ATDM-0604a

IP Control Protocol Specifications

DIGITAL SMARTMIXER

Version 1.2

audio-technica

Revision history

Date	Version	Description of change
2022/10/11	1.0	First version
2023/06/22	1.1	Added A-T LINK related commands. The added commands are listed below. 4.2.22Device ID Change Request 4.2.23Device ID Acquisition Request 4.2.24Device ID Format Setting Request 4.3.5Input Channel Setting Acquisition Request 2 4.6.6Network Setting Acquisition Request 2 4.7.1Connected Device Status Acquisition Request 4.7.2Connected Device Information Acquisition Request 4.7.3Connected Device's Device ID Setting Request 5.2.14Connected Device Status Notification 5.2.15Connected Device Information Notification Added A-T LINK-related parameters. 4.3.3Input Channel Setting Change Request 4.6.4Network Setting Change Request Added the new system to Device ID and Unit ID/Category ID protocol formats Described the new and old systems for the command formats below. 2.2.2 Set Command/Get Command 2.2.5 Answer 2.2.6 Information 2.2.7 Request Added a protocol format change command. 4.6.45 IP Command Compatibility Setting Change Request Added 5.2.13 IP Control Start Notification sequence diagram. Added Appendix. 6.7 Unit ID Added 6.8 Operator Fader Table. Other Unified wording (dB, channel, A-T LINK).
2023/09/14	1.2	Added Array Mic/ GPO Button Link.

Date	Version	Description of change
		4.5.1 Operator Page Common Setting Change Request 4.5.2 Operator Page Common Setting Acquisition Request Added Array Mic/ GPO Switch Button. 4.5.3 Operator Page Setting Change Request 4.5.4 Operator Page Setting Acquisition Request Added ES964 to Virtual Mic Mode. 4.6.15 Audio System Setting Change Request 4.6.16 Audio System Setting Acquisition Request Added GPO1/ 2 Value. 4.6.15 Audio System Setting Change Request 4.6.16 Audio System Setting Acquisition Request Added GPO control command. 4.5.12 GPO Control Request 4.5.13 GPO Status Acquisition Request Added GPO setting command. 4.6.46 GPO Setting Change Request 4.6.47 GPO Setting Acquisition Request Added GPO control notification command. 5.2.16 GPO Control Notification

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1 Preface

1.1 Purpose of This Document

These specifications are of commands to control ATDM-0604a developed by Audio-Technica Corporation.

1.2 Definition of Terms and Numeric Representation

The following table shows the definition of terms used in this document.

Term	Description
Host	A device that issues control commands. It refers to application software or a control device.
Device	A device to be controlled.
AT device	A device developed by Audio-Technica.
Message	A character string transmitted per communication in data format.
Command	A command statement to control a device. It is included in a message.
Parameter	Used in combination with a command. It is a setting value that specifies a command behavior.

The numeric representation is defined as follows:
Binary number: A value followed by b Example: 1010 0110b
Hexadecimal number: A value preceded by 0x Example: 0xA6

2 Basic Specifications

The IP control function uses TCP or UDP protocol to control the ATDM-0604a0604a.

2.1 Communication Interfaces

Table 2-1 Communication Interfaces

No	Item	Content	Remarks
1.	Communication system	Full duplex	
2.	Transmission speed	10Mbps / 100Mbps	
3.	Port number	Described later	
4.	Maximum data length[1]	287 bytes (including line feed codes)	32 bytes for Ethernet communication header, 255 bytes for control command
5.	Compatible connector	Device: RJ45 connector (compatible with 10/100 Mbps) Cable: CAT5e or higher	

[1] File Transfer Request and Export Request are exceptions.

2.2 Command Formats

Transmitted commands are categorized as follows:

Table 2-2 Communication Interfaces

No	Command	Content	Remarks
1.	Set Command	Action command	Change the ATDM-0604a settings.
2.	Get Command	Action command	Acquires the ATDM-0604a settings and status.
3.	ACK	Acknowledge	Responds to a Set Command.
4.	NAK	Negative acknowledge	Responds to a Set Command.
5.	Answer	Setting change notification	Responds to a Get Command.
6.	Information	Status change notification	Reports the ATDM-0604a settings and status change.
7.	Request	Action request	Requests an action to the host.

2.2.1 Command Common Rules

(1) Use a single-byte space (␣: 0x20) as a delimiter.
(2) In general, use ASCII codes for commands and UTF-8 for the parameters of specific commands (Example: Naming a device, etc.).
(3) Add CR (0x0d) to the end of each command.

Example:

s_permission␣S␣0000␣00␣NC␣”ATDM-0604a”,0,,,,,,,,␣↲

factory␣ACK␣↲

factory␣NAK␣01␣↲

g_permission␣0000␣00␣NC␣”ATDM-0604a”,0,,,,,,,,␣↲

MD open_channel_notice␣0000␣00␣NC␣0,0,0,0,0,0␣↲

- ␣: Indicates a space.
- ↲: Indicates CR (0x0d).
- : Indicates a command parameter.

2.2.2 Set Command/Get Command

The action command format is shown below.

Table 2-3 Action Command Format

No	Item	Content	size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	Handshake Select	Sequence execution system	1byte	H: Handshake method (Unused) O: One-Way method S: ACK/NAK format
3.	Device ID	Individual number	4byte	New system 0000: Specifies the own device 0001 to 0999: Device ID specification[2] A001 to B099: Topology specification[3] FFFF: Category number specification[4] Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.45.
4.	Unit ID /Category ID	Model number/category number	2byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID[5] Switching between the new and old systems is possible in 4.6.45.
5.	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 4.
7.	End Character	Message end character	1byte	CR (0x0D)

2.2.2.1 Omitting Parameters

When you send a command from the host, you can omit its parameters. When data are not specified with a comma (,) separation or space (␣), the parameter is omitted.

Example: To omit all the parameters

s_permission␣S␣0000␣00␣NC␣,,,,,,,,,,␣↲

Depending on the command, however,

- An error may occur when all the parameters are omitted.
- The parameters may just not be specified instead of being omitted.

The above cases and parameters which cannot be omitted are described in each command of Chapter 4.6 and subsequent chapters.

2.2.3 ACK

The acknowledge command format is shown below.

Table 2-4 Acknowledge Command Format

[2] Specified only when commands are sent to the connected A-T LINK device.
[3] Specified only when commands are sent to the connected A-T LINK device.
[4] Specified only when commands are sent to the connected A-T LINK device.
[5] Fixed to "FF" if Device ID is 256 or higher.

No	Item	Content	Size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	ACK	ACK	3byte	ACK (fixed)
3.	End Character	Message end character	1byte	CR (0x0D)

2.2.4 NAK

The negative acknowledge command format is shown below.

Table 2-5 Negative Acknowledge Command Format

No	Item	Content	Size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	NAK	NAK	3byte	NAK (fixed)
3.	Error Code	Error Codes	2byte	See Table 2-6.
4.	End Character	Message end character	1byte	CR (0x0D)

2.2.4.1 Error Codes

The error codes are shown below.

Table 2-6 Error Codes

Error Codes	Error description	Remarks
01	Syntax error	・ A required element is not found. ・ The character string of a required element is incorrect. ・ The character string length for each element is outside the specified range. ・ The message string length including line feed codes is greater than the upper limit.
02	Invalid command	・ The command is not found. (A non-existing command was specified. A command that cannot be used for the device was specified.)
03	Splitting transmission error	・ "CM" or "CE" was specified when "CS" of Continue Select had not been received.
04	Parameter error	・ An invalid channel was specified. ・ The parameter is outside the specified range. ・ Changing a parameter that cannot be changed was attempted. ・ (Changing Priority during Talk On)
05	Transmission timeout	Not used
06	Device ID duplicate	Unable to change due to device ID duplicate
90	Busy	Unable to process due to a busy state
92	Busy (Save mode)	Unable to process due to p-Fail (power shutdown) occurrence
93	Busy(Extension)	Unable to process due to the Extension mode (AT link)
99	Other errors	Errors other than the above

2.2.5 Answer

The command format of the setting status response is shown below.

Table 2-7 Setting Status Return Command Format

No	Item	Content	size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	Device ID	Individual number	4byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.45.
3.	Unit ID /Category ID	Model number/category number	2byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID[6] Switching between the new and old systems is possible in 4.6.45.
4.	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
5.	Parameter	Command parameter	0 bytes or more	See Chapters 4 and 5.
6.	End Character	Message end character	1byte	CR (0x0D)

[6] Fixed to "FF" if Device ID is 256 or higher.

2.2.6 Information

The command format of the status change notification is shown below.

Table 2-8 Status Change Notification Command Format

No	Item	Content	size	Remarks
1.	Modify	MD	2byte	MD (fixed)
2.	Command	Command string	0 bytes or more	See 3. Command List.
3.	Device ID	Individual number	4byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.45.
4.	Unit ID /Category ID	Model number/category number	2byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID[7] Switching between the new and old systems is possible in 4.6.45.
5.	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 5.
7.	End Character	Message end character	1byte	CR (0x0D)

[7] Fixed to "FF" if Device ID is 256 or higher.

2.2.7 Request

The command format of the action request is shown below.

Table 2-9 Action Request Command Format

No	Item	Content	size	Remarks
1.	Request	RQ	2byte	RQ (fixed)
2.	Command	Command string	0 bytes or more	See 3. Command List.
3.	Device ID	Individual number	4byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.45.
4.	Unit ID /Category ID	Model number/category number	2byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID[8] Switching between the new and old systems is possible in 4.6.45.
5.	Continue Select	Divided message system	2byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 4.
7.	End Character	Message end character	1byte	CR (0x0D)

[8] Fixed to "FF" if Device ID is 256 or higher.

3 Command List

Table 3-1 Command List

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
1	Individual command	SICL	Input CH Level Change Request		○			-
2		GICL	Input CH Level Acquisition Request			○		-
3		SICM	Input CH Mute State Change Request		○			-
4		GICM	Input CH Mute State Acquisition Request			○		-
5		SOCL	Output CH Level Change Request		○			-
6		GOCL	Output CH Level Acquisition Request			○		-
7		SOCM	Output CH Mute State Change Request		○			-
8		GOCM	Output CH Mute State Acquisition Request			○		-
9		SBUS	Bus Assign Change Request		○			-
10		GBUS	Bus Assign Acquisition Request			○		-
11		SOPL	Operator Fader Level Change Request		○			-
12		GOPL	Operator Fader Level Acquisition Request			○		-
13		SOPM	Operator Fader Mute State Change Request		○			-
14		GOPM	Operator Fader Mute State Acquisition Request			○		-
15		SSMM	SmartMix Mode Change Request		○			-
16		GSMM	SmartMix Mode Acquisition Request			○		-
17		NOOM	No. of Open Mic Change Request		○			-
18		GNOOM	No. of Open Mic Acquisition Request			○		-
19		CALLP	Preset Call Request		○			-
20		REGIP	Preset Save Request		○			-
21		CALLPP	Partial Preset Call Request		○			-
22		SDID	Device ID Change Request		○			-
23		GDID	Device ID Acquisition Request			○		-
24		SFID	Device ID Format Setting Request		○			-
25	Input	s_input_gain_level	Input Gain&Level Setting Change Request		○			Yes
26		g_input_gain_level	Input Gain&Level Setting Acquisition Request			○		Yes

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
27		input_gain_level_meter_notice	Input Gain/Level Setting Notice				○	Yes
28		s_input_channel_settings	Input Channel Setting Change Request		○			Yes
29		g_input_channel_settings	Input Channel Setting Acquisition Request			○		Yes
30		s_input_eq	Input EQ Setting Change Request		○			Yes
31		g_input_eq	Input EQ Setting Acquisition Request			○		Yes
32		s_fbs_general	FBS Common Setting Change Request		○			Yes
33		g_fbs_general	FBS Common Setting Acquisition Request			○		Yes
34		s_fbs	FBS Setting Change Request		○			Yes
35		g_fbs	FBS Setting Acquisition Request			○		Yes
36		s_input_channel_comp_settings	Input Channel Dynamics Setting Change Request		○			-
37		g_input_channel_comp_settings	Input Channel Dynamics Setting Acquisition Request			○		-
38		s_aec_general	AEC Setting Change Request		○			Yes
39		g_aec_general	AEC Setting Acquisition Request			○		Yes
40		s_smart_mix	Smart Mix Setting Change Request		○			No
41		g_smart_mix	Smart Mix Setting Acquisition Request			○		No
42		s_smart_mix_general	Smart Mix Common Setting Change Request		○			Yes
43		g_smart_mix_general	Smart Mix Common Setting Acquisition Request			○		Yes
44		s_ducker_general	Ducker Setting Change Request		○			No
45		g_ducker_general	Ducker Setting Acquisition Request			○		No
46		open_channel_notice	Open Channel State Notice				○	No
47		cancut_notice	Can Cut Notice				○	Yes
48		fbs_notice	FBS Notice				○	No
49	Output	s_output_level	Output Level Setting Change Request		○			Yes
50		g_output_level	Output Level Setting Acquisition Request			○		Yes
51		output_level_notice	Output Level Setting Notice				○	Yes
52		s_output_mute	Output Channel Mute Setting Change Request		○			Yes
53		g_output_mute	Output Channel Mute Setting Acquisition Request			○		Yes

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
54		output_mute_notice	Output Mute Setting Notice				○	Yes
55		s_output_channel_settings	Output Channel Setting Change Request		○			Yes
56		g_output_channel_settings	Output Channel Setting Acquisition Request			○		Yes
57		s_output_eq	Output EQ Setting Change Request		○			Yes
58		g_output_eq	Output EQ Setting Acquisition Request			○		Yes
59		s_output_12eq_func	12BandEQFunction Request		○			-
60		s_fbs	FBS Setting Change Request		○			Yes
61		g_fbs	FBS Setting Acquisition Request			○		Yes
62		s_dynamics_delay	Dynamics&Delay Setting Change Request		○			No
63		g_dynamics_delay	Dynamics&Delay Setting Acquisition Request			○		No
64		s_usb_out	USB Output Setting Change Request		○			No
65		g_usb_out	USB Output Setting Acquisition Request			○		No
66		s_oscillator	Oscillator Control Setting Change Request		○			-
67		g_oscillator	Oscillator Control Setting Acquisition Request			○		-
68		fbs_notice	FBS Notice				○	No
69	Operator page	s_operator_general	Operator Page Common Setting Change Request		○			No
70		g_operator_general	Operator Page Common Setting Acquisition Request			○		No
71		s_operator_pagesettings	Operator Page Setting Change Request		○			-
72		g_operator_pagesettings	Operator Page Setting Acquisition Request			○		-
73		s_operator_channel	Operator Page Channel Setting Change Request		○			-
74		g_operator_channel	Operator Page Channel Setting Acquisition Request			○		-
75		operator_channel_notice	Operator Page Channel Setting Notification				○	Yes
76		s_operator_assign	Operator Page Assign Channel Setting Change Request		○			-
77		g_operator_assign	Operator Page Assign Channel Setting Acquisition Request			○		-
78		s_operator_mute	Operator Page Channel Mute Request		○			Yes
79		s_arraymic_mute	Array Mic Mute Control Request		○			Yes

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
80		g_arraymic_mute	Array Mic Mute Status Acquisition Request			○		Yes
81		arraymic_mute_notice	Array Mic Mute Status Notice				○	Yes
82		rec_status_notice	Recording Status Notification				○	-
83	System	factory_settings	Factory Default Setting Request		○			-
84		g_deviceid	Device ID Acquisition Request			○		-
85		s_permission	Permission Setting Change Request		○			Yes
86		g_permission	Permission Setting Acquisition Request			○		Yes
87		s_network	Network Setting Change Request		○			Yes
88		g_network	Network Setting Acquisition Request			○		Yes
89		g_firmware_version	Firmware Version Acquisition Request			○		Yes
90		s_header_color	Header Color Setting Change Request		○			Yes
91		g_header_color	Header Color Setting Acquisition Request			○		Yes
92		s_link	AT-LINK Mode Setting Change Request		○			Yes
93		g_link	AT-LINK Mode Setting Acquisition Request			○		Yes
94		g_link_extstatus	AT-LINK Status Acquisition Request			○		-
95		s_connected_limit	Connected Device Limit Setting Change Request		○			Yes
96		g_connected_limit	Connected Device Limit Setting Acquisition Request			○		Yes
97		s_audio_system	Audio System Setting Change Request		○			No
98		g_audio_system	Audio System Setting Acquisition Request			○		No
99		s_front_panel	Front Panel Setting Change Request		○			No
100		g_front_panel	Front Panel Setting Acquisition Request			○		No
101		s_front_panel_limit	Front Panel Function Setting Change Request		○			-
102		g_front_panel_limit	Front Panel Function Setting Acquisition Request			○		-
103		s_log	Log Setting Change Request		○			Yes
104		g_log	Log Setting Acquisition Request			○		Yes
105		call_preset	Preset Call Request		○			Yes
106		save_preset	Preset Save Request		○			Yes
107		s_name_bank	Preset Bank Name Change Request		○			Yes

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
108		g_name_bank	Preset Bank Name Acquisition Request			○		Yes
109		s_bootup_preset	Boot Up Preset Setting Change Request		○			Yes
110		g_bootup_preset	Boot Up Preset Setting Acquisition Request			○		Yes
111		s_preset_general	Preset Common Setting Change Request		○			-
112		g_preset_general	Preset Common Setting Acquisition Request			○		-
113		g_preset_number	Preset Number Acquisition Request			○		-
114		recall_preset_notice	Preset Call Notification				○	-
115		call_partial_preset	Partial Preset Call Request		○			-
116		g_partial_preset_number	Partial Preset Number Acquisition Request			○		-
117		recall_partial_preset_notice	Partial Preset Call Notification				○	-
118		file_transfer	File Transfer Request		○			Yes
119		file_transfer_cancel	File Transfer Cancel Request		○			Yes
120		export	Export Request			○		Yes
121		import	Import Request		○			Yes
122		s_level_meter_interval	Level Meter Notification Interval Setting Change Request		○			Yes
123		g_level_meter_interval	Level Meter Notification Interval Setting Acquisition Request			○		-
124		g_level_meter	Level Meter Acquisition Request			○		No
125		level_meter_notice	Level Meter Notification				○	No
126		identify	Identify Request		○			Yes
127		s_date	Date Setting Request		○			Yes
128		reboot	Reboot Request		○			-
129		ip_control_start_notice	IP Control Start Notification				○	-
130		ZIDIP	IP Command Compatibility Setting Change Request		○			-
131		s_gpo_setting	GPO Setting Change Request		○			-
132		g_gpo_setting	GPO Setting Acquisition Request			○		-
133		s_gpo_action	GPO Control Request		○			-
134		g_gpo_action	GPO Status Acquisition Request			○		-
135		gpo_action_notice	GPO Control Notification				○	-

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604
					set	get	info	
136	Connected device	g_ peripheral_status	Connected Device Status Acquisition Request			○		-
137		g_peripheral_info	Connected Device Information Acquisition Request			○		-
138		s_peripheral_deviceid	Connected Device's Device ID Setting Request		○			-
139		peripheral_status_notice	Connected Device Status Notification				○	-
140		peripheral_info_notice	Connected Device Information Notification				○	-

4 TCP Communications

To control the ATDM-0604a0604a from the host, TCP protocol is used for communications.

4.1 Communication Control

The following figure shows the communication control flow of IP control.

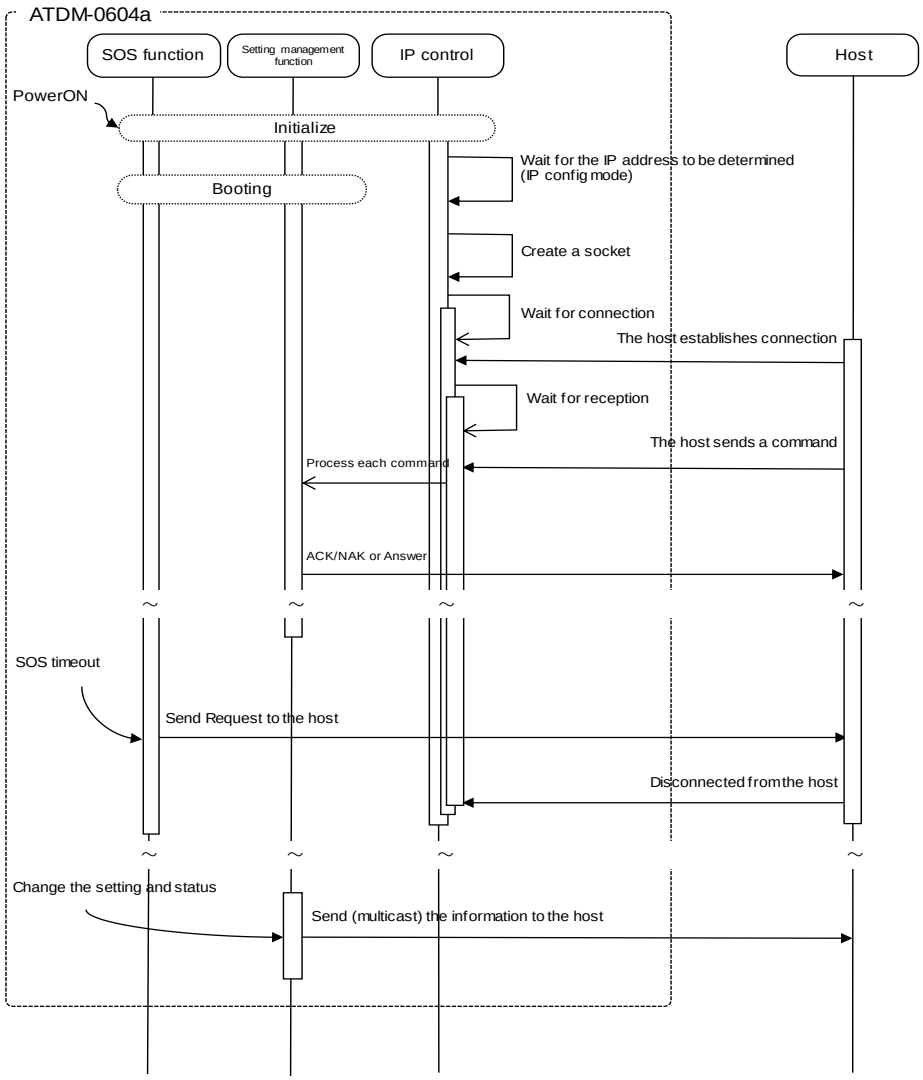

Figure 4-1 Communication Control Flow

- After the system is booted, the status changes from initializing to connection waiting.
- When the host establishes connection with the system, the status changes from connection waiting to reception waiting.
- Received commands are processed by internal processing tasks, and the results (ACK/NAK) are sent.
  Since commands are asynchronously processed, reception is possible even during processing (The next command can be sent without waiting for ACK/NAK and Answer). However, some commands return NAK (90: BUSY).
- When the system is disconnected from the host, the status changes from reception waiting to connection waiting.

4.1.1 Communication Start

The host establishes connections with the ATDM-0604a.

Simultaneous connection is limited to 5 devices. If the number exceeds the upper limit, the extra connection fails.

Table 4-1 Communication Control Parameters

No	Name	Default Setting	Remarks
1.	IPAddress	Auto	
2.	Port No	17300	

4.1.2 Control Sequence

4.1.2.1 Set Command

Responding to a Set Command, the ATDM-0604a sends ACK/NAK to the sender.

<Example> The sequence of factory default setting is shown below.

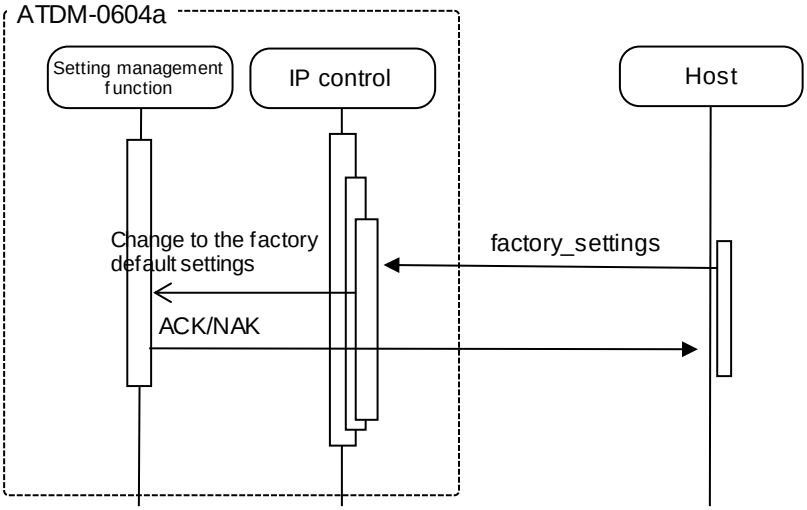

Figure 4-2 Set Command Processing Sequence

If an error occurs in a Set Command, such as a syntax error or incorrect parameter, an NAK command is sent to the sender.

4.1.2.2 Get Command

Responding to a Get Command, the ATDM-0604a0604a sends Answer to the sender.

<Example> The sequence of Output Level Setting Acquisition Request is shown below.

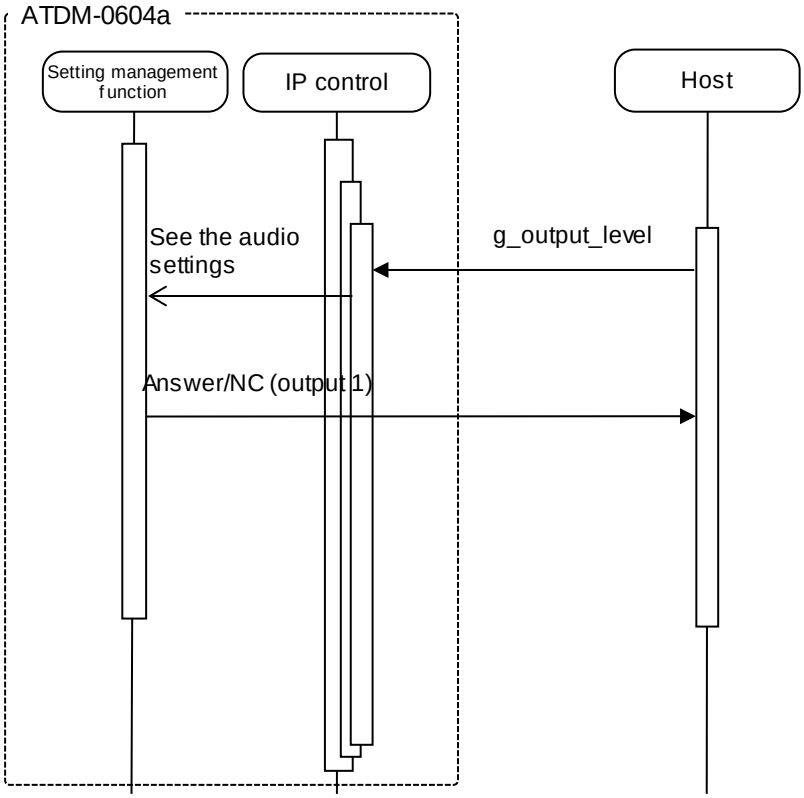

Figure 4-3 Get Command Processing Sequence

If an error occurs in a Get Command, such as a syntax error or incorrect parameter, an NAK command is sent to the sender.

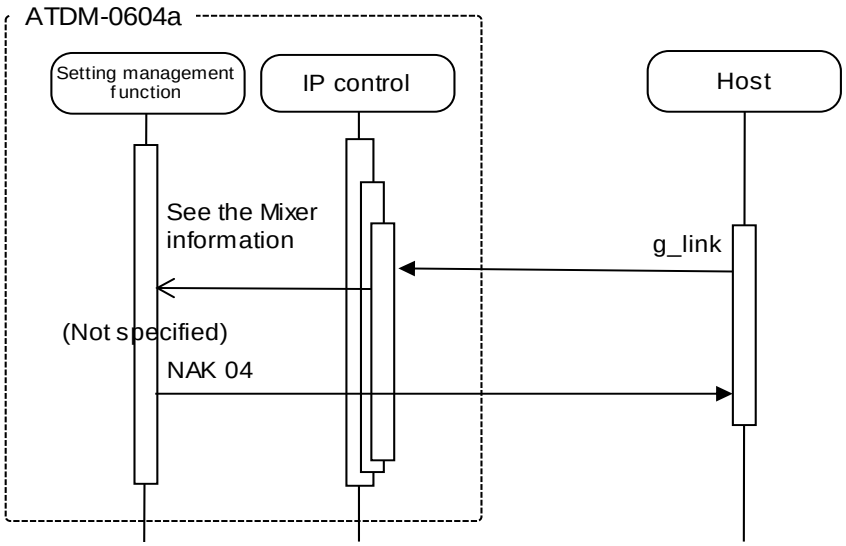

Figure 4-4 Get Command Processing Sequence (NAK)

4.1.2.3 **Request**

The ATDM-0604a0604a sends a Request command at any timing. (Not supported)

<Example> The sequence of status check notification is shown below.
The ATDM-0604a0604a sends the status check notification command to all the connected sockets. A host receiving the status check notification command needs to send a specific command to the ATDM-0604a.

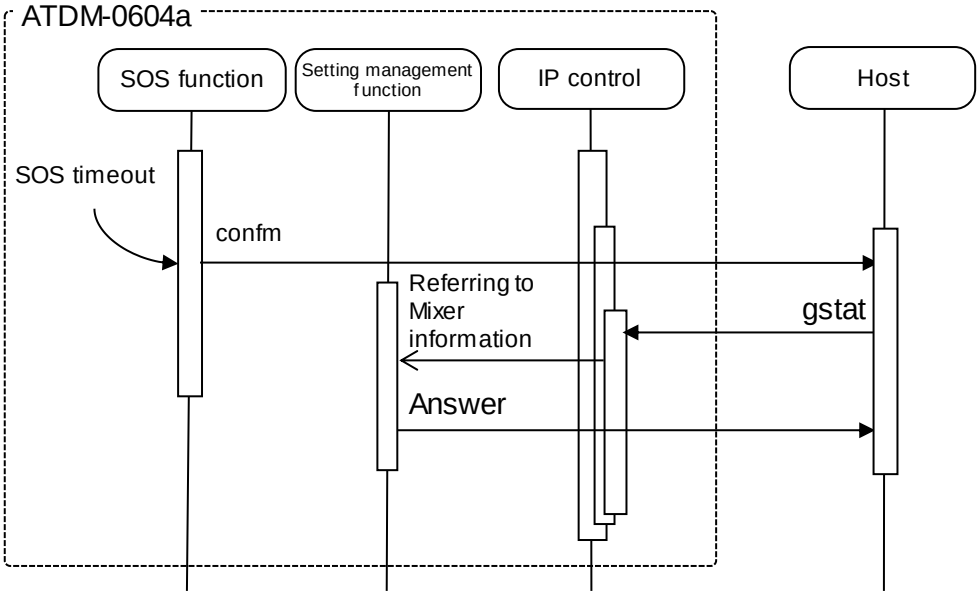

Figure 4-5 Request Command Processing Sequence

4.1.3 Communication Errors

4.1.3.1 Transmission Errors

The following figure shows the sequence when an ACK/NAK transmission error occurs.

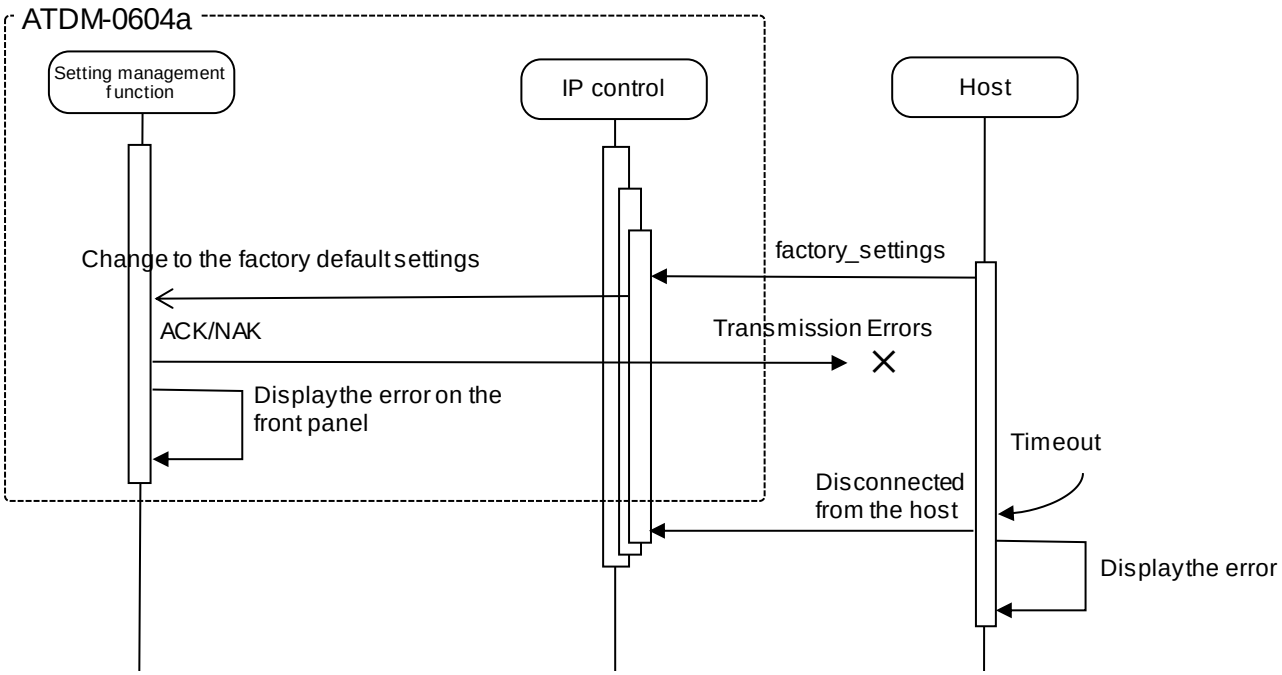

Figure 4-6 Sequence for Transmission Errors

4.1.3.2 Receive Errors

The following figure shows the sequence when a command receive error occurs.

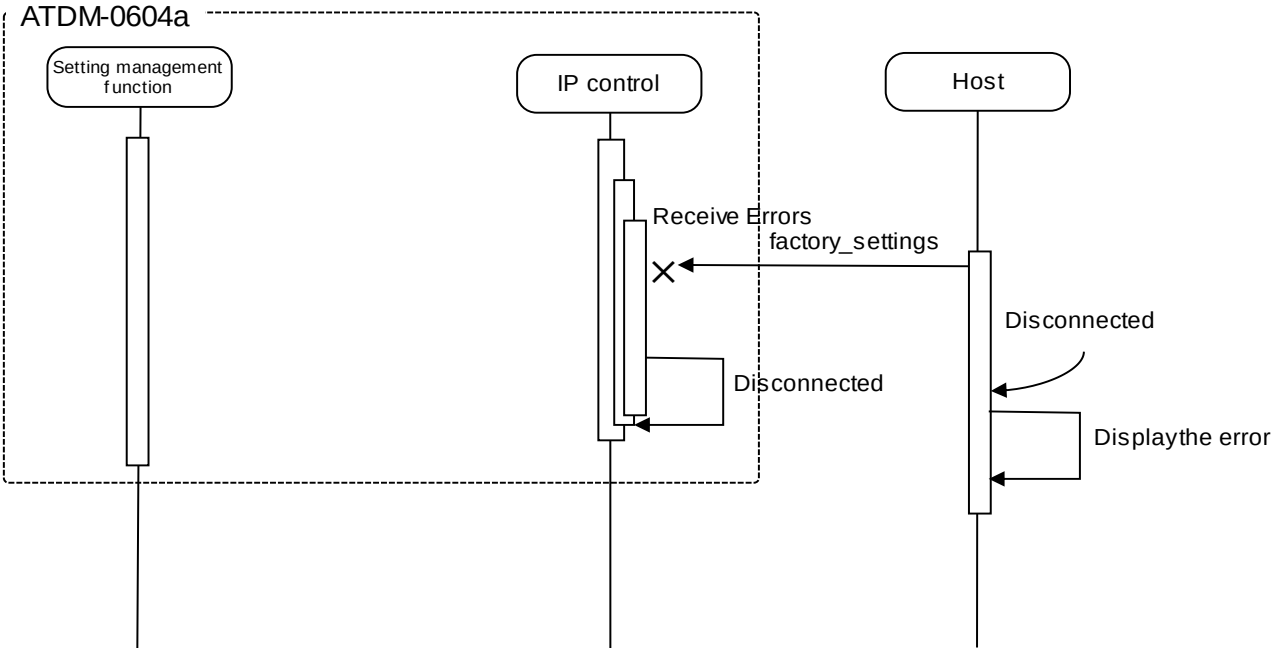

Figure 4-7 Sequence for Receive Errors

4.1.3.3 Message Split Receive Timeouts

The following figure shows the sequence when a message split receive timeout occurs.

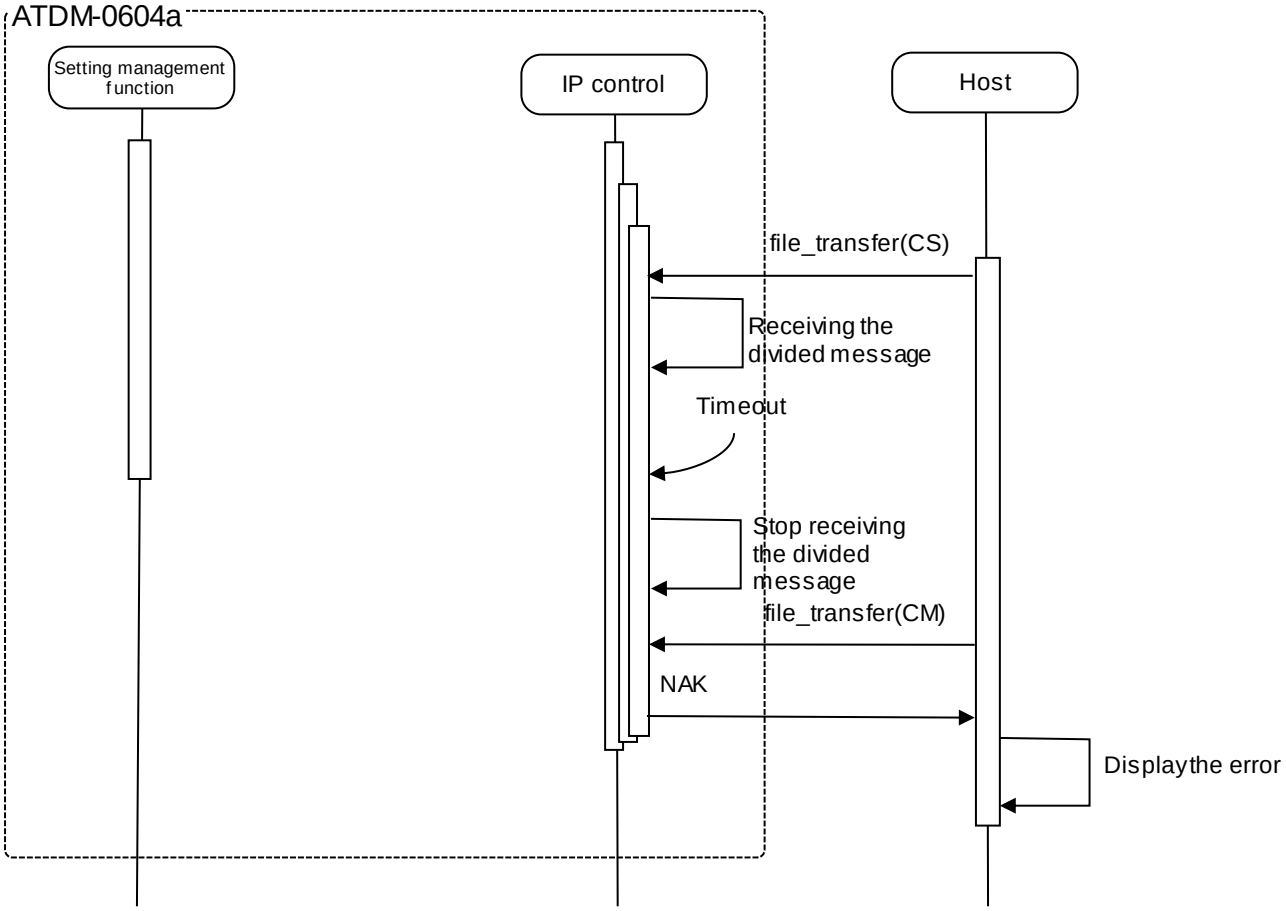

Figure 4-8 Sequence for Message Split Receive Timeouts

4.1.4 Communication End

The host can be disconnected at any timing when communications end.

When it is disconnected, the ATDM-0604a0604a clears the corresponding connection state (Example: File transferring) and enters the connection wait state again. This occurs even if a cable is disconnected.

To communicate again, the host needs to establish connection.

4.2 Individual Command Details

4.2.1 Input CH Level Change Request

After receiving the Input CH Level Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Level Change Request from the host is shown below.

SICL␣S␣0000␣00␣NC␣1,511␣↲

Table 4-2 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SICL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Level	Level	string	0 to 511	-∞, -120dB to +10dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.2 Input CH Level Acquisition Request

After receiving the Input CH Level Acquisition Request, the ATDM-0604a sends the input CH level to the host via Answer.

(1) Get Command

The command format of the Input CH Level Acquisition Request from the host is shown below.

GICL␣O␣0000␣00␣NC␣1␣↲

Table 4-3 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 5	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GICL␣0000␣00␣NC␣1,511␣↲

Table 4-4 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICL		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Level	Level	string	0 to 511	-∞, -120dB to +10dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.2.3 Input CH Mute State Change Request

After receiving the Input CH Mute State Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Mute State Change Request from the host is shown below.

SICM␣S␣0000␣00␣NC␣1,1␣↲

Table 4-5 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SICM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.4 Input CH Mute State Acquisition Request

After receiving the Input CH Mute State Acquisition Request, the ATDM-0604a sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the Input CH Mute State Acquisition Request from the host is shown below.

GICM␣O␣0000␣00␣NC␣1␣↲

Table 4-6 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GICM␣0000␣00␣NC␣1,1␣↲

Table 4-7 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICM		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.2.5 Output CH Level Change Request

After receiving the Output CH Level Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output CH Level Change Request from the host is shown below.

SOCL␣S␣0000␣00␣NC␣8,511␣↲

Table 4-8 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	SOCL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Level	Level	string	0 to 511	-∞, -120dB to +10dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.6 Output CH Level Acquisition Request

After receiving the Output CH Level Acquisition Request, the ATDM-0604a sends the output CH level to the host via Answer.

(1) Get Command

The command format of the Output CH Level Acquisition Request from the host is shown below.

GOCL␣O␣0000␣00␣NC␣8␣↲

Table 4-9 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GOCL␣0000␣00␣NC␣8,511␣↲

Table 4-10 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCL		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Level	Level	string	0 to 511	-∞, -120dB to +10dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.2.7 Output CH Mute State Change Request

After receiving the Output CH Mute State Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Mute State Change Request from the host is shown below.

SOCM␣S␣0000␣00␣NC␣10,1␣↲

Table 4-11 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOCM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.8 Output CH Mute State Acquisition Request

After receiving the Output CH Mute State Acquisition Request, the ATDM-0604a sends the output CH Mute state to the host via Answer.

(1) Get Command

The command format of the Output CH Mute State Acquisition Request from the host is shown below.

GOCM␣O␣0000␣00␣NC␣10␣↲

Table 4-12 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GOCM␣0000␣00␣NC␣10,1␣↲

Table 4-13 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCM		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.2.9 Bus Assign Change Request

After receiving the Bus Assign Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Bus Assign Change Request from the host is shown below.

SBUS␣S␣0000␣00␣NC␣1,1,2,411␣↲

Table 4-14 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SBUS		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Bus Channel	Bus channel	string	1 to 3	Bus channel	BUS 1, BUS 2, BUS ST
	Bus Assign	Bus assign	string	0	Off	
				1	Smart Mix Pre Assign	
				2	Smart Mix Post Assign	
	Level	Level	string	0 to 411	-∞, -120dB to 0dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.10 Bus Assign Acquisition Request

After receiving the Bus Assign Acquisition Request, the ATDM-0604a sends the bus assign settings to the host via Answer.

(1) Get Command

The command format of the Bus Assign Acquisition Request from the host is shown below.

GBUS␣O␣0000␣00␣NC␣1,3␣↲

Table 4-15 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GBUS		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	Bus Channel	Bus channel	string	1 to 3	Bus channel	BUS 1, BUS 2, BUS ST
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GBUS␣0000␣00␣NC␣1,3,2,411␣↲

Table 4-16 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	GBUS		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST1	
	Bus Channel	Bus channel	string	1 to 3	Bus channel	BUS 1, BUS 2, BUS ST
	Bus Assign	Bus assign	string	0	Off	
				1	Smart Mix Pre Assign	
				2	Smart Mix Post Assign	
	Level	Level	string	0 to 411	-∞, -120dB to 0dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.2.11 Operator Fader Level Change Request

After receiving the Operator Fader Level Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Fader Level Change Request from the host is shown below.

SOPL␣S␣0000␣00␣NC␣8,100␣↲

Table 4-17 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOPL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Level	Level	string	0 to 100	Level	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.12 Operator Fader Level Acquisition Request

After receiving the Operator Fader Level Acquisition Request, the ATDM-0604a sends the fader level to the host via Answer.

(1) Get Command

The command format of the Operator Fader Level Acquisition Request from the host is shown below.

GOPL␣O␣0000␣00␣NC␣8␣↲

Table 4-18 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GOPL␣0000␣00␣NC␣8,100␣↲

Table 4-19 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPL		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Level	Level	string	0 to 100	Level	
6	End Character	Message end character	binary	0x0d	CR	

4.2.13 Operator Fader Mute State Change Request

After receiving the Operator Fader Mute State Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Fader Mute State Change Request from the host is shown below.

SOPM␣S␣0000␣00␣NC␣8,1␣↲

Table 4-20 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOPM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.14 Operator Fader Mute State Acquisition Request

After receiving the Operator Fader Mute State Acquisition Request, the ATDM-0604a sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the Operator Fader Mute State Acquisition Request from the host is shown below.

GOPM␣O␣0000␣00␣NC␣8␣↲

Table 4-21 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GOPM␣0000␣00␣NC␣8,1␣↲

Table 4-22 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPM		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Mute	Mute	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.2.15 SmartMix Mode Change Request

After receiving the SmartMix Mode Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the SmartMix Mode Change Request from the host is shown below.

SSMM␣S␣0000␣00␣NC␣1,2␣↲

Table 4-23 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SSMM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
	Mode	SmartMix Mode	string	0	Off	
				1	Gate	
				2	Gain Share	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.16 SmartMix Mode Acquisition Request

After receiving the SmartMix Mode Acquisition Request, the ATDM-0604a sends the SmartMix Mode to the host via Answer.

(1) Get Command

The command format of the SmartMix Mode Acquisition Request from the host is shown below.

GSMM␣O␣0000␣00␣NC␣1␣↲

Table 4-24 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GSMM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
7	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
8	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GSMM␣0000␣00␣NC␣1,2␣↲

Table 4-25 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GSMM		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
	Mode	SmartMix Mode	string	0	Off	
				1	Gate	
				2	Gain Share	
6	End Character	Message end character	binary	0x0d	CR	

4.2.17 No. of Open Mic Change Request

After receiving the No. of Open Mic Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the No. of Open Mic Change Request from the host is shown below.

NOOM␣S␣0000␣00␣NC␣1,10␣↲

Table 4-26 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	NOOM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
	NOM	No. of open mic	string	1 to 10	No. of open mic	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.18 No. of Open Mic Acquisition Request

After receiving the No. of Open Mic Acquisition Request, the ATDM-0604a sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the No. of Open Mic Acquisition Request from the host is shown below.

GNOOM␣O␣0000␣00␣NC␣1␣↲

Table 4-27 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GSMM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
7	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
8	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

GNOOM␣0000␣00␣NC␣1,10␣↲

Table 4-28 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GNOOM		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Group	Group number	string	1	SmartMix Group 1	Fixed to 1
	NOM	No. of open mic	string	1 to 10	No. of open mic	
6	End Character	Message end character	binary	0x0d	CR	

4.2.19 Preset Call Request

After receiving the Preset Call Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Call Request from the host is shown below.

CALLP␣S␣0000␣00␣NC␣6␣↲

Table 4-29 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	CALLP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.20 Preset Save Request

After receiving the Preset Save Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Save Request from the host is shown below.

REGIP␣S␣0000␣00␣NC␣1␣↲

Table 4-30 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	REGIP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.21 Partial Preset Call Request

After receiving the Partial Preset Call Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Partial Preset Call Request from the host is shown below.

CALLPP␣S␣0000␣00␣NC␣40␣↲

Table 4-31 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	CALLPP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.22 Device ID Change Request

After receiving the Device ID Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Device ID Change Request from the host is shown below.

SDID␣S␣0000␣00␣NC␣03E7␣↲

Table 4-32 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SDID		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Device ID	Device ID	string	0000 to 03E7 or 0 to 999	Device ID	Depends on SFID command setting
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.23 Device ID Acquisition Request

After receiving the Device ID Acquisition Request, the ATDM-0604a sends the header color settings to the host via Answer.

(1) Get Command

The command format of the Device ID Acquisition Request from the host is shown below

GDID␣O␣0000␣00␣NC␣↲

Table 4-33 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GDID		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

GDID␣0000␣00␣NC␣03E7␣↲

Table 4-34 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_deviceid		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Device ID	Device ID	string	0000 to 03E7 or 0 to 999	Device ID	Depends on SFID command setting
6	End Character	Message end character	binary	0x0d	CR	

4.2.24 Device ID Format Setting Request[9]

After receiving the Device ID Format Setting Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Device ID Format Setting Request from the host is shown below.

SFID␣S␣0000␣00␣NC␣1␣↲

Table 4-35 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SFID		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Format	Device ID format	string	0	Hexadecimal number	
				1	Decimal number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

[9] Before sending 4.2.22 Device ID Change Request or 4.2.23 Device ID Acquisition Request command, format must be specified.

4.3 Input Command Details

4.3.1 Input Gain&Level Setting Change Request

After receiving the Input Gain&Level Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Gain&Level Setting Change Request from the host is shown below.

s_input_gain_level␣S␣0000␣00␣NC␣10,40,40,511,1,511,1,40,1,511␣↲

Table 4-36 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_gain_level		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	gain					Sub Input is outside of the target
	Mic	Mic gain	string	0 to 40	+20dB to +60dB	See 6.5 Input Gain Table.
	Line	Line gain	string	0 to 40	-20dBu to -60dBu	See 6.5 Input Gain Table.
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Mute	Mute	string	0	Disable	
				1	Enable	
	gain					Sub Input is outside of the target
	Virtual Mic	Virtual Mic gain	string	0 to 40	-20dBu to -60dBu	See 6.5 Input Gain Table.

No	item			Description	type	value	value description	remarks
	Min Volume							
			Enable	On/Off	string	0	Off	
						1	On	
			Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
7	End Character			Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.2 Input Gain&Level Setting Acquisition Request

After receiving the Input Gain&Level Setting Acquisition Request, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Gain&Level Setting Acquisition Request from the host is shown below.

g_input_gain_level␣O␣0000␣00␣NC␣10␣↲

Table 4-37 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_gain_level		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_input_gain_level␣0000␣00␣NC␣10,40,40,511,1,511,1,40,1,511␣↲

Table 4-38 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_gain_level		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	gain					Sub Input is outside of the target
	Mic	Mic gain	string	0 to 40	+20dB to +60dB	See 6.5 Input Gain Table.
	Line	Line gain	string	0 to 40	-20dBu to -60dBu	See 6.5 Input Gain Table.
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Mute	Mute	string	0	Disable	
				1	Enable	
	gain					Sub Input is outside of the target
	Virtual Mic	Virtual Mic gain	string	0 to 40	-20dBu to -60dBu	See 6.5 Input Gain Table.
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.3.3 Input Channel Setting Change Request

After receiving the Input Channel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Channel Setting Change Request from the host is shown below.

s_input_channel_settings␣S␣0000␣00␣NC␣

10,6,1,1,1,1,1,0, 0,411,1,411,2,411,"ST",7,330,45,2,,8,1␣↲

Table 4-39 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_channel_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	source	Input source	string	0	Mic	
				1	Line +4dBu	
				2	Line 0dBV	
				3	Line -10dBV	
				4	Line -20dBV	
				5	USB	
				6	Virtual Mic	
				8	A-T LINK	
				10	A-T LINK MIX (port A)	
				11	A-T LINK MIX (port B)	
	Phantom power	Phantom power	string	0	Off	
				1	On	

No	item		Description	type	value	value description	remarks
		Phase	Phase	string	0	Normal	
					1	Invert	
		Low cut	Low cut	string	0	Off	
					1	On	
		AEC	AEC	string	0	Off	
					1	On	
		Smart Mix	Smart Mix	string	0	Off	
					1	On	
		Link	Link	string	0	Unlink	
					1	Link	
		Output Bus					
		Bus1	Assign	string	0	Off	
					1	Pre	
					2	Post(Smart Mix Bus)	
		Bus2	Assign	string	0	Off	
					1	Pre	
					2	Post(Smart Mix Bus)	
		Reserved	Reserve	string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
				string	0	Fixed to "0"	Not used
		Bus ST	Assign	string	0	Off	
					1	Pre	
					2	Post(Smart Mix Bus)	
		Name	Channel name	char	"	Beginning of character string	
				string	ASCII code	Name	To contain double quotation marks ("),

No	item	Description	type	value	value description	remarks
						specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees - 330 degrees	Set by a unit of 30 degrees
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	
				1	Normal	
				2	Omni	
	Reserved	Reserved	string			Not used
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
	Mono	Mono	string	0	Off	Input ST only
				1	On	
	A-T LINK					When source is 8 Required
	Unit Type	Unit type of A-T LINK device	string	1 to FF		
	A-T LINK ID	ID of A-T LINK device	string	1 to 255		

No	item	Description	type	value	value description	remarks
	Channel	Channel of A-T LINK device	string	1 to 255		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.4 Input Channel Setting Acquisition Request

After receiving the Input Channel Setting Acquisition Request, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Setting Acquisition Request from the host is shown below.

g_input_channel_settings␣O␣0000␣00␣NC␣10␣↲

Table 4-40 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_settings		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_input_channel_settings␣0000␣00␣NC␣

10,6,1,1,1,1,1,0, 0,411,1,411,2,411,”ST”,7,330,45,2,,8,1␣↲

Table 4-41 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_settings		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	source	Input source	string	0	Mic	
				1	Line +4dBu	
				2	Line 0dBV	
				3	Line -10dBV	
				4	Line -20dBV	
				5	USB	
				6	Virtual Mic	
				8	A-T LINK	
				10	A-T LINK MIX (port A)	
				11	A-T LINK MIX (port B)	
	Phantom power	Phantom power	string	0	Off	
				1	On	
	Phase	Phase	string	0	Normal	
				1	Invert	

No	Item	Description	type	value	value description	remarks
	Low cut	Low cut	string	0	Off	
				1	On	
	AEC	AEC	string	0	Off	
				1	On	
	Smart Mix	Smart Mix	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
	Output Bus					
	Bus1	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Bus2	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Reserved	Reserve	string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
	Bus ST	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	

No	Item	Description	type	value	value description	remarks
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees - 330 degrees	Set by a unit of 30 degrees
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	
				1	Normal	
				2	Omni	
	Reserved	Reserved	string			Not used
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
	Mono	Mono	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.3.5 Input Channel Setting Acquisition Request 2

After receiving the Input Channel Setting Acquisition Request 2, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Setting Acquisition Request 2 from the host is shown below.

g_input_channel_settings2␣O␣0000␣00␣NC␣10␣↲

Table 4-42 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_settings2		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_input_channel_settings2␣0000␣00␣NC␣

10,6,1,1,1,1,1,0, 0,411,1,411,2,411,”ST”,7,330,45,2,,8,1,,,␣↲

Table 4-43 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_settings2		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	source	Input source	string	0	Mic	
				1	Line +4dBu	
				2	Line 0dBV	
				3	Line -10dBV	
				4	Line -20dBV	
				5	USB	
				6	Virtual Mic	
				8	A-T LINK	
				10	A-T LINK MIX (port A)	
				11	A-T LINK MIX (port B)	
	Phantom power	Phantom power	string	0	Off	
				1	On	
	Phase	Phase	string	0	Normal	
				1	Invert	
	Low cut	Low cut	string	0	Off	

No	Item	Description	type	value	value description	remarks
				1	On	
	AEC	AEC	string	0	Off	
				1	On	
	Smart Mix	Smart Mix	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
	Output Bus					
	Bus1	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Bus2	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Reserved	Reserve	string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
			string	0	Fixed to "0"	Not used
	Bus ST	Assign	string	0	Off	
				1	Pre	
				2	Post(Smart Mix Bus)	
	Name	Channel name	char	''	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ('), specify them in succession like ''.
			char	''	End of character string	
	Color	Channel color	string	0	Green	

No	Item	Description	type	value	value description	remarks
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees - 330 degrees	Set by a unit of 30 degrees
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	
				1	Normal	
				2	Omni	
	Reserved	Reserved	string			Not used
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
	Mono	Mono	string	0	Off	
				1	On	
	A-T LINK					When source is 8 Required
	Unit Type	Unit type of A-T LINK device	string	1 to FF		
	A-T LINK ID	ID of A-T LINK device	string	1 to 255		
	Channel	Channel of A-T LINK device	string	1 to 255		
6	End Character	Message end character	binary	0x0d	CR	

4.3.6 Input EQ Setting Change Request

The command format is as follows.

s_input_eq␣S␣0000␣00␣NC␣

0,1,1,2,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31,1␣↲

Table 4-44 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_eq		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	EQ On/Off	On/Off for whole EQ CH	string	0	Off	
				1	On	
	Band1					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	
	Gain	Gain	string	0 to 72	-18dB to +18dB	
	Q Value	Q value	string	0 to 31	0.3 to 60	

No	item	Description	type	value	value description	remarks
	Band3					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	
	Gain	Gain	string	0 to 72	-18dB to +18dB	
	Q Value	Q value	string	0 to 31	0.3 to 60	
	Band4					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	
	Gain	Gain	string	0 to 72	-18dB to +18dB	
	Q Value	Q value	string	0 to 31	0.3 to 60	
	EQ Mode	EQ mode	string	0	Easy Mode	
				1	Expert Mode	
7	End Character	Message end character	binary	0x0d	CR	

(1) ACK/NAK

See Factory Default Setting Request (2).

4.3.7 Input EQ Setting Acquisition Request

After receiving the Input EQ Setting Acquisition Request, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input EQ Setting Acquisition Request from the host is shown below.

g_input_eq␣O␣0000␣00␣NC␣0␣↲

Table 4-45 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_eq		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_input_eq␣0000␣00␣NC␣0,1,1,2,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31,1␣↲

Table 4-46 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_eq		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	EQ On/Off	On/Off for whole EQ CH	string	0	Off	
				1	On	
	Band1					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.

No	item	Description	type	value	value description	remarks
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	
	Gain	Gain	string	0 to 72	-18dB to +18dB	
	Q Value	Q value	string	0 to 31	0.3 to 60	
	Band4					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	
	Gain	Gain	string	0 to 72	-18dB to +18dB	
	Q Value	Q value	string	0 to 31	0.3 to 60	
	EQ Mode	EQ mode	string	0	Easy Mode	
				1	Expert Mode	
6	End Character	Message end character	binary	0x0d	CR	

4.3.8 FBS Common Setting Change Request

After receiving the FBS Common Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the FBS Common Setting Change Request from the host is shown below.

s_fbs_general␣S␣0000␣00␣NC␣2,1␣↲

Table 4-47 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_fbs_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Detection	Detection speed	string	0	Low	
				1	Mid	
				2	High	
	Response	Response	string	0	slow	
				1	fast	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.9 FBS Common Setting Acquisition Request

After receiving the FBS Common Setting Acquisition Request, the ATDM-0604a sends the FBS common settings to the host via Answer.

(1) Get Command

The command format of the FBS Common Setting Acquisition Request from the host is shown below.

g_fbs_general␣O␣0000␣00␣NC␣↲

Table 4-48 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_fbs_general␣0000␣00␣NC␣2,1␣↲

Table 4-49 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs_general		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Detection	Detection speed	string	0	Low	
				1	Mid	
				2	High	
	Response	Response	string	0	slow	
				1	fast	
6	End Character	Message end character	binary	0x0d	CR	

4.3.10 FBS Setting Change Request

After receiving the FBS Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the FBS Setting Change Request from the host is shown below.

s_fbs␣S␣0000␣00␣NC␣12,3,1,1,1,1,1,1,1,1,1␣↲

Table 4-50 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_fbs		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	
				12 to 13	Output Channel 1 to 2	
				20	Output ST	
	Processing Type	Processing type	string	0	Reset	
				1	All Static	
				2	Copy to EQ	Only Output Channel
				3	Band Setting	
	Enable	Enable/Disable	string	0	Off	
				1	On	
	Band1	Static select	string	0	Off	
				1	On(static)	
	Band2	Static select	string	0	Off	
				1	On(static)	
	Band3	Static select	string	0	Off	
				1	On(static)	
	Band4	Static select	string	0	Off	
				1	On(static)	

No	item		Description	type	value	value description	remarks
		Band5	Static select	string	0	Off	
					1	On(static)	
		Band6	Static select	string	0	Off	
					1	On(static)	
		Band7	Static select	string	0	Off	
					1	On(static)	
		Band8	Static select	string	0	Off	
					1	On(static)	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.11 FBS Setting Acquisition Request

After receiving the FBS Setting Acquisition Request, the ATDM-0604a sends the FBS settings to the host via Answer.

(1) Get Command

The command format of the FBS Setting Acquisition Request from the host is shown below.

g_fbs␣O␣0000␣00␣NC␣12␣↲

Table 4-51 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	
				12 to 13	Output Channel 1 to 2	
				20	Output Channel ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_fbs␣0000␣00␣NC␣12,,1,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31␣↲

Table 4-52 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_fbs		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	
				12 to 13	Output Channel 1 to 2	
				20	Output Channel ST	
	Processing Type	Processing type	string			Not used
	Enable	Enable/Disable	string	0	Off	
				1	On	
	Band1					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Static	Static select	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band4					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band5					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band6					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band7					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band8					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency

No	item	Description	type	value	value description	remarks
						Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
6	End Character	Message end character	binary	0x0d	CR	

4.3.12 Input Channel Dynamics Setting Change Request

After receiving the Input Channel Dynamics Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Channel Dynamics Setting Change Request from the host is shown below.

s_input_channel_comp_settings␣S␣0000␣00␣NC␣5,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1␣↲

Table 4-53 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_channel_comp_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
	Enalbe	Compressor permission	string	0	Off	
				1	On	
	Comp/DeEsser		string	0	Comp	
				1	DeEsser	
	Compressor					
	Threshold	Compressor attenuation	string	0 to 60	-60dB to 0dB	
	Ratio	Tilt of a waveform	string	0	1:1.4	
				1	1:2	
				2	1:4	
				3	1:6	
				4	1:10	

No	item	Description	type	value	value description	remarks
				5	+∞	
	Attack Time	Attack time	string	0	0msec	
				25	0.25msec	
				50	0.5msec	
				100	1msec	
				200	2msec	
				400	4msec	
				800	8msec	
				1600	16msec	
				3200	32msec	
				10000	100msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000msec	
	Output Gain	Gain	string	0 to 20	10 to -10dB	
	DeEssor					
	Band1					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Side Chain		string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Low cut	Low cut	string	0	Off	
				1	On	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.13 Input Channel Dynamics Setting Acquisition Request

After receiving the Input Channel Dynamics Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Dynamics Setting Acquisition Request from the host is shown below.

g_input_channel_comp_settings␣O␣0000␣00␣NC␣5␣↲

Table 4-54 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_comp_settings		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_input_channel_comp_settings␣0000␣00␣NC␣5,1,1,60,5,10000,2000,20,2,480,72,31,1,2,480,72,31,1␣↲

Table 4-55 Answer Command Format

No	item	Description	type	Value	value description	remarks
1	Command	Command string	string	g_input_channel_comp_settings		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
	Enalbe	Compressor permission	string	0	Off	
				1	On	
	Comp/DeEsser		string	0	Comp	
				1	DeEsser	
	Compressor					
	Threshold	Compressor attenuation	string	0 to 60	-60dB to 0dB	
	Ratio	Tilt of a waveform	string	0	1:1.4	
				1	1:2	
				2	1:4	
				3	1:6	
				4	1:10	
				5	+∞	
	Attack Time	Attack time	string	0	0msec	
				25	0.25msec	
				50	0.5msec	
				100	1msec	
				200	2msec	

No	item	Description	type	Value	value description	remarks
				400	4msec	
				800	8msec	
				1600	16msec	
				3200	32msec	
				10000	100msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000msec	
	Output Gain	Gain	string	0 to 20	10 to -10dB	
	DeEssor					
	Band1					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Side Chain		string	0	Off	
				1	On	
	Low cut	Low cut	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.3.14 AEC Setting Change Request

After receiving the AEC Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the AEC Setting Change Request from the host is shown below.

s_aec_general␣S␣0000␣00␣NC␣2,23,,1,,10,,,,20,20,1,1,␣↲

Table 4-56 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_aec_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mode	AEC Mode	string	0	Off	
				1	AEC	
				2	Noise Canceling	
	AEC Reference	AEC Reference	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
				12 to 13	Output Channel 1 to 2	
				22	Output ST	
				23	External	
	Reserved	Reserved	string			Not used
	Send Reference	Send Reference	string	0	Off	
				1	On	
	Reserved	Reserved	string			Not used
	Input Bus Select	Input Bus Select	string	0	Bus 1	
			string	1	Bus 2	
			string	10	Bus ST	
	Output	Output 1	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
		Output 2	string	0	Off	
				1	On	
		Output ST	string	0	Off	
				1	On	
	Noise Canceling Attenuation Level					
	AEC	Attenuation level (AEC Mode)	string	0 to 20	0 to 20dB	
	Noise Canceling	Attenuation level (Noise Canceling Mode)	string	0 to 20	0 to 20dB	
	Non-linear Processing					
	Enable	Non-linear Processing permission	string	0	Off	
				1	On	
	Sensitivity	Non Linear Processing Sensitivity	string	0	Low	
				1	Mid	
				2	High	
	Reserved	Reserved	string			Not used
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.15 AEC Setting Acquisition Request

After receiving the AEC Setting Acquisition Request, the ATDM-0604a sends the AEC settings to the host via Answer.

(1) Get Command

The command format of the AEC Setting Acquisition Request from the host is shown below.

g_aec_general␣O␣0000␣00␣NC␣↲

Table 4-57 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_aec_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_aec_general␣0000␣00␣NC␣2,23,,1,,10,,,,20,20,1,1,␣↲

Table 4-58 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_aec_general		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Mode	AEC Mode	string	0	Off	
				1	AEC	
				2	Noise Canceling	
	AEC Reference	AEC Reference	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
				12 to 13	Output Channel 1 to 2	
				22	Output ST	
				23	External	
	Reserved	Reserved	string			Not used
	Send Reference	Send Reference	string	0	Off	
				1	On	
	Reserved	Reserved	string			Not used
	Input Bus Select	Input Bus Select	string	0	Bus 1	
			string	1	Bus 2	
			string	10	Bus ST	
	Output	Output 1	string	0	Off	
				1	On	
		Output 2	string	0	Off	
				1	On	

No	Item	Description	type	value	value description	remarks
	Output ST		string	0	Off	
				1	On	
	Noise Canceling Attenuation Level					
	AEC	Attenuation level (AEC Mode)	string	0 to 20	0 to 20dB	
	Noise Canceling	Attenuation level (Noise Canceling Mode)	string	0 to 20	0 to 20dB	
	Non Linear Processing					
	Enable	Non-linear Processing permission	string	0	Off	
				1	On	
	Sensitivity	Non Linear Processing Sensitivity	string	0	Low	
				1	Mid	
				2	High	
	Reserved	Reserved	string			Not used
6	End Character	Message end character	binary	0x0d	CR	

4.3.16 Smart Mix Setting Change Request

After receiving the Smart Mix Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Smart Mix Setting Change Request from the host is shown below.

s_smart_mix␣S␣0000␣00␣NC␣5,4,60,1,1,60,20␣↲

Table 4-59 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_smart_mix		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
	Smart Mix Group	Smart Mix Group	string	1	SmartMix Group 1	
	GainShare					
	Weight	Weight of GainShare	string	0 to 60	-15.0, -14.5 to +15.0	
	Gate					
	Priority	Priority	string	0	Off	
				1	On	
	Can Cut	Cut	string	0	Off	
				1	On	
	Off Attenuation of closed mic	Off attenuation of mic	string	0 to 60	-60dB to 0dB	
	Threshold	Attenuation	string	0 to 20	-10dB to 10dB	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.17 Smart Mix Setting Acquisition Request

After receiving the Smart Mix Setting Acquisition Request, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Smart Mix Setting Acquisition Request from the host is shown below.

g_smart_mix␣O␣0000␣00␣NC␣5␣↲

Table 4-60 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_smart_mix␣0000␣00␣NC␣5,1,60,1,1,60,20␣↲

Table 4-61 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
	Smart Mix Group	Smart Mix Group	string	1	SmartMix Group 1	
	GainShare					
	Weight	Weight of GainShare	string	0 to 60	-15.0, -14.5 to +15.0	
	Gate					
	Priority	Priority	string	0	Off	
				1	On	
	Can Cut	Cut	string	0	Off	
				1	On	
	Off Atenuation of closed mic	Off attenuation of mic	string	0 to 60	-60dB to 0dB	
	Threshold	Attenuation	string	0 to 20	-10dB to 10dB	
6	End Character	Message end character	binary	0x0d	CR	

4.3.18 Smart Mix Common Setting Change Request

After receiving the Smart Mix Common Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Smart Mix Common Setting Change Request from the host is shown below.

s_smart_mix_general␣S␣0000␣00␣NC␣2,1,10000,1,10,1,1,80,4␣↲

Table 4-62 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_smart_mix_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mode	Smart Mix mode	string	0	Off	
				1	Gate	
				2	Gain Share	
	Last Mic On	Last Mic On	string	0	Off	
				1	On	
	Gate Hold Time	Gate Hold Time	string	100,200,300,400,500,1000,1500,2000,2500,3000,3500,4000,4500,5000,5500,6000,6500,7000,7500,8000,8500,9000,9500,10000		
	NOMA	NOMA	string	0	Off	
				1	On	
	Num Of Open Mic	Num Of Open Mic	string	1 to 10	1 - 10mic	
	Priority Mode	Priority mode	string	0	Mode 1	

No	item	Description	type	value	value description	remarks
				1	Mode 2	
	Gate Threshold					
	Enable	Gate Threshold permission	string	0	Off	
				1	On	
	Level	Level	string	0 to 80	-80dB to 0dB	
	Smart Mix Group	Smart Mix Group	string	1	SmartMix Group 1	Fixed to 1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.19 Smart Mix Common Setting Acquisition Request

After receiving the Smart Mix Common Setting Acquisition Request, the ATDM-0604a sends the input settings to the host via Answer.

(1) Get Command

The command format of the Smart Mix Common Setting Acquisition Request from the host is shown below.

g_smart_mix_general␣O␣0000␣00␣NC␣1␣↲

Table 4-63 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Smart Mix Group	Smart Mix Group	string	1	SmartMix Group 1	Group 1 if omitted
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_smart_mix_general␣0000␣00␣NC␣2,1,10000,1,10,1,1,80,4␣↲

Table 4-64 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix_general		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-3.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Mode	Smart Mix mode	string	0	Off	
				1	Gate	
				2	Gain Share	
	Last Mic On	Last Mic On	string	0	Off	
				1	On	
	Gate Hold Time	Gate Hold Time	string	100,200,300,400,500,1000,1500,2000,2500,3000,3500,4000,4500,5000,5500,6000,6500,7000,7500,8000,8500,9000,9500,10000		
	NOMA	NOMA	string	0	Off	
				1	On	
	Num Of Open Mic	Num Of Open Mic	string	1 to 10	1 - 10mic	
	Priority Mode	Priority mode	string	0	Mode 1	
				1	Mode 2	
	Gate Threshold					
	Enable	Gate Threshold permission	string	0	Off	
				1	On	
	Level	Level	string	0 to 80	-80dB to 0dB	

No	item	Description	type	value	value description	remarks
	Smart Mix Group	Smart Mix Group	string	1	SmartMix Group 1	
6	End Character	Message end character	binary	0x0d	CR	

4.3.20 Ducker Setting Change Request

After receiving the Ducker Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Ducker Setting Change Request from the host is shown below.

s_ducker_general␣S␣0000␣00␣NC␣1␣↲

Table 4-65 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	s_ducker_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Enable	Ducker permission	string	0	Off	
				1	On	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.21 Ducker Setting Acquisition Request

After receiving the Ducker Setting Acquisition Request, the ATDM-0604a sends the log settings to the host via Answer.

(1) Get Command

The command format of the Ducker Setting Acquisition Request from the host is shown below.

g_ducker_general␣O␣0000␣00␣NC␣↲

Table 4-66 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_ducker_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_ducker_general␣0000␣00␣NC␣1␣↲

Table 4-67 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_ducker_general		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Enable	Ducker permission	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.4 Output Command Details

4.4.1 Output Level Setting Change Request

After receiving the Output Level Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Level Setting Change Request from the host is shown below.

s_output_level␣S␣0000␣00␣NC␣8,511,1,511,0,511␣↲

Table 4-68 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_level		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.2 Output Level Setting Acquisition Request

After receiving the Output Level Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Level Setting Acquisition Request from the host is shown below.

g_output_level␣O␣0000␣00␣NC␣8␣↲

Table 4-69 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_level		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_output_level␣0000␣00␣NC␣8,511,1,511,0,511␣↲

Table 4-70 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_level		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.4.3 Output Channel Mute Setting Change Request

After receiving the Output Channel Mute Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Channel Mute Setting Change Request from the host is shown below.

s_output_mute␣S␣0000␣00␣NC␣10,1␣↲

Table 4-71 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_mute		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.4 Output Channel Mute Setting Acquisition Request

After receiving the Output Channel Mute Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Channel Mute Setting Acquisition Request from the host is shown below.

g_output_mute␣O␣0000␣00␣NC␣10␣↲

Table 4-72 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_mute		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_output_mute␣0000␣00␣NC␣10,1␣↲

Table 4-73 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_mute		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.4.5 Output Channel Setting Change Request

After receiving the Output Channel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Channel Setting Change Request from the host is shown below.

s_output_channel_settings␣S␣0000␣00␣NC␣8,3,”OUT ST”,3,8␣↲

Table 4-74 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_channel_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Unity	Unity	string	0	+4dBu	Other than ST1/2
				1	0dBv	
				2	-10dBv	
				3	-33dBv	Only ST1/2
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	

No	item		Description	type	value	value description	remarks
		Color	Channel color	string	0	Green	
					1	Yellow	
					2	Brown	
					3	Red	
					4	Pink	
					5	Blue	
					6	Gray	
					7	DarkGray	
		Reserved	Reserved	string		Not used	
		Fader Group	Fader Group	string	0	None	
					1	Group A	
					2	Group B	
					3	Group C	
					4	Group D	
					5	Group E	
					6	Group F	
					7	Group G	
					8	Group H	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.6 Output Channel Setting Acquisition Request

After receiving the Output Channel Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Channel Setting Acquisition Request from the host is shown below.

g_output_channel_settings␣O␣0000␣00␣NC␣8␣↲

Table 4-75 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_channel_settings		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_output_channel_settings␣0000␣00␣NC␣8,3,”OUT ST”,3,8␣↲

Table 4-76 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_channel_settings		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Unity	Unity	string	0	+4dBu	Other than ST1/2
				1	0dBv	
				2	-10dBv	
				3	-33dBv	Only ST1/2
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	

No	item	Description	type	value	value description	remarks
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Reserved	Reserved	string		Not used	
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
6	End Character	Message end character	binary	0x0d	CR	

4.4.7 Output EQ Setting Change Request

After receiving the Output EQ Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output EQ Setting Change Request from the host is shown below.

s_output_eq␣S␣0000␣00␣NC␣10,1,1,2,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31␣↲

Table 4-77 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_eq		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	EQ On/Off	On/Off for whole EQ CH	string	0	Off	
				1	On	
	Band1					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.

No	item		Description	type	value	value description	remarks
		Band2					
			Band Enable	Enable	string	0	Off	
						1	On	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band3					
			Band Enable	Enable	string	0	Off	
						1	On	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band4					
			Band Enable	Enable	string	0	Off	
						1	On	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band5					
			Band Enable	Enable	string	0	Off	
						1	On	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band6					
			Band Enable	Enable	string	0	Off	
						1	On	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band7					
			Band Enable	Enable	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band8					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band9					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band10					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band11					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band12					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	

No	item			Description	type	value	value description	remarks
						1	LSH/HSH	
						2	PEQ	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
7	End Character			Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.8 Output EQ Setting Acquisition Request

After receiving the Output EQ Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output EQ Setting Acquisition Request from the host is shown below.

g_output_eq␣O␣0000␣00␣NC␣10␣↲

Table 4-78 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_eq		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_output_eq␣0000␣00␣NC␣10,1,1,2,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31␣↲

Table 4-79 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_eq		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	EQ On/Off	On/Off for whole EQ CH	string	0	Off	
				1	On	
	Band1					
	Band Enable	Enable	string	0	Off	
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.

No	item	Description	type	value	value description	remarks
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band4					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band5					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band6					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.

No	item	Description	type	value	value description	remarks
	Band7					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band8					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band9					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band10					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band11					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band12					
	Band Enable	Enable	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band12					Same as Band 1
6	End Character	Message end character	binary	0x0d	CR	

4.4.9 12BandEQFunction Request

After receiving the 12BandEQFunction Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the 12BandEQFunction Request from the host is shown below.

s_output_12eq_func␣S␣0000␣00␣NC␣0,2,20␣↲

Table 4-80 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_12eq_func		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Processing Type	Processing type	string	0	Flat	All band gain 0
				1	Recall EQ Preset	
				2	Save EQ Preset	
				3	Reset	Reset to Default
	Preset Number	Preset EQ number	string	1 to 20	EQ library 1 to 20	When the processing type is 1,2
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.10 FBS Setting Change Request

Same as 4.3.10 FBS Setting Change Request.

4.4.11 FBS Setting Acquisition Request

Same as 4.3.11 FBS Setting Acquisition Request

4.4.12 Dynamics&Delay Setting Change Request

After receiving the Dynamics&Delay Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Dynamics&Delay Setting Change Request from the host is shown below.

s_dynamics_delay␣S␣0000␣00␣NC␣10,1,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1,1,60,1,1000␣↲

Table 4-81 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_dynamics_delay		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Pre/Post		string	0	Pre	
				1	Post	
	Enalbe	Compressor permission	string	0	Off	
				1	On	
	Comp/DeEsser		string	0	Comp	
				1	DeEsser	
	Compressor					
	Threshold	Compressor attenuation	string	0 to 60	-60dB to 0dB	
	Ratio	Tilt of a waveform	string	0	1:1.4	
				1	1:2	
				2	1:4	
				3	1:6	

No	item	Description	type	value	value description	remarks
				4	1:10	
				5	+∞	
	Attack Time	Attack time	string	0	0msec	
				25	0.25msec	
				50	0.5msec	
				100	1msec	
				200	2msec	
				400	4msec	
				800	8msec	
				1600	16msec	
				3200	32msec	
				10000	100msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000msec	
	Output Gain	Gain	string	0 to 20	10 to -10dB	
	DeEssor					
	Band1					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	36 to 72	0dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	36 to 72	0dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Side Chain		string	0	Off	
				1	On	
	Low cut	Low cut	string	0	Off	
				1	On	
	Limiter					
	Enalbe	Limiter permission	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Threshold	Limiter attenuation amount	string	0 to 60	-60dB to 0dB	
	Delay					
	Enalbe	Delay permission	string	0	Off	
				1	On	
	Delay Time	Delay time	string	0 to 1000	0 to 1000msec	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.13 Dynamics&Delay Setting Acquisition Request

After receiving the Dynamics&Delay Setting Acquisition Request, the ATDM-0604a sends the output settings to the host via Answer.

(1) Get Command

The command format of the Dynamics&Delay Setting Acquisition Request from the host is shown below.

g_dynamics_delay␣O␣0000␣00␣NC␣10␣↲

Table 4-82 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_dynamics_delay		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_dynamics_delay␣0000␣00␣NC␣10,1,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1,1,60,1,1000␣↲

Table 4-83 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_dynamics_delay		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				8 or 10	Output ST	
	Pre/Post		string	0	Pre	
				1	Post	
	Enalbe	Compressor permission	string	0	Off	
				1	On	
	Comp/DeEsser		string	0	Comp	
				1	DeEsser	
	Compressor					
	Threshold	Compressor attenuation	string	0 to 60	-60dB to 0dB	
	Ratio	Tilt of a waveform	string	0	1:1.4	
				1	1:2	
				2	1:4	
				3	1:6	
				4	1:10	
				5	+∞	
	Attack Time	Attack time	string	0	0msec	
				25	0.25msec	

No	item	Description	type	value	value description	remarks
				50	0.5msec	
				100	1msec	
				200	2msec	
				400	4msec	
				800	8msec	
				1600	16msec	
				3200	32msec	
				10000	100msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000msec	
	Output Gain	Gain	string	0 to 20	10 to -10dB	
	DeEssor					
	Band1					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSH	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Side Chain		string	0	Off	
				1	On	
	Low cut	Low cut	string	0	Off	
				1	On	
	Limiter					
	Enalbe	Limiter permission	string	0	Off	
				1	On	
	Threshold	Limiter attenuation amount	string	0 to 60	-60dB to 0dB	
	Delay					

No	item			Description	type	value	value description	remarks
			Enalbe	Delay permission	string	0	Off	
						1	On	
			Delay Time	Delay time	string	0 to 1000	0 to 1000msec	
6	End Character			Message end character	binary	0x0d	CR	

4.4.14 USB Output Setting Change Request

After receiving the USB Output Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the USB Output Setting Change Request from the host is shown below.

s_usb_out␣S␣0000␣00␣NC␣0,4,411␣↲

Table 4-84 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_usb_out		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	USB OUT					
	Bus Select OUT1	OUT1 bus	string	0	Off	
			string	1 to 2	CH 1 to 2	
			string	3	ST(L)	
			string	4	NC	
	Bus Select OUT2	OUT2 bus	string	0	Off	
			string	1 to 2	CH 1 to 2	
			string	3	ST(R)	
			string	4	NC	
	Send Level	Output level	string	0 to 411	-120dB to 0dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.15 USB Output Setting Acquisition Request

After receiving the USB Output Setting Acquisition Request, the ATDM-0604a sends the USB output settings to the host via Answer.

(1) Get Command

The command format of the USB Output Setting Acquisition Request from the host is shown below.

g_usb_out␣O␣0000␣00␣NC␣↲

Table 4-85 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_usb_out		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_usb_out␣0000␣00␣NC␣0,4,411␣↲

Table 4-86 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_usb_out		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	USB OUT					
	Bus Select OUT1	OUT1 bus	string	0	Off	
			string	1 to 2	CH 1 to 2	
			string	3	ST(L)	
			string	4	NC	
	Bus Select OUT2	OUT2 bus	string	0	Off	
			string	1 to 2	CH 1 to 2	
			string	3	ST(R)	
			string	4	NC	
	Send Level	Output level	string	0 to 411	-120dB to 0dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.4.16 Oscillator Control Setting Change Request

After receiving the Oscillator Control Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Oscillator Control Setting Change Request from the host is shown below.

s_oscillator␣S␣0000␣00␣NC␣1,1,2,121,1,1,1␣↲

Table 4-87 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_oscillator		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Enalbe	Oscillator permission	string	0	Off	
				1	On	
	Source	Source	string	0	Sine Wave	
				1	Pink Noise	
	Frequency	Frequency	string	0	100Hz	
				1	1kHz	
				2	10kHz	
	Level	Level	string	0 to 121	-∞, -120dB to 0dB	
	CH1					
	Assign	CH assign	string	0	Off	
				1	On	
	CH2					
	Assign	CH assign	string	0	Off	
				1	On	
	ST					
	Assign	CH assign	string	0	Off	
				1	On	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.17 Oscillator Control Setting Acquisition Request

After receiving the Oscillator Control Setting Acquisition Request, the ATDM-0604a sends the USB output settings to the host via Answer.

(1) Get Command

The command format of the Oscillator Control Setting Acquisition Request from the host is shown below.

g_oscillator␣O␣0000␣00␣NC␣↲

Table 4-88 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_oscillator		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_oscillator␣0000␣00␣NC␣1,1,2,121,1,1,1␣↲

Table 4-89 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_oscillator		
2	Model ID	Not used	string	0000		Not used
3	Device ID	Device ID	string	00 to FF	Device ID	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Enalbe	Oscillator permission	string	0	Off	
				1	On	
	Source	Source	string	0	Sine Wave	
				1	Pink Noise	
	Frequency	Frequency	string	0	100Hz	
				1	1kHz	

No	item	Description	type	value	value description	remarks
				2	10kHz	
	Level	Level	string	0 to 121	-∞, -120dB to 0dB	
	CH1					
	Assign	CH assign	string	0	Off	
				1	On	
	CH2					
	Assign	CH assign	string	0	Off	
				1	On	
	ST					
	Assign	CH assign	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.5 Operator Page Command Details

4.5.1 Operator Page Common Setting Change Request

After receiving the Operator Page Common Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Common Setting Change Request from the host is shown below.

s_operator_general␣S␣0000␣00␣NC␣3␣↲

Table 4-90 Command Format

No	item	Description	type	value	value description		remarks
1	Command	Command string	string	s_operator_general			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Button Link	Array Mic/GPO button operation interlock	string		Array Mic	GPO	
				0	Off	Off	
				1	On	Off	
				2	Off	On	
				3	On	On	
7	End Character	Message end character	binary	0x0d	CR		

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.2 Operator Page Common Setting Acquisition Request

After receiving the Operator Page Common Setting Acquisition Request, the ATDM-0604a sends the Webremote Operator common settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Common Setting Acquisition Request from the host is shown below.

g_operator_general␣O␣0000␣00␣NC␣↲

Table 4-91 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_operator_general␣0000␣00␣NC␣3␣↲

Table 4-92 Answer Command Format

No	item	Description	type	value	value description		remarks
1	Command	Command string	string	g_operator_general			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Button Link	Array Mic/GPO button operation interlock	string		Array Mic	GPO	
				0	Off	Off	
				1	On	Off	
				2	Off	On	
				3	On	On	
6	End Character	Message end character	binary	0x0d	CR		

4.5.3 Operator Page Setting Change Request

After receiving the Operator Page Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Setting Change Request from the host is shown below.

s_operator_pagesettings␣S␣0000␣00␣NC␣1,6,1,1,3␣↲

Table 4-93 Command Format

No	item	Description	type	value	value description			remarks
1	Command	Command string	string	s_operator_pagesettings				
2	HandShake Select	Sequence execution system	string	S				
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.			
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.			
5	Continue Select	Divided message system	string	NC	No divided message			
6	Parameter	Parameter						
	Recall Preset	Preset call permission	string	0	Off			
				1	On			
	Num of Preset	Preset number	string	1 to 6	Preset 1 to 6			
	Fader Position Resume	Fader value save	string	0	Off			
				1	On			
	Logout Button	Logout button	string	0	Off			
				1	On			
	Switch Button	Array Mic/GPO button	string		Array Mic	GPO1	GPO2	
				0	Off	Off	Off	
				1	On	Off	Off	
				2	Off	On	Off	
				3	Off	On	On	
7	End Character	Message end character	binary	0x0d	CR			

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.4 Operator Page Setting Acquisition Request

After receiving the Operator Page Setting Acquisition Request, the ATDM-0604a sends the Webremote Operator Page settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Setting Acquisition Request from the host is shown below.

g_operator_pagesettings␣O␣0000␣00␣NC␣↲

Table 4-94 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_pagesettings		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_operator_pagesettings␣0000␣00␣NC␣1,6,1,1,3␣↲

Table 4-95 Answer Command Format

No	item	Description	type	value	value description			remarks
1	Command	Command string	string	g_operator_pagesettings				
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-7.			
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.			
4	Continue Select	Divided message system	string	NC	No divided message			
5	Parameter	Parameter						
	Recall Preset	Preset call permission	string	0	Off			
				1	On			
	Num of Preset	Preset number	string	1 to 6	Preset 1 to 6			
	Fader Position Resume	Fader value save	string	0	Off			
				1	On			
	Logout Button	Logout button	string	0	Off			
				1	On			
	Switch Button	Array Mic/GPO button	string		Array Mic	GPO1	GPO2	
				0	Off	Off	Off	
				1	On	Off	Off	
				2	Off	On	Off	
				3	Off	On	On	
6	End Character	Message end character	binary	0x0d	CR			

4.5.5 Operator Page Channel Setting Change Request

After receiving the Operator Page Channel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Channel Setting Change Request from the host is shown below.

s_operator_channel␣S␣0000␣00␣NC␣8,”fader8”,5,100,1,100,1,100␣↲

Table 4-96 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_channel		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Name	Fader name	char	"	Beginning of character string	
			string	ASCII code	Fader name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Icon	Fader icon	string	0	Mic	
				1	Aux	
				2	PC	
				3	Chat	
				4	Spk	
				5	Rec	
	Level	Level	string	0 to 100	0 to 100	1.0step
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	

No	item	Description	type	value	value description	remarks
	Value	Volume	string	0 to 100	0 to 100	
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 100	0 to 100	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.6 Operator Page Channel Setting Acquisition Request

After receiving the Operator Page Channel Setting Acquisition Request, the ATDM-0604a sends the Webremote Operator Page Channel settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Channel Setting Acquisition Request from the host is shown below.

g_operator_channel␣O␣0000␣00␣NC␣8␣↲

Table 4-97 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_channel		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_operator_channel␣0000␣00␣NC␣8,1,”fader8”,5,100,1,100,1,100␣↲

Table 4-98 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_channel		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Name	Fader name	char	"	Beginning of	

No	item	Description	type	value	value description	remarks
					character string	
			string	ASCII code	Fader name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Icon	Fader icon	string	0	Mic	
				1	Aux	
				2	PC	
				3	Chat	
				4	Spk	
				5	Rec	
	Level	Level	string	0 to 100	0 to 100	1.0step
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 100	0 to 100	
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 100	0 to 100	
6	End Character	Message end character	binary	0x0d	CR	

4.5.7 Operator Page Assign Channel Setting Change Request

After receiving the Operator Page Assign Channel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Assign Channel Setting Change Request from the host is shown below.

s_operator_assign␣S␣0000␣00␣NC␣8,2,1,0,1,1,1,1,1,1,1,1␣↲

Table 4-99 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_assign		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Channel Type	Channel type	string	0	Input	
				1	Output	
				2	Group	
	Show Mute	Mute button use	string	0	Off	
				1	On	
	Show Fader	Fader use	string	0	Off	
				1	On	
	Level1	Input 1/Output 1/Group A	string	0	Off	
				1	On	
	Level2	Input 2/Output 2/Group B	string	0	Off	
				1	On	
	Level3	Input 3/Output ST/Group C	string	0	Off	
				1	On	
	Level4	Input 4/-/Group D	string	0	Off	
				1	On	
	Level5	Input 5/-/Group E	string	0	Off	

No	item		Description	type	value	value description	remarks
					1	On	
		Level6	Input 6/-/Group F	string	0	Off	
					1	On	
		Level7	Input ST/-/Group G	string	0	Off	
					1	On	
		Level8	-/-/Group H	string	0	Off	
					1	On	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.8 Operator Page Assign Channel Setting Acquisition Request

After receiving the Operator Page Assign Channel Setting Acquisition Request, the ATDM-0604a sends the Webremote Operator Page Channel settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Assign Channel Setting Acquisition Request from the host is shown below.

g_operator_assign␣O␣0000␣00␣NC␣8␣↲

Table 4-100 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_assign		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_operator_assign␣0000␣00␣NC␣8,2,1,1,1,1,1,1,1,1␣↲

Table 4-101 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_assign		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Channel Type	Channel type	string	0	Input	

No	item	Description	type	value	value description	remarks
				1	Output	
				2	Group	
	Show Mute	Mute button use	string	0	Off	
				1	On	
	Show Fader	Fader use	string	0	Off	
				1	On	
	Level1	Input 1/Output 1/Group A	string	0	Off	
				1	On	
	Level2	Input 2/Output 2/Group B	string	0	Off	
				1	On	
	Level3	Input 3/Output ST/Group C	string	0	Off	
				1	On	
	Level4	Input 4/-/Group D	string	0	Off	
				1	On	
	Level5	Input 5/-/Group E	string	0	Off	
				1	On	
	Level6	Input 6/-/Group F	string	0	Off	
				1	On	
	Level7	Input ST/-/Group G	string	0	Off	
				1	On	
	Level8	-/-/Group H	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.5.9 Operator Page Channel Mute Request

After receiving the Operator Page Channel Mute Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Channel Mute Request from the host is shown below.

s_operator_mute␣S␣0000␣00␣NC␣8,1␣↲

Table 4-102 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_mute		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Mute	Mute	string	0	No Mute	
				1	Mute	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.10 Array Mic Mute Control Request

After receiving the Array Mic Mute Control Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Array Mic Mute Control Request from the host is shown below.

s_arraymic_mute␣S␣0000␣00␣NC␣1,1␣↲

Table 4-103 Command Format

No	item		Description	type	value	value description	remarks
1	Command		Command string	string	s_arraymic_mute		
2	HandShake Select		Sequence execution system	string	S		
3	Device ID		Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID		Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select		Divided message system	string	NC	No divided message	
6	Parameter		Parameter				
		Mute	Mute	string	0	No mute	
					1	Mute	
		Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
					1	Virtual Mic 2	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.11 Array Mic Mute Status Acquisition Request

After receiving the Array Mic Mute Status Acquisition Request, the ATDM-0604a sends the Array Mic Mute state to the host via Answer.

(1) Get Command

The command format of the Array Mic Mute Status Acquisition Request from the host is shown below

g_arraymic_mute␣O␣0000␣00␣NC␣1␣↲

Table 4-104 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_arraymic_mute		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
				1	Virtual Mic 2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_arraymic_mute␣0000␣00␣NC␣1,1␣↲

Table 4-105 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_audio_system		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Mute	Mute	string	0	No mute	
				1	Mute	
	Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
				1	Virtual Mic 2	
6	End Character	Message end character	binary	0x0d	CR	

4.5.12 GPO Control Request

After receiving the GPO Control Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Get Command

The command format of the GPO Control Request from the host is shown below.

s_gpo_action␣S␣0000␣00␣NC␣1,1␣↲

Table 4-106 Command Format

No	item		Description	type	value	value description	remarks
1	Command		Command string	string	s_gpo_action		
2	HandShake Select		Sequence execution system	string	S		
3	Device ID		Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID		Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select		Divided message system	string	NC	No divided message	
6	Parameter		Parameter				
		Kind	Distinction between GPO 1 or 2	string	0	GPO Switch 1	
					1	GPO Switch 2	
		Action	Action	string	0	Off	
					1	On	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.13 GPO Status Acquisition Request

After receiving the GPO Status Acquisition Request, the ATDM-0604a sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the GPO Status Acquisition Request from the host is shown below.

g_gpo_action␣O␣0000␣00␣NC␣↲

Table 4-107 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_gpo_action		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter		-	-	No
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_gpo_action␣0000␣00␣NC␣1,1␣↲

Table 4-108 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_gpo_action		
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	GPO Switch 1	GPO Switch 1 status	string	0	Off	
				1	On	
	GPO Switch 2	GPO Switch 2 status				Same as GPO Switch 1
6	End Character	Message end character	binary	0x0d	CR	

4.6 System Command Details

4.6.1 Factory Default Setting Request

After receiving the Factory Default Setting Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Factory Default Setting Request from the host is shown below.

factory_settings␣S␣0000␣00␣NC␣0␣↲

Table 4-109 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Reset Item	Reset items				
	All Setting to Default.	All settings	string	0	All Reset	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

factory_settings␣ACK␣↲

Table 4-110 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		Sets the received Set/Get command
2	ACK	ACK	string	ACK		
3	End Character	Message end character	binary	0x0d	CR	

factory_settings␣NAK␣01␣↲

Table 4-111 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		Sets the received Set/Get command
2	NAK	NAK	string	NAK		
3	Error Code	Error Codes	string	00 to 99	Error Codes	See Chapter 2.2.4.
4	End Character	Message end character	binary	0x0d	CR	

4.6.2 Permission Setting Change Request

After receiving the Permission Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Permission Setting Change Request from the host is shown below.

s_permission␣S␣0000␣00␣NC␣”ATDM-0604a”,0,,,,,,,,␣↲

Table 4-112 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_permission		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Device Name	Device name	char	"	Beginning of character string	
			string	ASCII code	Device name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Administrator					
	Password require	Password requirement at login	string	0	Password not required	
				1	Password required	
	password	Password	string	alphanumeric character		Changed to not specified if omitted.
	Reserved					
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used

No	item	Description	type	value	value description	remarks
	Reserved					
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.3 Permission Setting Acquisition Request

After receiving the Permission Setting Acquisition Request, the ATDM-0604a sends the permission settings to the host via Answer.

(1) Get Command

The command format of the Permission Setting Acquisition Request from the host is shown below.

g_permission␣O␣0000␣00␣NC␣↲

Table 4-113 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_permission		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_permission␣0000␣00␣NC␣"ATDM-0604a",0,,,,,,,,␣↲

Table 4-114 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_permission		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Device Name	Device name	char	"	Beginning of character string	
			string	ASCII code	Device name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Administrator					
	Password require	Password requirement at login	string	0	Password not required	
				1	Password required	
	password	Password	string	alphanumeric character		Changed to not specified if omitted.
	Reserved					
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved					
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
6	End Character	Message end character	binary	0x0d	CR	

4.6.4 Network Setting Change Request

After receiving the Network Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.
If the network settings are changed, the ATDM-0604a needs to be rebooted.

(1) Set Command

The command format of the Network Setting Change Request from the host is shown below.

s_network␣S␣0000␣00␣NC␣1,192.168.033.102,255.255.000.000,,1,17300,1,1,239.000.000.100,17000,0,,,,0,,,,␣↲

Table 4-115 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_network		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	Default gateway	
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information	string	0	Not use	

No	item			Description	type	value	value description	remarks
				transmission				
						1	Use	
			Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	
			Multicast port number	Multicast port number	string	1 to 65535	Port number	
		NTP setting						
			Enabled	NTP use	string	0	Not use	
						1	Use	
			NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
			NTP port number	NTP server port number	string	1 to 65535	Port number	
			Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
			Daylight saving time	Daylight saving time	string	0	Not use	
						1	Use	
			Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
			End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
		Reserved						
			Reserved	Reserved	string			Not used
			Reserved	Reserved	string			Not used
		Multicast port number						
			Multicast port number2	For DECT-WLM	string	1 to 65535	Port number	
			Reserved	Reserved	string			Not used
7	End Character			Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.5 Network Setting Acquisition Request

After receiving the Network Setting Acquisition Request, the ATDM-0604a sends the network settings to the host via Answer.

(1) Get Command

The command format of the Network Setting Acquisition Request from the host is shown below.

g_network␣O␣0000␣00␣NC␣↲

Table 4-116 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_network␣0000␣00␣NC␣1,192.168.033.102,255.255.000.000,,0005CDC102FA,1,17300,1,1,239.000.000.100,17000,0,,,,0,,,,␣↲

Table 4-117 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	Default gateway	
	MAC address	MAC address	string	XXXXXXYYYYYY	MAC address	
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information transmission	string	0	Not use	
				1	Use	
	Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	
	Multicast port number	Multicast port number	string	1 to 65535	Port number	

No	item	Description	type	value	value description	remarks
	NTP setting					
	Enabled	NTP use	string	0	Not use	
				1	Use	
	NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
	NTP port number	NTP server port number	string	1 to 65535	Port number	
	Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
	Daylight saving time	Daylight saving time	string	0	Not use	
				1	Use	
	Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	Reserved					
	Reserved	Reserved	string			
	Reserved	Reserved	string			
6	End Character	Message end character	binary	0x0d	CR	

4.6.6 Network Setting Acquisition Request 2

After receiving the Network Setting Acquisition Request 2 Network Setting Acquisition Request, the ATDM-0604a sends the network settings to the host via Answer.

(1) Get Command

In case of the Network Setting Acquisition Request 2 Network Setting Acquisition Request from the host, refer to the command format table below.

g_network2␣O␣0000␣00␣NC␣↲

Table 4-118 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network2		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_network2␣0000␣00␣NC␣1,192.168.033.102,255.255.000.000,,0005CDC102FA,1,17300,1,1,239.000.000.100,17000,0,,,,0,,,,,17002,17001␣↲

Table 4-119 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network2		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	Default gateway	
	MAC address	MAC address	string	XXXXXXYYYYYY	MAC address	
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information transmission	string	0	Not use	
				1	Use	
	Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	
	Multicast port number	Multicast port number	string	1 to 65535	Port number	

No	item	Description	type	value	value description	remarks
	NTP setting					
	Enabled	NTP use	string	0	Not use	
				1	Use	
	NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
	NTP port number	NTP server port number	string	1 to 65535	Port number	
	Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
	Daylight saving time	Daylight saving time	string	0	Not use	
				1	Use	
	Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	Reserved					
	Reserved	Reserved	string			
	Reserved	Reserved	string			
	Multicast port number					
	Multicast port number2	For DECT-WLM	string	1 to 65535	Port number	
	Multicast port number3	For DECT-CHG	string	1 to 65535	Port number	
6	End Character	Message end character	binary	0x0d	CR	

4.6.7 Firmware Version Acquisition Request

After receiving the Firmware Version Acquisition Request, the ATDM-0604a sends the device firmware version to the host via Answer.

(1) Get Command

The command format of the Firmware Version Acquisition Request from the host is shown below.

g_firmware_version␣O␣0000␣00␣NC␣↲

Table 4-120 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_firmware_version		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_firmware_version␣0000␣00␣NC␣01.00.00␣↲

Table 4-121 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_firmware_version		
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	version	Version	string	XX.XX.XX	Version	
6	End Character	Message end character	binary	0x0d	CR	

4.6.8 Header Color Setting Change Request

After receiving the Header Color Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK/NAK.

(1) Get Command

The command format of the Header Color Setting Change Request from the host is shown below.

s_header_color␣S␣0000␣00␣NC␣6␣↲

Table 4-122 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_header_color		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Header Color	Header color	string	0	White	
				1	Green	
				2	Yellow	
				3	Orange	
				4	Purple	
				5	Blue	
				6	Cyan	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.9 Header Color Setting Acquisition Request

After receiving the Header Color Setting Acquisition Request, the ATDM-0604a sends the header color settings to the host via Answer.

(1) Get Command

The command format of the Header Color Setting Acquisition Request from the host is shown below

g_header_color␣O␣0000␣00␣NC␣↲

Table 4-123 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_header_color		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_header_color␣0000␣00␣NC␣6␣↲

Table 4-124 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_header_color		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Header Color	Header color	string	0	White	
				1	Green	
				2	Yellow	
				3	Orange	
				4	Purple	
				5	Blue	
				6	Cyan	
6	End Character	Message end character	binary	0x0d	CR	

4.6.10 AT-LINK Mode Setting Change Request

After receiving the AT-LINK Mode Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the AT-LINK Mode Setting Change Request from the host is shown below.

s_link␣S␣0000␣00␣NC␣1␣↲

Table 4-125 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_link		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	AT-Link Mode	Audio Technica link mode	string	0	Extenstion	
				1	Primary	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.11 AT-LINK Mode Setting Acquisition Request

After receiving the AT-LINK Mode Setting Acquisition Request, the ATDM-0604a sends the A-T LINK settings to the host via Answer.

(1) Get Command

The command format of the AT-LINK Mode Setting Acquisition Request from the host is shown below

g_link␣O␣0000␣00␣NC␣↲

Table 4-126 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_link␣0000␣00␣NC␣1␣↲

Table 4-127 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	AT-Link Mode	Audio Technica link mode	string	0	Extention	
				1	Primary	
6	End Character	Message end character	binary	0x0d	CR	

4.6.12 AT-LINK Status Acquisition Request

After receiving the AT-LINK Status Acquisition Request, the ATDM-0604a sends the Extension information to the host via Answer.

(1) Get Command

The command format of the AT-LINK Status Acquisition Request from the host is shown below

g_link_extstatus␣O␣0000␣00␣NC␣7␣↲

Table 4-128 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link_extstatus		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Extention	Extension number	string	1 to 7	Extension 1 to Extension 7	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_link_extstatus␣0000␣00␣NC␣7,” ATDM-0604a” ,00000001,01.00.00␣↲

Table 4-129 Answer Command Format

No	item	Description	type	Value	value description	remarks
1	Command	Command string	string	g_link_extstatus		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Extention	Extension number	string	1 to 7	Extension 1 to Extension 7	
	Device Name	Device name	char	"	Beginning of character string	
			string	ASCII code	Device name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Serial	Serial number	string	00000000 to 99999999	Serial number	
	version	Version	string	XX.XX.XX	Version	
6	End Character	Message end character	binary	0x0d	CR	

4.6.13 Connected Device Limit Setting Change Request

After receiving the Connected Device Limit Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Connected Device Limit Setting Change Request from the host is shown below.

s_connected_limit␣S␣0000␣00␣NC␣1,255.000.000.001,255.000.000.002,255.000.000.003,255.000.000.004,255.000.000.005␣↲

Table 4-130 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_connected_limit		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Device Access permission					
	Restrict Access	Restrict access	string	0	Not permit	
				1	Permit	
	Permission IP1	IP address 1 permitted	string	000.000.000.000 to 255.255.255.255	IP address 1 permitted	
	Permission IP2	IP address 2 permitted	string	000.000.000.000 to 255.255.255.255	IP address 2 permitted	
	Permission IP3	IP address 3 permitted	string	000.000.000.000 to 255.255.255.255	IP address 3 permitted	
	Permission IP4	IP address 4 permitted	string	000.000.000.000 to 255.255.255.255	IP address 4 permitted	
	Permission IP5	IP address 5 permitted	string	000.000.000.000 to 255.255.255.255	IP address 5 permitted	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.14 Connected Device Limit Setting Acquisition Request

After receiving the Connected Device Limit Setting Acquisition Request, the ATDM-0604a sends the connected device restriction settings to the host via Answer.

(1) Get Command

The command format of the Connected Device Limit Setting Acquisition Request from the host is shown below

g_connected_limit␣O␣0000␣00␣NC␣↲

Table 4-131 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_limit		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_connected_limit␣0000␣00␣NC␣1,255.000.000.001,255.000.000.002,255.000.000.003,255.000.000.004,255.000.000.005␣↲

Table 4-132 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_limit		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Device Access permission					
	Restrict Access	Restrict access	string	0	Not use	
				1	Use	
	Permission IP1	IP address 1 permitted	string	000.000.000.000 to 255.255.255.255	IP address 1 permitted	
	Permission IP2	IP address 2 permitted	string	000.000.000.000 to 255.255.255.255	IP address 2 permitted	
	Permission IP3	IP address 3 permitted	string	000.000.000.000 to 255.255.255.255	IP address 3 permitted	
	Permission IP4	IP address 4 permitted	string	000.000.000.000 to 255.255.255.255	IP address 4 permitted	
	Permission IP5	IP address 5 permitted	string	000.000.000.000 to 255.255.255.255	IP address 5 permitted	
6	End Character	Message end character	binary	0x0d	CR	

4.6.15 Audio System Setting Change Request

After receiving the Audio System Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Audio System Setting Change Request from the host is shown below.

s_audio_system␣S␣0000␣00␣NC␣1,2,1,1,4,1,5,5,1,5,5␣↲

Table 4-133 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_audio_system		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Gain Unit Type	Gain unit	string	0	dBu/dBV	
				1	dB	
	Delay Unit Type	Delay unit	string	0	ms	
				1	M	
				2	Ft	
	Output Flip	Output flip setting	string	0	Off	
				1	On	
	Input EQ/DYN	Input Channel EQ/Dyn display setting	string	0	EQ	
				1	Dyn	
	Virtual Mic Mode	Virtual Mic mode	string	0	Off	
				1	ES954	
				4	ES964	
	GPO 1					
	Enabled	GPO enable/disable	string	0	Disable	
				1	Enable	When enabled, Function is set to Array Mic.
	On	Action when set to On	string	0	Close	

No	item			Description	type	value	value description	remarks
						1	Open	
						2	Pulse(short)	
						3	Pulse invert(short)	
						4	Pulse(long)	
						5	Pulse invert(long)	
			Off	Action when set to Off	string	0 to 5		Same as On
		GPO 2						Same as GPO 1
7	End Character			Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.16 Audio System Setting Acquisition Request

After receiving the Audio System Setting Acquisition Request, the ATDM-0604a sends the Audio System settings to the host via Answer.

(1) Get Command

The command format of the Audio System Setting Acquisition Request from the host is shown below

g_audio_system␣O␣0000␣00␣NC␣↲

Table 4-134 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_audio_system		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_audio_system␣0000␣00␣NC␣1,2,1,1,4,1,5,5,1,5,5␣↲

Table 4-135 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_audio_system		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Gain Unit Type	Gain unit	string	0	dBu/dBV	
				1	dB	
	Delay Unit Type	Delay unit	string	0	ms	
				1	M	
				2	Ft	
	Output Flip	Output flip setting	string	0	Off	
				1	On	
	Input EQ/DYN	Input Channel EQ/Dyn display setting	string	0	EQ	
				1	Dyn	
	Virtual Mic Mode	Virtual Mic mode	string	0	Off	
				1	ES954	
				4	ES964	
	GPO 1					
	Enabled	GPO enable/disable	string	0	Disable	
				1	Enable	
	On	Action when set to On	string	0	Close	
				1	Open	
				2	Pulse(short)	
				3	Pulse invert(short)	
				4	Pulse(long)	
				5	Pulse invert(long)	
	Off	Action when set to Off	string	0 to 5		Same as On

No	Item	Description	type	value	value description	remarks
	GPO 2					Same as GPO 1
6	End Character	Message end character	binary	0x0d	CR	

4.6.17 Front Panel Setting Change Request

After receiving the Front Panel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Front Panel Setting Change Request from the host is shown below.

s_front_panel␣S␣0000␣00␣NC␣1,1␣↲

Table 4-136 Command Format

No	item		Description	type	value	value description	remarks
1	Command		Command string	string	s_front_panel		
2	HandShake Select		Sequence execution system	string	S		
3	Device ID		Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID		Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select		Divided message system	string	NC	No divided message	
6	Parameter		Parameter				
		Recall Preset	Preset call setting	string	0	Disable	
					1	Enable	
		LED Dimmer	LED dimmer setting	string	0	Disable	
					1	Enable	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.18 Front Panel Setting Acquisition Request

Front Panel Setting Change Request

After receiving the Front Panel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(3) Set Command

The command format of the Front Panel Setting Change Request from the host is shown below.

s_front_panel␣S␣0000␣00␣NC␣1,1␣↲

Table 4-136 Command Format

No	item	Description	type	value	value description	remarks
8	Command	Command string	string	s_front_panel		
9	HandShake Select	Sequence execution system	string	S		
10	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
11	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
12	Continue Select	Divided message system	string	NC	No divided message	
13	Parameter	Parameter				
	Recall Preset	Preset call setting	string	0	Disable	
				1	Enable	
	LED Dimmer	LED dimmer setting	string	0	Disable	
				1	Enable	
14	End Character	Message end character	binary	0x0d	CR	

(4) ACK/NAK

See Factory Default Setting Request (2).

Front Panel Setting Acquisition RequestAfter receiving the Front Panel Setting Acquisition Request, the ATDM-0604a sends the front panel control settings to the host via Answer.

(1) Get Command

Front Panel Setting Change Request

After receiving the Front Panel Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(5) Set Command

The command format of the Front Panel Setting Change Request from the host is shown below.

s_front_panel␣S␣0000␣00␣NC␣1,1␣↲

Table 4-136 Command Format

No	item	Description	type	value	value description	remarks
15	Command	Command string	string	s_front_panel		
16	HandShake Select	Sequence execution system	string	S		
17	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
18	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
19	Continue Select	Divided message system	string	NC	No divided message	
20	Parameter	Parameter				
	Recall Preset	Preset call setting	string	0	Disable	
				1	Enable	
	LED Dimmer	LED dimmer setting	string	0	Disable	
				1	Enable	
21	End Character	Message end character	binary	0x0d	CR	

(6) ACK/NAK

See Factory Default Setting Request (2).

Front Panel Setting Acquisition RequestThe command format of the Front Panel Setting Acquisition Request from the host is shown below,

g_front_panel␣O␣0000␣00␣NC␣↲

Table 4-137 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_front_panel␣0000␣00␣NC␣1,1␣↲

Table 4-138 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Recall Preset	Preset call setting	string	0	Disable	
				1	Enable	
	LED Dimmer	LED dimmer setting	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.6.19 Front Panel Function Setting Change Request

After receiving the Front Panel Function Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Front Panel Function Setting Change Request from the host is shown below.

s_front_panel_limit␣S␣0000␣00␣NC␣1,1,8,1␣↲

Table 4-139 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_front_panel_limit		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Function	Function	string	0	Level	
	Target	Target	string	0	Input Channel	
				1	Output Channel	
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	When Target is 0
				10	Input ST	
				0 to 1	Output Channel 1 to 2	When Target is 1
				8 or 10	Output ST	
	Enable	Enable/Disable	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.20 Front Panel Function Setting Acquisition Request

After receiving the Front Panel Function Setting Acquisition Request, the ATDM-0604a sends the front panel control settings to the host via Answer.

(1) Get Command

The command format of the Front Panel Function Setting Acquisition Request from the host is shown below

g_front_panel_limit␣O␣0000␣00␣NC␣1,1,8␣↲

Table 4-140 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel_limit		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Function	Function	string	0	Level	
				1	Mute	
	Target	Target	string	0	Input Channel	
				1	Output Channel	
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	When Target is 0
				10	Input ST	
				0 to 1	Output Channel 1 to 2	When Target is 1
				8 or 10	Output ST	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_front_panel_␣0000␣00␣NC␣1,1,8,1␣↲

Table 4-141 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Function	Function	string	0	Level	
				~~1~~	~~Mute~~	Not used
	Target	Target	string	0	Input Channel	
				1	Output Channel	
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	When Target is 0
				10	Input ST	
				0 to 1	Output Channel 1 to 2	When Target is 1
				8 or 10	Output ST	
	Enable	Enable/Disable	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.6.21 Log Setting Change Request

After receiving the Log Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Log Setting Change Request from the host is shown below.

s_log␣S␣0000␣00␣NC␣1,2␣↲

Table 4-142 Command Format

No	item		Description	type	value	value description	remarks
1	Command		Command string	string	s_log		
2	HandShake Select		Sequence execution system	string	S		
3	Device ID		Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID		Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select		Divided message system	string	NC	No divided message	
6	Parameter		Parameter				
		Enabled	Log output	string	0	Disable	
					1	Enable	
		Output destination	Output destination	string	0	Internal	
					2	Syslog	
7	End Character		Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.22 Log Setting Acquisition Request

After receiving the Log Setting Acquisition Request, the ATDM-0604a sends the log settings to the host via Answer.

(1) Get Command

The command format of the Log Setting Acquisition Request from the host is shown below.

g_log␣O␣0000␣00␣NC␣↲

Table 4-143 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_log		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_log␣0000␣00␣NC␣1,2␣↲

Table 4-144 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_log		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Enabled	Log output	string	0	Disable	
				1	Enable	
	Output destination	Output destination	string	0	Internal	
				2	Syslog	
6	End Character	Message end character	binary	0x0d	CR	

4.6.23 Preset Call Request

After receiving the Preset Call Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Call Request from the host is shown below.

call_preset␣S␣0000␣00␣NC␣6␣↲

Table 4-145 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	call_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.24 Preset Save Request

After receiving the Preset Save Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Save Request from the host is shown below.

save_preset␣S␣0000␣00␣NC␣6␣↲

Table 4-146 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	save_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.25 Preset Bank Name Change Request

After receiving the Preset Bank Name Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Bank Name Change Request from the host is shown below.

s_name_bank␣S␣0000␣00␣NC␣1,”preset 1”␣↲

Table 4-147 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_name_bank		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
	Name	Bank name	char	"	Beginning of character string	
			string	ASCII code	Bank name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.26 Preset Bank Name Acquisition Request

After receiving the Preset Bank Name Acquisition Request, the ATDM-0604a sends the Preset Bank Name Acquisition Request to the host via Answer.

(1) Get Command

The command format of the Preset Bank Name Acquisition Request from the host is shown below.

g_name_bank␣O␣0000␣00␣NC␣↲

Table 4-148 Command Format

No	item	Description	type	Value	value description	remarks
1	Command	Command string	string	g_name_bank		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_name_bank␣0000␣00␣CS␣1,”preset 1”␣↲

g_name_bank␣0000␣00␣CM␣2,”preset 2”␣↲

•
•
•

g_name_bank␣0000␣00␣CM␣5,”preset 5”␣↲

g_name_bank␣0000␣00␣CE␣6,”preset 6”␣↲

Table 4-149 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_name_bank		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
	Name	Bank name	char	"	Beginning of character string	
			string	ASCII code	Bank name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
6	End Character	Message end character	binary	0x0d	CR	

4.6.27 Boot Up Preset Setting Change Request

After receiving the Boot Up Preset Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Boot Up Preset Setting Change Request from the host is shown below.

s_bootup_preset␣S␣0000␣00␣NC␣0␣↲

Table 4-150 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_bootup_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	String	0	Not select	
				1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.28 Boot Up Preset Setting Acquisition Request

After receiving the Boot Up Preset Setting Acquisition Request, the ATDM-0604a sends the log settings to the host via Answer.

(1) Get Command

The command format of the Boot Up Preset Setting Acquisition Request from the host is shown below.

g_bootup_preset␣O␣0000␣00␣NC␣↲

Table 4-151 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_bootup_preset␣0000␣00␣NC␣0␣↲

Table 4-152 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Bank Number	Bank number	string	0	Not select	
				1 to 6	Bank 1 to 6	
6	End Character	Message end character	binary	0x0d	CR	

4.6.29 Preset Common Setting Change Request

After receiving the Preset Common Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Common Setting Change Request from the host is shown below.

s_preset_general␣S␣0000␣00␣NC␣1␣↲

Table 4-153 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_preset_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Preset Recall Link	Preset interlock	string	0	Off	
				1	On	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.30 Preset Common Setting Acquisition Request

After receiving the Preset Common Setting Acquisition Request, the ATDM-0604a sends the log settings to the host via Answer.

(1) Get Command

The command format of the Preset Common Setting Acquisition Request from the host is shown below.

g_preset_general␣O␣0000␣00␣NC␣↲

Table 4-154 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_preset_general␣0000␣00␣NC␣1␣↲

Table 4-155 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Preset Recall Link	Preset interlock	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.6.31 File Transfer Request

After receiving the File Transfer Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the File Transfer Request from the host is shown below.

file_transfer␣S␣0000␣00␣CS␣p1,00000400,1024,[binary data]␣↲

file_transfer␣S␣0000␣00␣CM␣p1,00000800,1024,[binary data]␣↲

•
•
•

file_transfer␣S␣0000␣00␣CM␣p1,00001000,1024,[binary data]␣↲

file_transfer␣S␣0000␣00␣CE␣p1,00001400,256,[binary data]␣↲

Table 4-156 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	file_transfer		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
	File Offset	Offset	string	00000000 to FFFFFFFF	Specify the offset in the transfer file with HEX. Do not add "0x". A value obtained with ftell (FILE*)	
	Size	Size	string	0001 to 1024	Specify the number of bytes of transfer data with DEC.	
	Data	Transfer data	binary	-	Specify the transfer data with a binary number.	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.32 File Transfer Cancel Request

After receiving the File Transfer Cancel Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the File Transfer Cancel Request from the host is shown below.

file_transfer_cancel␣S␣0000␣00␣NC␣p1␣↲

Table 4-157 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	file_transfer_cancel		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.33 Export Request

After receiving the Export Request, the ATDM-0604a sends data specified by ACK or NAK to the host.

(1) Get Command

The command format of the Export Request from the host is shown below.

export␣O␣0000␣00␣NC␣p1␣↲

Table 4-158 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	export		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

export␣0000␣00␣CS␣p1,00000400,1024,[binary data]␣↲

export␣0000␣00␣CM␣p1,00000800,1024,[binary data]␣↲

・
・
・

export␣0000␣00␣CM␣p1,00001000,1024,[binary data]␣↲

export␣0000␣00␣CE␣p1,00001400,256,[binary data]␣↲

Table 4-159 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	export		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
	File Offset	Offset	string	00000000 to FFFFFFFF	Specify the offset in the transfer file with HEX. Do not add "0x". A value obtained with ftell (FILE*)	
	Size	Size	string	0001 to 1024	Specify the number of bytes of transfer data with DEC.	
	Data	Transfer data	binary	-	Specify the transfer data with a binary number.	
6	End Character	Message end character	binary	0x0d	CR	

4.6.34 Import Request

After receiving the Import Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

After Import Request, for the transfer data, the File Transfer Request command is used.

(1) Set Command

The command format of the Import Request from the host is shown below.

import␣S␣0000␣00␣NC␣p1␣↲

Table 4-160 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	import		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.35 Level Meter Notification Interval Setting Change Request

After receiving the Level Meter Notification Interval Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Get Command

The command format of the Level Meter Notification Interval Setting Change Request from the host is shown below.

s_level_meter_interval␣S␣0000␣00␣NC␣1000␣↲

Table 4-161 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_level_meter_interval		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Interval	Notification interval	string	100 or more	msec	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.36 Level Meter Notification Interval Setting Acquisition Request

After receiving the Level Meter Notification Interval Setting Acquisition Request, the ATDM-0604a sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the Level Meter Notification Interval Setting Acquisition Request from the host is shown below.

g_level_meter_interval␣O␣0000␣00␣NC␣↲

Table 4-162 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter_interval		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter		-	-	No
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_level_meter_interval␣0000␣00␣NC␣1000␣↲

Table 4-163 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter_interval		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Interval	Notification interval	string	100 or more	msec	
6	End Character	Message end character	binary	0x0d	CR	

4.6.37 Level Meter Acquisition Request

After receiving the Level Meter Acquisition Request, the ATDM-0604a sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the Level Meter Acquisition Request from the host is shown below.

g_level_meter␣O␣0000␣00␣NC␣23␣↲

Table 4-164 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Monitor Point	Monitor point	string	0 to 23	Level 0 to Level 23	See 5.2.1.
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_level_meter␣0000␣00␣NC␣23,10␣↲

Table 4-165 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Monitor Point	Monitor point	string	0 to 23	Level 0 to Level 23	See 5.2.1.
	Level	Level	string	0 to 61	Level	The range depends on the monitor point
6	End Character	Message end character	binary	0x0d	CR	

4.6.38 Identify Request

After receiving the Identify Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Identify Request from the host is shown below.

identify␣S␣0000␣00␣NC␣↲

Table 4-166 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	identify		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.39 Date Setting Request

After receiving the Date Setting Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Date Setting Request from the host is shown below.

s_date␣S␣0000␣00␣NC␣20211214145000␣↲

Table 4-167 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_date		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Timestamp	Timestamp	string	YYYYMMDDHHMMSS	Date (four-digit year)	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.40 Reboot Request

After receiving Reboot Request, the ATDM-0604a performs self-reboot.

(1) Set Command

The command format of the Reboot Request from the host is shown below.

reboot␣S␣0000␣00␣NC␣↲

Table 4-168 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	reboot		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.41 Device ID Acquisition Request

After receiving the Device ID Acquisition Request, the ATDM-0604a sends the header color settings to the host via Answer.

(3) Get Command

The command format of the Device ID Acquisition Request from the host is shown below

g_deviceid␣O␣0000␣00␣NC␣↲

Table 4-169 Command Format

No	item	Description	type	value	value description	remarks
8	Command	Command string	string	g_deviceid		
9	HandShake Select	Sequence execution system	string	O		
10	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
11	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
12	Continue Select	Divided message system	string	NC	No divided message	
13	Parameter	Parameter	-	-	No parameter	
14	End Character	Message end character	binary	0x0d	CR	

(4) Answer

The Answer command format from the ATDM-0604a is shown below

g_deviceid␣0000␣00␣NC␣08␣↲

Table 4-170 Answer Command Format

No	item	Description	type	value	value description	remarks
7	Command	Command string	string	g_deviceid		
8	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
9	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
10	Continue Select	Divided message system	string	NC	No divided message	
11	Parameter	Parameter				
	Device ID	Device ID	string	00 to FF	Device ID	
12	End Character	Message end character	binary	0x0d	CR	

4.6.42 Preset Number Acquisition Request

After receiving the Preset Number Acquisition Request, the ATDM-0604a sends the preset bank number to the host via Answer.

(1) Get Command

The command format of the Preset Number Acquisition Request from the host is shown below

g_preset_number␣O␣0000␣00␣NC␣↲

Table 4-171 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_number		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_preset_number ␣0000␣00␣NC␣6␣↲

Table 4-172 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_number		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
6	End Character	Message end character	binary	0x0d	CR	

4.6.43 Partial Preset Call Request

After receiving the Partial Preset Call Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Partial Preset Call Request from the host is shown below.

call_partial_preset␣S␣0000␣00␣NC␣40␣↲

Table 4-173 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	call_partial_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.44 Partial Preset Number Acquisition Request

After receiving the Partial Preset Number Acquisition Request, the ATDM-0604a sends the partial preset number to the host via Answer.

(1) Get Command

The command format of the Partial Preset Number Acquisition Request from the host is shown below

g_partial_preset_number␣O␣0000␣00␣NC␣↲

Table 4-174 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_partial_preset_number		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_preset_number ␣0000␣00␣NC␣40␣↲

Table 4-175 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_partial_preset_number		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
6	End Character	Message end character	binary	0x0d	CR	

4.6.45 IP Command Compatibility Setting Change Request

After receiving the IP Command Compatibility Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the IP Command Compatibility Setting Change Request from the host is shown below.

ZIDIP␣S␣0000␣00␣NC␣1␣↲

Table 4-176 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	ZIDIP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 Action Command Format.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 Action Command Format.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Type	Header type	string	0	Use Device ID/Unit ID	
				1	Use Model ID/Device ID	Old system Model ID: 0000 (fixed) Device ID: 00 to FF
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.46 GPO Setting Change Request

After receiving the GPO Setting Change Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Get Command

The command format of the GPO Setting Change Request from the host is shown below.

s_gpo_setting␣S␣0000␣00␣NC␣1,17,”gpo1”,5,5,1,17,”gpo2”,5,5␣↲

Table 4-177 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_gpo_setting		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 Action Command Format.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 Action Command Format.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	GPO1					
	Enable	Enable/Disable	string	0	Disable	
				1	Enable	
	Function	Function	string	0	Array Mic	
				1	GPO	
				2 to 9	Fader 1 to Fader 8	
				10 to 17	Fader Mute 1 to Fader Mute 8	
	Text	Display name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	On	Action when set to On	string	0	Close	

No	item	Description	type	value	value description	remarks
				1	Open	
				2	Pulse(short)	
				3	Pulse invert(short)	
				4	Pulse(long)	
				5	Pulse invert(long)	
	Off			0 to 5		Same as On
	GPO2					Same as GPO 1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.47 GPO Setting Acquisition Request

After receiving the GPO Setting Acquisition Request, the ATDM-0604a sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the GPO Setting Acquisition Request from the host is shown below.

g_gpo_setting␣O␣0000␣00␣NC␣↲

Table 4-178 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_gpo_setting		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 Action Command Format.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 Action Command Format.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter		-	-	No
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a.

g_gpo_setting␣0000␣00␣NC␣1,17,”gpo1”,5,5,1,17,”gpo2”,5,5␣↲

Table 4-179 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_gpo_setting		
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	GPO1					
	Enable	Enable/Disable	string	0	Disable	
				1	Enable	
	Function	Function	string	0	Array Mic	
				1	GPO	
				2 to 9	Fader 1 to Fader 8	
				10 to 17	Fader Mute 1 to Fader Mute 8	
	Text	Display name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	On	Action when set to On	string	0	Close	
				1	Open	
				2	Pulse(short)	
				3	Pulse invert(short)	
				4	Pulse(long)	
				5	Pulse invert(long)	
	Off			0 to 5		Same as On

No	item	Description	type	value	value description	remarks
	GPO2					Same as GPO 1
6	End Character	Message end character	binary	0x0d	CR	

4.7 Device Connection Command Details

4.7.1 Connected Device Status Acquisition Request

After receiving the Connected Device Status Acquisition Request, the ATDM-0604a sends the connected device status to the host via Answer.

(1) Get Command

The command format of the Connected Device Status Acquisition Request from the host is shown below.

g_peripheral_status␣O␣0000␣00␣NC␣↲

Table 4-180 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 Action Command Format.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 Action Command Format.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

The Answer command format from the ATDM-0604a is shown below

g_peripheral_status␣0000␣00␣NC␣4,0,0,0,10,10,0,0,7,7,0,0␣↲

Table 4-181 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 Setting Status Return Command Format.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 Setting Status Return Command Format.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	ATCP	Number of ATCP units				
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	ATND					Same as ATCP
	ESW					Same as ATCP
6	End Character	Message end character	binary	0x0d	CR	

4.7.2 Connected Device Information Acquisition Request

After receiving the Connected Device Information Acquisition Request, the ATDM-0604a sends the connected device information to the host via Answer.

(1) Get Command

The command format of the Connected Device Information Acquisition Request from the host is shown below.

- When acquiring all

g_peripheral_info␣O␣0000␣00␣NC␣␣↲

- When acquiring devices with specific unit ID

g_peripheral_info␣O␣0000␣00␣NC␣C0,␣↲

- When acquiring specified device

g_peripheral_info␣O␣0000␣00␣NC␣C0,99999999␣↲

Table 4-182 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_info		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 Action Command Format.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 Action Command Format.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				Can be omitted
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
7	End Character	Message end character	binary	0x0d	CR	

(1)

(2) Answer

Refer to the table below for Answer Command format from the ATDM-0604a. When parameter is omitted in the request, response will be made for the number of corresponding pieces of information.

- When one response is made

g_peripheral_info␣0000␣00␣NC␣C0,99999999,"",01.00.00,1,B001,00000000000a,999␣↲

- When multiple responses are made

g_peripheral_info␣0000␣00␣CS␣80,1,"",01.00.00,1,A001,000000000001,␣↲

g_peripheral_info␣0000␣00␣CM␣81,2,"",01.00.00,1,A002,000000000002,␣↲

g_peripheral_info␣0000␣00␣CM␣C1,1,"ATND1061",01.00.00,1,A003,000000000002,1␣↲

…

g_peripheral_info␣0000␣00␣CE␣C0,99999999,"",01.00.00,1,B001,00000000000a,999␣↲

Table 4-183 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_info		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 Setting Status Return Command Format.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 Setting Status Return Command Format.	
4	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device Name	Name	string	"	Beginning of character string	
				UTF-8	10 characters	To contain double quotation marks ("), they are set in

No	item	Description	type	value	value description	remarks
						succession like "".
				"	End of character string	
	version	Version	string	XX.XX.XX	Version	
	Connect Status	Connection status	string	0	Not connected	
				1	Connected	
	Topology Number	Topology number	string	A001 to B999	Connected port and topology number information	
	MAC Address	MAC address	string	XXXXXXYYYYYY	MAC address	
	Device ID	Device ID	string	0 to 999	Device ID of the connected device	
6	End Character	Message end character	binary	0x0d	CR	

4.7.3 Connected Device's Device ID Setting Request

After receiving the Connected Device's Device ID Setting Request, the ATDM-0604a sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Connected Device's Device ID Setting Request from the host is shown below.

s_peripheral_deviceid␣S␣0000␣00␣NC␣C0,99999999,999,1␣↲

Table 4-184 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_peripheral_deviceid		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device ID	Device ID	string	0 to 999	Device ID	
	Check	Duplicate check	string	0	No duplicate check	
				1	Duplicate check performed	1 if omitted
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

5 UDP Communications

The information (status change notification) from the ATDM-0604a is sent via UDP protocol.

5.1 Communication Control

For details on the communication control flow, see Chapter 4.1.

5.1.1 Communication Start

The host registers groups to the multicast address.

Table 5-1 Communication Control Parameters

No	Name	Default Setting	Remarks
1.	IPAddress	239.000.000.100	Multicast address
2.	Port No	17000	

5.1.2 Control Sequence

5.1.2.1 Information

If the ATDM-0604a status changes, a status change notification is sent.

<Example> The sequence of Open Channel State Notice is shown below.

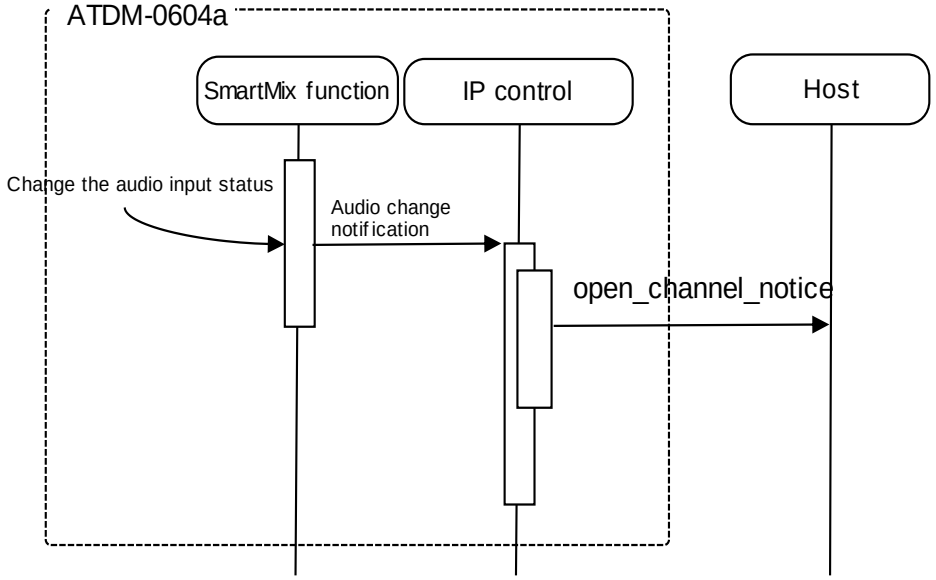

Figure 5-1 Information Command Processing Sequence

5.1.3 Communication Errors

For details on the sequence for transmission errors, see 4.1.3.1.

5.1.4 Communication End

The host can unregister groups at any timing.

5.2 Command Details

5.2.1 Level Meter Notification

Level Meter Notification is sent by ATDM-0604a regularly.
It is reported at the interval set in the Level Meter Notification Interval Setting Change Request. (The default is 100 msec.)
It is not sent when IP Control Setting-Audio Level Notification is 0 (not used) in the network setting.

MD␣level_meter
_notice␣0000␣00␣NC␣61,61,61,61,61,61,61,61,61,61,61,61,60,60,60,60,60,60,15,
15,15,15,15,15␣↲

Table 5-2 Command Format

No	item	Description	Type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	level_meter_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Post Fader Meter					
	Level 0	Input 1	string	0 to 61	Level of Input 1	
	Level 1	Input 2	string	0 to 61	Level of Input 2	
	Level 2	Input 3	string	0 to 61	Level of Input 3	
	Level 3	Input 4	string	0 to 61	Level of Input 4	
	Level 4	Input 5	string	0 to 61	Level of Input 5	
	Level 5	Input 6	string	0 to 61	Level of Input 6	
	Level 6	Input ST L	string	0 to 61	Level of Input ST L	
	Level 7	Input ST R	string	0 to 61	Level of Input ST R	
	Level 8	Output 1	string	0 to 61	Level of Output 1	
	Level 9	Output 2	string	0 to 61	Level of Output 2	

No	item			Description	Type	value	value description	remarks
			Level 10	Output ST L	string	0 to 61	Level of Output ST L	
			Level 11	Output ST R	string	0 to 61	Level of Output ST R	
		AEC(ERL) Meter						
			Level 12	Input 1	string	0 to 60	Level of Input 1	
			Level 13	Input 2	string	0 to 60	Level of Input 2	
			Level 14	Input 3	string	0 to 60	Level of Input 3	
			Level 15	Input 4	string	0 to 60	Level of Input 4	
			Level 16	Input 5	string	0 to 60	Level of Input 5	
			Level 17	Input 6	string	0 to 60	Level of Input 6	
		Gainshare Meter						
			Level 18	Input 1	string	0 to 15	Level of Input 1	
			Level 19	Input 2	string	0 to 15	Level of Input 2	
			Level 20	Input 3	string	0 to 15	Level of Input 3	
			Level 21	Input 4	string	0 to 15	Level of Input 4	
			Level 22	Input 5	string	0 to 15	Level of Input 5	
			Level 23	Input 6	string	0 to 15	Level of Input 6	
7	End Character			Message end character	binary	0x0d	CR	

5.2.2 Open Channel State Notice

When Smart Mix is set to Enable and the Active information is changed from the ATDM-0604a, an Open Channel State Notice will be sent.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣open_channel_notice␣0000␣00␣NC␣5,1␣↲

Table 5-3 Command Format

No	item	Description	Type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	open_channel_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
	Status	Open state	string	0	Close	
				1	Open	
7	End Character	Message end character	binary	0x0d	CR	

5.2.3 Can Cut Notice

When Smart Mix is set to Gate and the Priority and Can Cut information is changed from the ATDM-0604a, a Can Cut Status Notice will be sent.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣cancut_notice␣0000␣00␣NC␣0,0,0,0,0,0,0,0,0,0␣↲

Table 5-4 Command Format

No	item	Description	Type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	cancut_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel 1	Input 1	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON
	Input Channel 2	Input 2	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON
	Input Channel 3	Input 3	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON
	Input Channel 4	Input 4	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON
	Input Channel 5	Input 5	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON

No	item	Description	Type	Value	value description	remarks
	Input Channel 6	Input 6	string	0	Off	Either Priority or Cancut is OFF
				1	On	Both Priority and Cancut are ON
7	End Character	Message end character	binary	0x0d	CR	

5.2.4 Input Gain/Level Setting Notice

Input Gain/Level Setting Notice is sent when the ATDM-0604a changes the gain/level settings of the input channel.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣input_gain_level_notice␣0000␣00␣NC␣10,40,40,511,1␣↲

Table 5-5 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	input_gain_level_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 5	Input Channel 1 to 6	
				10	Input ST	
	gain					
	Mic	Mic gain	string	0 to 40	+20dB to +60dB	See 6.5 Input Gain Table.
	Line	Line gain	string	0 to 40	-20dBu to -60dBu	See 6.5 Input Gain Table.
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

5.2.5 Output Level Setting Notice

Output Level Setting Notice is sent when the ATDM-0604a changes the level settings of the output channel.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣output_level_notice␣0000␣00␣NC␣10,511␣↲

Table 5-6 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	output_level_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				10	Output ST	
	Level	Level	string	0 to 511	-120dB to +10dB	See 6.1 Fader Table.
7	End Character	Message end character	binary	0x0d	CR	

5.2.6 Output Mute Setting Notice

Output Mute Setting Notice is sent when the ATDM-0604a changes the mute settings of the output channel.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣output_mute_notice␣0000␣00␣NC␣10,1␣↲

Table 5-7 Command Format

No	item	Description	type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	output_mute_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 1	Output Channel 1 to 2	
				10	Output ST	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

5.2.7 FBS Notice

When howling is detected by FBS from the ATDM-0604a, an FBS Notice will be sent.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣fbs_notice␣0000␣00␣NC␣

21,3,1,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31,1,480,72,31␣↲

Table 5-8 Command Format

No	item	Description	type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	fbs_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Channel Select	Channel select	string	0 to 5	Input Channel 1 to 6	
				12 to 13	Output Channel 1 to 2	
				20	Output ST L	
				21	Output ST R	
	Processing Type	Processing type	string	0	Reset	
				1	All Static	
				2	Copy to EQ	Only Output Channel
				3	Band Setting	
	Enable	Enable/Disable	string	0	Off	
				1	On	
	Band1					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					

No	item	Description	type	Value	value description	remarks
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band4					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band5					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band6					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band7					
	Static	Static select	string	0	Off	
				1	On(static)	
	Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band8					
	Static	Static select	string	0	Off	

No	item			Description	type	Value	value description	remarks
						1	On(static)	
			Frequency	Frequency	string	0 to 480	20Hz to 20kHz	See 6.2 Frequency Table.
			Gain	Gain	string	0 to 72	-18dB to +18dB	See 6.4 EQ Gain Table.
			Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
7	End Character			Message end character	binary	0x0d	CR	

5.2.8 Operator Page Channel Setting Notification

Operator Page Channel Setting Notification is sent when the ATDM-0604a changes the level settings of the page for an operator.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣operator_channel_notice␣0000␣00␣NC␣8,100,1,1␣↲

Table 5-9 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	operator_channel_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Level	Level	string	0 to 100	0 to 100	1.0step
	Mute	Mute	string	0	No Mute	
				1	Mute	
	Page1	Page	string	1	Page1	
7	End Character	Message end character	binary	0x0d	CR	

5.2.9 Array Mic Mute Status Notice

Array Mic Mute Status Notice is sent when the ATDM-0604a changes the Mute state of Array Mic.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣arraymic_mute_notice␣0000␣00␣NC␣1,1␣↲

Table 5-10 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	arraymic_mute_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mute	Mute	string	0	No mute	
				1	Mute	
	Virtual Mic	Virtual Mic	string	0	Virtual Mic	
7	End Character	Message end character	binary	0x0d	CR	

5.2.10 Recording Status Notification

Recording Status Notification is sent when the ATDM-0604a changes the recording state.
It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣rec_status_notice␣0000␣00␣NC␣1␣↲

Table 5-11 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	rec_status_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Recorder Status	Recorder status	string	0	Stopped	
				1	Recording	
				2	Recording paused	
				3	Replaying	
				4	Replaying paused	
7	End Character	Message end character	binary	0x0d	CR	

5.2.11 Preset Call Notification

Preset Call Notification is sent when the ATDM-0604a calls preset.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣recall_preset_notice␣0000␣00␣NC␣6␣↲

Table 5-12 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	recall_preset_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 6	Bank 1 to 6	
7	End Character	Message end character	binary	0x0d	CR	

5.2.12 Partial Preset Call Notification

Partial Preset Call Notification is sent when the ATDM-0604a calls partial preset.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD␣recall_partial_preset_notice␣0000␣00␣NC␣40␣↲

Table 5-13 Command Format

No	item	Description	type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	recall_partial_preset_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

5.2.13 IP Control Start Notification

IP Control Start Notification is sent when IP Control is enabled after power up.

MD␣ip_control_start_notice␣0000␣00␣NC␣1␣↲

Table 5-11 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	ip_control_start_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	Start	Start flag	string	1	Start flag	
7.	End Character	Message end character	binary	0x0d	CR	

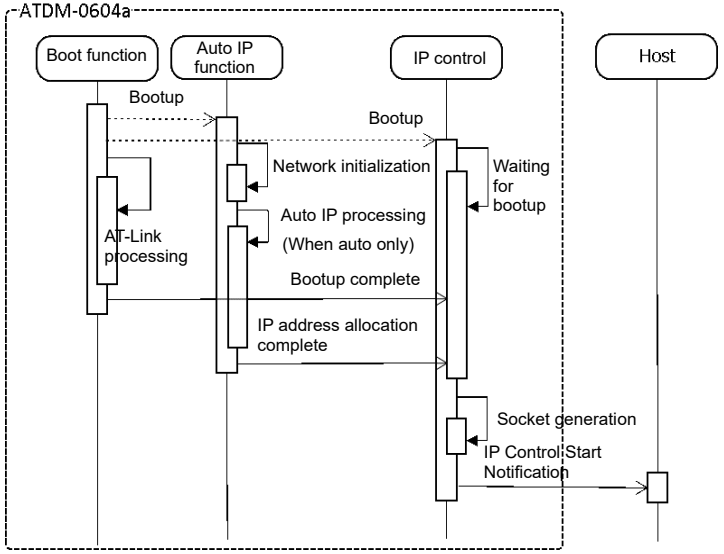

Figure 5-2 IP Control Start Notification Processing Sequence

5.2.14 Connected Device Status Notification

Connected Device Status Notification is sent when there is a change in the connected peripheral device.

MD␣peripheral_status_notice␣0000␣00␣NC␣4,0,0,0,10,10,0,0,7,7,0,0␣↲

Table 5-14 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	peripheral_status_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	ATCP	Number of ATCP units				
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	ATND					Same as ATCP
	ESW					Same as ATCP
7.	End Character	Message end character	binary	0x0d	CR	

5.2.15 Connected Device Information Notification

Connected Device Information Notification is sent when there is a change in the connected peripheral device.

MD␣peripheral_info_notice␣0000␣00␣NC␣C0,99999999,"",01.00.00,1,B001,00000000000a,999␣↲

Table 5-15 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	peripheral_info_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device Name	Name	string	"	Beginning of character string	
				UTF-8	10 characters	To contain double quotation marks ("), they are set in succession like "".
				"	End of character string	
	version	Version	string	XX.XX.XX	Version	
	Connect Status	Connection status	string	0	Not connected	
				1	Connected	
	Topology Number	Topology number	string	A001 to D999	Connected port and topology number information	
	MAC Address	MAC address	string	XXXXXXYYYYYY	MAC address	
	Device ID	Device ID	string	0 to 999	Device ID of the connected device	
7.	End Character	Message end character	binary	0x0d	CR	

5.2.16 GPO Control Notification

GPO Control Notification is sent when the GPO Switch is changed.

MD␣gpo_action_notice␣0000␣00␣NC␣1,1␣↲

Table 5-16 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	peripheral_status_notice		
3.	Device ID	Individual number	string	0000 to FFFF	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	Kind	Distinction between GPO Switch 1 or 2	string	0	GPO Switch 1	
				1	GPO Switch 2	
	Action	Action	string	0	Off	
				1	On	
7.	End Character	Message end character	binary	0x0d	CR	

6 Appendix

6.1 Fader Table

Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]
0	-Infinity	64	-63.5	128	-36.6	192	-23.8	256	-15.5	320	-9.1	384	-2.7	448	3.7
1	-120.0	65	-63.0	129	-36.4	193	-23.6	257	-15.4	321	-9.0	385	-2.6	449	3.8
2	-118.0	66	-62.5	130	-36.2	194	-23.4	258	-15.3	322	-8.9	386	-2.5	450	3.9
3	-116.0	67	-62.0	131	-36.0	195	-23.2	259	-15.2	323	-8.8	387	-2.4	451	4.0
4	-114.0	68	-61.5	132	-35.8	196	-23.0	260	-15.1	324	-8.7	388	-2.3	452	4.1
5	-112.0	69	-61.0	133	-35.6	197	-22.8	261	-15.0	325	-8.6	389	-2.2	453	4.2
6	-110.0	70	-60.5	134	-35.4	198	-22.6	262	-14.9	326	-8.5	390	-2.1	454	4.3
7	-108.0	71	-60.0	135	-35.2	199	-22.4	263	-14.8	327	-8.4	391	-2.0	455	4.4
8	-106.0	72	-59.5	136	-35.0	200	-22.2	264	-14.7	328	-8.3	392	-1.9	456	4.5
9	-104.0	73	-59.0	137	-34.8	201	-22.0	265	-14.6	329	-8.2	393	-1.8	457	4.6
10	-102.0	74	-58.5	138	-34.6	202	-21.8	266	-14.5	330	-8.1	394	-1.7	458	4.7
11	-100.0	75	-58.0	139	-34.4	203	-21.6	267	-14.4	331	-8.0	395	-1.6	459	4.8
12	-99.0	76	-57.5	140	-34.2	204	-21.4	268	-14.3	332	-7.9	396	-1.5	460	4.9
13	-98.0	77	-57.0	141	-34.0	205	-21.2	269	-14.2	333	-7.8	397	-1.4	461	5.0
14	-97.0	78	-56.5	142	-33.8	206	-21.0	270	-14.1	334	-7.7	398	-1.3	462	5.1
15	-96.0	79	-56.0	143	-33.6	207	-20.8	271	-14.0	335	-7.6	399	-1.2	463	5.2
16	-95.0	80	-55.5	144	-33.4	208	-20.6	272	-13.9	336	-7.5	400	-1.1	464	5.3
17	-94.0	81	-55.0	145	-33.2	209	-20.4	273	-13.8	337	-7.4	401	-1.0	465	5.4
18	-93.0	82	-54.5	146	-33.0	210	-20.2	274	-13.7	338	-7.3	402	-0.9	466	5.5
19	-92.0	83	-54.0	147	-32.8	211	-20.0	275	-13.6	339	-7.2	403	-0.8	467	5.6
20	-91.0	84	-53.5	148	-32.6	212	-19.9	276	-13.5	340	-7.1	404	-0.7	468	5.7
21	-90.0	85	-53.0	149	-32.4	213	-19.8	277	-13.4	341	-7.0	405	-0.6	469	5.8
22	-89.0	86	-52.5	150	-32.2	214	-19.7	278	-13.3	342	-6.9	406	-0.5	470	5.9
23	-88.0	87	-52.0	151	-32.0	215	-19.6	279	-13.2	343	-6.8	407	-0.4	471	6.0
24	-87.0	88	-51.5	152	-31.8	216	-19.5	280	-13.1	344	-6.7	408	-0.3	472	6.1
25	-86.0	89	-51.0	153	-31.6	217	-19.4	281	-13.0	345	-6.6	409	-0.2	473	6.2
26	-85.0	90	-50.5	154	-31.4	218	-19.3	282	-12.9	346	-6.5	410	-0.1	474	6.3
27	-84.0	91	-50.0	155	-31.2	219	-19.2	283	-12.8	347	-6.4	411	0.0	475	6.4
28	-83.0	92	-49.5	156	-31.0	220	-19.1	284	-12.7	348	-6.3	412	0.1	476	6.5
29	-82.0	93	-49.0	157	-30.8	221	-19.0	285	-12.6	349	-6.2	413	0.2	477	6.6
30	-81.0	94	-48.5	158	-30.6	222	-18.9	286	-12.5	350	-6.1	414	0.3	478	6.7
31	-80.0	95	-48.0	159	-30.4	223	-18.8	287	-12.4	351	-6.0	415	0.4	479	6.8
32	-79.5	96	-47.5	160	-30.2	224	-18.7	288	-12.3	352	-5.9	416	0.5	480	6.9
33	-79.0	97	-47.0	161	-30.0	225	-18.6	289	-12.2	353	-5.8	417	0.6	481	7.0
34	-78.5	98	-46.5	162	-29.8	226	-18.5	290	-12.1	354	-5.7	418	0.7	482	7.1
35	-78.0	99	-46.0	163	-29.6	227	-18.4	291	-12.0	355	-5.6	419	0.8	483	7.2
36	-77.5	100	-45.5	164	-29.4	228	-18.3	292	-11.9	356	-5.5	420	0.9	484	7.3
37	-77.0	101	-45.0	165	-29.2	229	-18.2	293	-11.8	357	-5.4	421	1.0	485	7.4
38	-76.5	102	-44.5	166	-29.0	230	-18.1	294	-11.7	358	-5.3	422	1.1	486	7.5
39	-76.0	103	-44.0	167	-28.8	231	-18.0	295	-11.6	359	-5.2	423	1.2	487	7.6
40	-75.5	104	-43.5	168	-28.6	232	-17.9	296	-11.5	360	-5.1	424	1.3	488	7.7
41	-75.0	105	-43.0	169	-28.4	233	-17.8	297	-11.4	361	-5.0	425	1.4	489	7.8
42	-74.5	106	-42.5	170	-28.2	234	-17.7	298	-11.3	362	-4.9	426	1.5	490	7.9
43	-74.0	107	-42.0	171	-28.0	235	-17.6	299	-11.2	363	-4.8	427	1.6	491	8.0
44	-73.5	108	-41.5	172	-27.8	236	-17.5	300	-11.1	364	-4.7	428	1.7	492	8.1
45	-73.0	109	-41.0	173	-27.6	237	-17.4	301	-11.0	365	-4.6	429	1.8	493	8.2
46	-72.5	110	-40.5	174	-27.4	238	-17.3	302	-10.9	366	-4.5	430	1.9	494	8.3
47	-72.0	111	-40.0	175	-27.2	239	-17.2	303	-10.8	367	-4.4	431	2.0	495	8.4
48	-71.5	112	-39.8	176	-27.0	240	-17.1	304	-10.7	368	-4.3	432	2.1	496	8.5
49	-71.0	113	-39.6	177	-26.8	241	-17.0	305	-10.6	369	-4.2	433	2.2	497	8.6
50	-70.5	114	-39.4	178	-26.6	242	-16.9	306	-10.5	370	-4.1	434	2.3	498	8.7
51	-70.0	115	-39.2	179	-26.4	243	-16.8	307	-10.4	371	-4.0	435	2.4	499	8.8
52	-69.5	116	-39.0	180	-26.2	244	-16.7	308	-10.3	372	-3.9	436	2.5	500	8.9
53	-69.0	117	-38.8	181	-26.0	245	-16.6	309	-10.2	373	-3.8	437	2.6	501	9.0
54	-68.5	118	-38.6	182	-25.8	246	-16.5	310	-10.1	374	-3.7	438	2.7	502	9.1
55	-68.0	119	-38.4	183	-25.6	247	-16.4	311	-10.0	375	-3.6	439	2.8	503	9.2
56	-67.5	120	-38.2	184	-25.4	248	-16.3	312	-9.9	376	-3.5	440	2.9	504	9.3
57	-67.0	121	-38.0	185	-25.2	249	-16.2	313	-9.8	377	-3.4	441	3.0	505	9.4
58	-66.5	122	-37.8	186	-25.0	250	-16.1	314	-9.7	378	-3.3	442	3.1	506	9.5
59	-66.0	123	-37.6	187	-24.8	251	-16.0	315	-9.6	379	-3.2	443	3.2	507	9.6
60	-65.5	124	-37.4	188	-24.6	252	-15.9	316	-9.5	380	-3.1	444	3.3	508	9.7
61	-65.0	125	-37.2	189	-24.4	253	-15.8	317	-9.4	381	-3.0	445	3.4	509	9.8
62	-64.5	126	-37.0	190	-24.2	254	-15.7	318	-9.3	382	-2.9	446	3.5	510	9.9
63	-64.0	127	-36.8	191	-24.0	255	-15.6	319	-9.2	383	-2.8	447	3.6	511	10.0

6.2 Frequency Table

value	Frequency [Hz]	Display	value	Frequency [Hz]	Display	value	Frequency [Hz]	Display	value	Frequency [Hz]	Display	value	Frequency [Hz]	Display	value	Frequency [Hz]	Display
0	20	20.0 Hz	80	63	63.0 Hz	160	200	200 Hz	240	630	630 Hz	320	2000	2.00 kHz	400	6300	6.30 kHz
1	20.3	20.3 Hz	81	64	64.0 Hz	161	203	203 Hz	241	642	642 Hz	321	2030	2.03 kHz	401	6420	6.42 kHz
2	20.5	20.5 Hz	82	65	65.0 Hz	162	205	205 Hz	242	655	655 Hz	322	2050	2.05 kHz	402	6550	6.55 kHz
3	20.7	20.7 Hz	83	67	67.0 Hz	163	207	207 Hz	243	667	667 Hz	323	2080	2.08 kHz	403	6670	6.67 kHz
4	21	21.0 Hz	84	68	68.0 Hz	164	210	210 Hz	244	680	680 Hz	324	2100	2.10 kHz	404	6800	6.80 kHz
5	21.3	21.3 Hz	85	68.5	68.5 Hz	165	213	213 Hz	245	687	687 Hz	325	2140	2.14 kHz	405	6880	6.88 kHz
6	21.5	21.5 Hz	86	69	69.0 Hz	166	217	217 Hz	246	695	695 Hz	326	2170	2.17 kHz	406	6950	6.95 kHz
7	21.7	21.7 Hz	87	70	70.0 Hz	167	220	220 Hz	247	703	703 Hz	327	2200	2.20 kHz	407	7030	7.03 kHz
8	22	22.0 Hz	88	71	71.0 Hz	168	224	224 Hz	248	710	710 Hz	328	2240	2.24 kHz	408	7100	7.10 kHz
9	22.5	22.5 Hz	89	72	72.0 Hz	169	228	228 Hz	249	722	722 Hz	329	2280	2.28 kHz	409	7220	7.22 kHz
10	23	23.0 Hz	90	73	73.0 Hz	170	232	232 Hz	250	735	735 Hz	330	2320	2.32 kHz	410	7350	7.35 kHz
11	23.5	23.5 Hz	91	75	75.0 Hz	171	236	236 Hz	251	747	747 Hz	331	2360	2.36 kHz	411	7470	7.47 kHz
12	24	24.0 Hz	92	76	76.0 Hz	172	240	240 Hz	252	760	760 Hz	332	2400	2.40 kHz	412	7600	7.60 kHz
13	24.2	24.2 Hz	93	77	77.0 Hz	173	242	242 Hz	253	770	770 Hz	333	2430	2.43 kHz	413	7700	7.70 kHz
14	24.5	24.5 Hz	94	78	78.0 Hz	174	245	245 Hz	254	780	780 Hz	334	2450	2.45 kHz	414	7800	7.80 kHz
15	24.7	24.7 Hz	95	79	79.0 Hz	175	247	247 Hz	255	790	790 Hz	335	2470	2.47 kHz	415	7900	7.90 kHz
16	25	25.0 Hz	96	80	80.0 Hz	176	250	250 Hz	256	800	800 Hz	336	2500	2.50 kHz	416	8000	8.00 kHz
17	25.5	25.5 Hz	97	81	81.0 Hz	177	255	255 Hz	257	812	812 Hz	337	2550	2.55 kHz	417	8120	8.12 kHz
18	26	26.0 Hz	98	82	82.0 Hz	178	260	260 Hz	258	825	825 Hz	338	2600	2.60 kHz	418	8250	8.25 kHz
19	26.5	26.5 Hz	99	83	83.0 Hz	179	265	265 Hz	259	837	837 Hz	339	2650	2.65 kHz	419	8370	8.37 kHz
20	27	27.0 Hz	100	85	85.0 Hz	180	270	270 Hz	260	850	850 Hz	340	2700	2.70 kHz	420	8500	8.50 kHz
21	27.2	27.2 Hz	101	86	86.0 Hz	181	272	272 Hz	261	862	862 Hz	341	2730	2.73 kHz	421	8620	8.62 kHz
22	27.5	27.5 Hz	102	87	87.0 Hz	182	275	275 Hz	262	875	875 Hz	342	2750	2.75 kHz	422	8750	8.75 kHz
23	27.7	27.7 Hz	103	89	89.0 Hz	183	278	278 Hz	263	887	887 Hz	343	2770	2.77 kHz	423	8870	8.87 kHz
24	28	28.0 Hz	104	90	90.0 Hz	184	280	280 Hz	264	900	900 Hz	344	2800	2.80 kHz	424	9000	9.00 kHz
25	28.5	28.5 Hz	105	92	92.0 Hz	185	285	285 Hz	265	915	915 Hz	345	2850	2.85 kHz	425	9150	9.15 kHz
26	29	29.0 Hz	106	93	93.0 Hz	186	290	290 Hz	266	930	930 Hz	346	2900	2.90 kHz	426	9300	9.30 kHz
27	29.5	29.5 Hz	107	95	95.0 Hz	187	295	295 Hz	267	945	945 Hz	347	2950	2.95 kHz	427	9450	9.45 kHz
28	30	30.0 Hz	108	96	96.0 Hz	188	300	300 Hz	268	960	960 Hz	348	3000	3.00 kHz	428	9600	9.60 kHz
29	30.5	30.5 Hz	109	97	97.0 Hz	189	304	304 Hz	269	970	970 Hz	349	3040	3.04 kHz	429	9700	9.70 kHz
30	31	31.0 Hz	110	98	98.0 Hz	190	307	307 Hz	270	980	980 Hz	350	3070	3.07 kHz	430	9800	9.80 kHz
31	31.2	31.2 Hz	111	99	99.0 Hz	191	311	311 Hz	271	990	990 Hz	351	3110	3.11 kHz	431	9900	9.90 kHz
32	31.5	31.5 Hz	112	100	100 Hz	192	315	315 Hz	272	1000	1.00 kHz	352	3150	3.15 kHz	432	10000	10.0 kHz
33	32	32.0 Hz	113	101	101 Hz	193	321	321 Hz	273	1010	1.01 kHz	353	3210	3.21 kHz	433	10100	10.1 kHz
34	33	33.0 Hz	114	102	102 Hz	194	327	327 Hz	274	1020	1.02 kHz	354	3270	3.27 kHz	434	10300	10.3 kHz
35	33.5	33.5 Hz	115	103	103 Hz	195	333	333 Hz	275	1030	1.03 kHz	355	3340	3.34 kHz	435	10400	10.4 kHz
36	34	34.0 Hz	116	105	105 Hz	196	340	340 Hz	276	1050	1.05 kHz	356	3400	3.40 kHz	436	10500	10.5 kHz
37	34.5	34.5 Hz	117	106	106 Hz	197	344	344 Hz	277	1070	1.07 kHz	357	3440	3.44 kHz	437	10700	10.7 kHz
38	35	35.0 Hz	118	107	107 Hz	198	347	347 Hz	278	1080	1.08 kHz	358	3470	3.47 kHz	438	10900	10.9 kHz
39	35.5	35.5 Hz	119	108	108 Hz	199	351	351 Hz	279	1100	1.10 kHz	359	3510	3.51 kHz	439	11100	11.1 kHz
40	36	36.0 Hz	120	110	110 Hz	200	355	355 Hz	280	1120	1.12 kHz	360	3550	3.55 kHz	440	11200	11.2 kHz
41	36.5	36.5 Hz	121	112	112 Hz	201	361	361 Hz	281	1140	1.14 kHz	361	3610	3.61 kHz	441	11400	11.4 kHz
42	37	37.0 Hz	122	115	115 Hz	202	367	367 Hz	282	1160	1.16 kHz	362	3670	3.67 kHz	442	11600	11.6 kHz
43	37.5	37.5 Hz	123	118	118 Hz	203	374	374 Hz	283	1180	1.18 kHz	363	3750	3.75 kHz	443	11800	11.8 kHz
44	38	38.0 Hz	124	120	120 Hz	204	380	380 Hz	284	1200	1.20 kHz	364	3800	3.80 kHz	444	12000	12.0 kHz
45	38.5	38.5 Hz	125	121	121 Hz	205	385	385 Hz	285	1210	1.21 kHz	365	3850	3.85 kHz	445	12200	12.2 kHz
46	39	39.0 Hz	126	122	122 Hz	206	390	390 Hz	286	1220	1.22 kHz	366	3900	3.90 kHz	446	12300	12.3 kHz
47	39.5	39.5 Hz	127	123	123 Hz	207	395	395 Hz	287	1240	1.24 kHz	367	3950	3.95 kHz	447	12400	12.4 kHz
48	40	40.0 Hz	128	125	125 Hz	208	400	400 Hz	288	1250	1.25 kHz	368	4000	4.00 kHz	448	12500	12.5 kHz
49	40.5	40.5 Hz	129	127	127 Hz	209	408	408 Hz	289	1280	1.28 kHz	369	4070	4.07 kHz	449	12800	12.8 kHz
50	41	41.0 Hz	130	130	130 Hz	210	415	415 Hz	290	1300	1.30 kHz	370	4150	4.15 kHz	450	13000	13.0 kHz
51	42	42.0 Hz	131	133	133 Hz	211	422	422 Hz	291	1330	1.33 kHz	371	4220	4.22 kHz	451	13300	13.3 kHz
52	43	43.0 Hz	132	136	136 Hz	212	430	430 Hz	292	1360	1.36 kHz	372	4300	4.30 kHz	452	13600	13.6 kHz
53	43.5	43.5 Hz	133	137	137 Hz	213	435	435 Hz	293	1370	1.37 kHz	373	4350	4.35 kHz	453	13700	13.7 kHz
54	44	44.0 Hz	134	138	138 Hz	214	440	440 Hz	294	1380	1.38 kHz	374	4400	4.40 kHz	454	13800	13.8 kHz
55	44.5	44.5 Hz	135	139	139 Hz	215	445	445 Hz	295	1390	1.39 kHz	375	4450	4.45 kHz	455	13900	13.9 kHz
56	45	45.0 Hz	136	140	140 Hz	216	450	450 Hz	296	1400	1.40 kHz	376	4500	4.50 kHz	456	14000	14.0 kHz
57	45.5	45.5 Hz	137	143	143 Hz	217	457	457 Hz	297	1430	1.43 kHz	377	4570	4.57 kHz	457	14300	14.3 kHz
58	46	46.0 Hz	138	146	146 Hz	218	465	465 Hz	298	1460	1.46 kHz	378	4650	4.65 kHz	458	14600	14.6 kHz
59	47	47.0 Hz	139	149	149 Hz	219	472	472 Hz	299	1490	1.49 kHz	379	4730	4.73 kHz	459	14900	14.9 kHz
60	48	48.0 Hz	140	152	152 Hz	220	480	480 Hz	300	1520	1.52 kHz	380	4800	4.80 kHz	460	15200	15.2 kHz
61	48.5	48.5 Hz	141	154	154 Hz	221	485	485 Hz	301	1540	1.54 kHz	381	4850	4.85 kHz	461	15400	15.4 kHz
62	49	49.0 Hz	142	156	156 Hz	222	490	490 Hz	302	1560	1.56 kHz	382	4900	4.90 kHz	462	15600	15.6 kHz
63	49.5	49.5 Hz	143	158	158 Hz	223	495	495 Hz	303	1580	1.58 kHz	383	4950	4.95 kHz	463	15800	15.8 kHz
64	50	50.0 Hz	144	160	160 Hz	224	500	500 Hz	304	1600	1.60 kHz	384	5000	5.00 kHz	464	16000	16.0 kHz
65	50.5	50.5 Hz	145	162	162 Hz	225	507	507 Hz	305	1630	1.63 kHz	385	5080	5.08 kHz	465	16300	16.3 kHz
66	51	51.0 Hz	146	165	165 Hz	226	515	515 Hz	306	1650	1.65 kHz	386	5150	5.15 kHz	466	16500	16.5 kHz
67	52	52.0 Hz	147	167	167 Hz	227	522	522 Hz	307	1680	1.68 kHz	387	5220	5.22 kHz	467	16800	16.8 kHz
68	53	53.0 Hz	148	170	170 Hz	228	530	530 Hz	308	1700	1.70 kHz	388	5300	5.30 kHz	468	17000	17.0 kHz
69	53.5	53.5 Hz	149	172	172 Hz	229	538	538 Hz	309	1730	1.73 kHz	389	5380	5.38 kHz	469	17300	17.3 kHz
70	54	54.0 Hz	150	175	175 Hz	230	545	545 Hz	310	1750	1.75 kHz	390	5450	5.45 kHz	470	17500	17.5 kHz
71	55	55.0 Hz	151	177	177 Hz	231	552	552 Hz	311	1780	1.78 kHz	391	5530	5.53 kHz	471	17800	17.8 kHz
72	56	56.0 Hz	152	180	180 Hz	232	560	560 Hz	312	1800	1.80 kHz	392	5600	5.60 kHz	472	18000	18.0 kHz
73	57	57.0 Hz	153	183	183 Hz	233	570	570 Hz	313	1830	1.83 kHz	393	5700	5.70 kHz	473	18300	18.3 kHz
74	58	58.0 Hz	154	186	186 Hz	234	580	580 Hz	314	1860	1.86 kHz	394	5800	5.80 kHz	474	18600	18.6 kHz
75	59	59.0 Hz	155	189	189 Hz	235	590	590 Hz	315	1890	1.89 kHz	395	5900	5.90 kHz	475	18900	18.9 kHz
76	60	60.0 Hz	156	192	192 Hz	236	600	600 Hz	316	1920	1.92 kHz	396	6000	6.00 kHz	476	19200	19.2 kHz
77	60.5	60.5 Hz	157	194	194 Hz	237	608	608 Hz	317	1940	1.94 kHz	397	6080	6.08 kHz	477	19400	19.4 kHz
78	61	61.0 Hz	158	196	196 Hz	238	615	615 Hz	318	1960	1.96 kHz	398	6150	6.15 kHz	478	19600	19.6 kHz
79	62	62.0 Hz	159	198	198 Hz	239	623	623 Hz	319	1980	1.98 kHz	399	6230	6.23 kHz	479	19800	19.8 kHz
															480	20000	20.0 kHz

6.3 Q Value Table

#	Quality
0	0.3
1	0.35
2	0.41
3	0.47
4	0.55
5	0.64
6	0.75
7	0.87
8	1
9	1.2
10	1.4
11	1.6
12	1.9
13	2.2
14	2.5
15	3
16	3.5
17	4
18	4.5
19	5
20	6
21	7
22	8.4
23	10
24	12
25	14
26	16
27	19
28	22
29	25
30	30
31	60

6.4 EQ Gain Table

#	Gain	#	Gain	#	Gain
0	−18	25	−5.5	50	7
1	−17.5	26	−5	51	7.5
2	−17	27	−4.5	52	8
3	−16.5	28	−4	53	8.5
4	−16	29	−3.5	54	9
5	−15.5	30	−3	55	9.5
6	−15	31	−2.5	56	10
7	−14.5	32	−2	57	10.5
8	−14	33	−1.5	58	11
9	−13.5	34	−1	59	11.5
10	−13	35	−0.5	60	12
11	−12.5	36	0	61	12.5
12	−12	37	0.5	62	13
13	−11.5	38	1	63	13.5
14	−11	39	1.5	64	14
15	−10.5	40	2	65	14.5
16	−10	41	2.5	66	15
17	−9.5	42	3	67	15.5
18	−9	43	3.5	68	16
19	−8.5	44	4	69	16.5
20	−8	45	4.5	70	17
21	−7.5	46	5	71	17.5
22	−7	47	5.5	72	18
23	−6.5	48	6		
24	−6	49	6.5		

6.5 Input Gain Table

Value	マイク [dB]	ライン [dB]	Aux [dB]	Value	マイク [dB]	ライン [dB]	Aux [dB]
0	20	20	−30	21	41	41	−9
1	21	21	−29	22	42	42	−8
2	22	22	−28	23	43	43	−7
3	23	23	−27	24	44	44	−6
4	24	24	−26	25	45	45	−5
5	25	25	−25	26	46	46	−4
6	26	26	−24	27	47	47	−3
7	27	27	−23	28	48	48	−2
8	28	28	−22	29	49	49	−1
9	29	29	−21	30	50	50	0
10	30	30	−20	31	51	51	1
11	31	31	−19	32	52	52	2
12	32	32	−18	33	53	53	3
13	33	33	−17	34	54	54	4
14	34	34	−16	35	55	55	5
15	35	35	−15	36	56	56	6
16	36	36	−14	37	57	57	7
17	37	37	−13	38	58	58	8
18	38	38	−12	39	59	59	9
19	39	39	−11	40	60	60	10
20	40	40	−10				

6.6 Transfer data type

No	Item	Description	Type	Value	Value Description	Remarks
1	kind	Transfer data type	string	p1 to p8	Preset 1 to 6	
2				i1 to i20	4Band PEQ	Input (4Band PEQ)
3				iall	All 4Band PEQ	
4				o1 to o20	12Band PEQ	Output (12Band PEQ)
5				oall	All 12Band PEQ	
6				l1 to l2	Language file 1 to 2	
7				log	Logging file	

6.7 Unit ID

No	Model Name	Description	Value	Remarks
1	ATCP-W01	Control Panel(Encoder only)	80	
2	ATCP-W02	Control Panel(Button & Encoder)	81	
3	ESW-R4180LK	ES Wireless	C0	
4	ATND1061LK	Ceiling Microphone Array	C1	

6.8 Operator Fader Table

Value	dB	Value	dB	Value	dB	Value	dB
100.0	10.0	70.0	0.0	40.0	-10.0	10.0	-40.0
99.0	9.8	69.0	-0.6	39.0	-11.0	9.0	-42.0
98.0	9.6	68.0	-1.2	38.0	-12.0	8.0	-44.0
97.0	9.4	67.0	-1.7	37.0	-13.0	7.0	-46.0
96.0	9.2	66.0	-2.2	36.0	-14.0	6.0	-48.0
95.0	9.0	65.0	-2.7	35.0	-15.0	5.0	-50.0
94.0	8.8	64.0	-3.1	34.0	-16.0	4.0	-55.0
93.0	8.5	63.0	-3.6	33.0	-17.0	3.0	-60.0
92.0	8.3	62.0	-4.0	32.0	-18.0	2.0	-65.0
91.0	8.0	61.0	-4.3	31.0	-19.0	1.0	-70.0
90.0	7.8	60.0	-4.7	30.0	-20.0	0.0	-∞
89.0	7.5	59.0	-5.1	29.0	-21.0		
88.0	7.3	58.0	-5.5	28.0	-22.0		
87.0	7.0	57.0	-5.8	27.0	-23.0		
86.0	6.7	56.0	-6.1	26.0	-24.0		
85.0	6.4	55.0	-6.4	25.0	-25.0		
84.0	6.1	54.0	-6.7	24.0	-26.0		
83.0	5.8	53.0	-7.0	23.0	-27.0		
82.0	5.5	52.0	-7.3	22.0	-28.0		
81.0	5.1	51.0	-7.5	21.0	-29.0		
80.0	4.7	50.0	-7.8	20.0	-30.0		
79.0	4.3	49.0	-8.0	19.0	-31.0		
78.0	4.0	48.0	-8.3	18.0	-32.0		
77.0	3.6	47.0	-8.5	17.0	-33.0		
76.0	3.1	46.0	-8.8	16.0	-34.0		
75.0	2.7	45.0	-9.0	15.0	-35.0		
74.0	2.2	44.0	-9.2	14.0	-36.0		
73.0	1.7	43.0	-9.4	13.0	-37.0		
72.0	1.2	42.0	-9.6	12.0	-38.0		
71.0	0.6	41.0	-9.8	11.0	-39.0		

6.9 Version Cross-reference Table

Doc. ver.	ATDM0604a FW version											
	1.0.0	**1.0.3**	**1.0.4**	**1.1.2**				**-**	**-**	**-**		
1.0												
1.1												