

ATUC-50

Digital Wired Conference System

Gooseneck Microphone with LED Ring ATUC-M43H/58H/M32L

> Discussion Unit ATUC-50DU/ATUC-50DUa

> > Interpretation Unit ATUC-50INT

> > > Control Unit ATUC-50CU

Integration Unit ATUC-50IU

> Link Extender ATLK-EXT165

> > Voting Unit ATUC-VU

ATUC-IR Hybrid Infrared Conference System

Gooseneck Microphone with LED Ring ATUC-M43H/58H/M32L

> IR Discussion Unit ATUC-IRDU

Hybrid Control Unit ATUC-IRCU

Hybrid Control Unit (Dante-Enabled) ATUC-IRCUDAN

> IR Transmitter Unit ATUC-IRA

> > IR Distributor ATUC-IRD

> > > Charger ATCS-B60

audio-technica

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Introduction

About this manual

About the information in this manual

The images and screenshots shown in this manual may differ from the actual product.

About the configuration of this manual

The "Web Remote Edition" instruction manual explains how to use Web Remote. Refer to the "Main Unit Edition" for information about the digital wired conference system ATUC-50 and the hybrid infrared system ATUC-IR products.

Device names

The device names are abbreviated as follows.

- 50CU: "Control Unit" ATUC-50CU
- 50DU: "Discussion Unit" ATUC-50DU/ATUC-50DUa*
- 50INT: "Interpretation Unit" ATUC-50INT
- ATUC-M: "Gooseneck Microphone with LED Ring" ATUC-M43H/ATUC-M58H/ATUC-M32L
- 50IU: "Integration Unit" ATUC-50IU
- EXT: "Link Extender" ATLK-EXT165
- VU: "Voting Unit" ATUC-VU
- IRCU: "Hybrid Control Unit" ATUC-IRCU
- IRCUDAN: "Hybrid Control Unit (Dante-Enabled)" ATUC-IRCUDAN
- IRDU: "IR Discussion Unit" ATUC-IRDU
- IRA: "IR Transmitter Unit" ATUC-IRA
- IRD: "IR Distributor" ATUC-IRD
- B60: "Charger" ATCS-B60
- * The ATUC-50DUa is a conference microphone unit that is compatible with the ATUC-VU (Voting Unit).

Some abbreviated names are used as follows.

- CU: When indicating the ATUC-50CU, ATUC-IRCU, and ATUC-IRCUDAN collectively
- DU: When indicating both the ATUC-50DU/ATUC-50DUa and the ATUC-IRDU

Symbols

>	Indicates the page(s) where y	ou can	find r	nore de	etailed
	or related information.				
					-

NOTICE Indicates a risk that may result in malfunction or damage to the device.



[] Indicates menu items on the Web Remote screen.

Operations on mobile devices

Operations in this manual assume that you are using a computer as a control device. Alternatively you can use a mobile device such as a tablet. Instead of clicking or double-clicking, operate the application by tapping.

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- Other product names, service names, logos and/or company names used in this manual are trademarked and copyrighted properties of their respective owners and/or licensors. In this manual, the TM and ® mark may not be specified.

What is Web Remote?

Web Remote is a web application to control this system. Using Web Remote enables you to remotely perform the following operations from a computer or mobile device (hereinafter, control device):

- Preparing for conferences
- Operating and controlling conferences
- Configuring detailed settings

After connecting the CU to the control device, download "Locate". Using "Locate" enables you to simply access Web Remote () page 6) without typing the IP address of the installed CU.

 You can also start up Web Remote without using "Locate" (> page 6).

Operating Environment for Web Remote and "Locate"

- Microsoft Windows 7 or later
- Apple OS X10.12 Sierra or later
- Android OS5.0 or later
- iOS9 or later

Recommended web browser for Web Remote

- Microsoft Internet Explorer 11 (Windows)
- Google Chrome ver. 57 or later (Windows and Android)
- Mozilla Firefox ver. 52 or later (Windows)
- Safari 10 or later (OS X and iOS)
- NOTICE Up to 3 control devices can simultaneously log in to Web Remote.

When 2 web browsers are running on a control device, Web Remote counts the web browsers as 2 separate devices.

• When you have finished with Web Remote, be sure to log out of Web Remote before closing the web browser window.

If you simply close the window without logging out, you will remain logged in to Web Remote for 5 minutes until the session times out.

Setting up "Locate"

1 Download the "Locate" installer onto the control device.

For Windows/Mac users:

Download the "Locate" installer that applies to your country/ region from the Audio-Technica website: http://www.audio-technica.com/world_map/ Proceed to step 2.

For iOS users:

Search from App Store and install "Locate".



Proceed to step 4.

For Android users:

Search from Google Play and install "Locate".



Proceed to step 4.

2 Double-click "setup.exe" downloaded.

The setup wizard will appear.

3 Follow the on-screen instructions to install "Locate" onto the control device.

After the installation is complete, the "Locate" icon will appear on the desktop.

4 Check that the CU and the control device are connected to the same network, and that the power of the CU is ON, then double-click the "Locate" icon.

"Locate" starts up. CUs connected to the network are detected automatically.

5 Select the CU you want to control via Web Remote, then click [Open].



The Web Remote login screen appears.

displayed in the "Locate" list.

• When the [Identify] icon is clicked, the icon lights red and the indicators blink on the front panel of the selected CU. This function is useful if there are multiple CUs in the system and you want to identify a CU, such as when you select the CU you want to control from the CUs

Configuring and Operating Conferences Using the Web Remote Control Function

About Web Remote

Overall structure of Web Remote

From the Home screen below, you can access the 3 main menus.



→ Select this to recall and adjust the preset settings as necessary before starting a conference.

1. Configuring detailed settings of the system (Settings & Maintenance) (> page 7):



Under [Settings & Maintenance], the following 5 sub-menus are available for configuring detailed settings of the entire system.

[System Settings] (> page 8)

Allows you to set the unit name and a login password as well as access authority setting, and configures network-related settings.

You can also update the firmware from here.

[Install Settings] (> page 16)

Allows you to select conference mode (> page 20). You can also configure advanced CU audio input/output settings and recording settings. Furthermore, you can configure DU detail settings, such as speaker settings and LED color, for each DU and the interpretation settings for each INT.

[Presets] (> page 30)

Allows you to save settings configured from [Install Settings] as presets and to recall those settings. You can also export the desired preset setting and import it to another CU.

[Logging] (→ page 30)

Allows you to turn the logging function on/off and download a log file.

[System Info] (> page 30)

Displays the network setting information and firmware version.

2. Preparing for conferences (Setup Conference) (> page 31):

Follow the 3 steps below to prepare for a conference.

[Recall Preset] (> page 31)

Select the desired preset conference setting according to the upcoming conference.

To handle many different types of conferences using one conference system, it is recommended to preset multiple types of conference settings.

[Conference Settings] (> page 31)

According to the upcoming conference, set the [Conference Mode] (> page 20), which defines the talk method, and then configure the detailed settings.

[DU/IU Settings] (> page 32)

For each DU/IU connected to the system, set the attendee name and configure the audio settings and priority setting.

3. Operating and controlling conferences (Start Conference) (> page 33):

Operate and control the conference by switching the screen among the following 3 screens.

[Conference Manager] (> page 33)

Displays an attendee (DU) list. The list shows information including the attendee names, priority setting status and talk request status. Furthermore, you can permit the attendees to talk.

[Audio Control] (> page 34)

Configure the primary output settings and perform audiorelated operations such as buzzer playback and conference recording operations.

[Conference Settings] (> page 34)

You can change detailed settings such as conference mode even during the conference.

Starting up Web Remote and preparing for operations

This chapter explains the Web Remote startup operation and the header always displayed on the top of the screen.

Starting up and logging in to Web Remote

1 Display the Web Remote login screen.

To log in to Web Remote from "Locate":

Follow steps 4 to 5 in "Setting up 'Locate'" (> page 4).
 Web Remote starts up and the login screen appears.

To log in to Web Remote without using "Locate":

- NOTICE Check that the CU is connected to the same network as the control device. When using a control device with a network terminal, you can also directly connect the CU to the control device using an Ethernet cable (>ATUC-50/ATUC-IR Instruction Manual (Main Unit Edition)).
 - From the CU Set Menu → System Info → IP Address, check the IP address of the CU (>ATUC-50/ATUC-IR Instruction Manual (Main Unit Edition)).
 - (2) Run the browser and type the IP address you checked in step (1) in the address bar.Web Remote starts up and the login screen appears.

2 Select [Operator] or [Administrator], then click [Login].



To change the language, click $[\Psi]$ next to the language display to expand the drop-down list and select the desired language.

The [Operator] access authority can be set from [System Settings] → [User Access] → [Operator Access Settings] () page 10).

When a login password (> page 10) is already set, enter the password on the password input screen.



After successfully logging in to Web Remote, the Home screen appears.

About Web Remote Home screen

• Depending on the [Operator] access authority setting, [Settings & Maintenance] may not appear on the Home screen.



Access each screen () page 7).

About the display items on the header:



- 1 Displays the screen name (e.g. Home).
- (2) Displays the recalled preset conference name (> page 30). If some changes have been applied to the recalled preset, the preset characters will appear in white color. Or, you can recall and save presets.
- ③ Displays various indicators (>ATUC-50/ATUC-IR Instruction Manual (Main Unit Edition)). If any problem occurs, "▲" appears below the corresponding indicator. Placing the cursor over the indicator will display the pop-up screen which shows the details of the problem.
- ④ Displays the name of the unit such as ATUC-50CU which is being controlled via Web Remote.
- $\textcircled{\textbf{5}}$ Home button: Click to return to the Home screen.
- (6) Logout button: Click to display the currently logged-in authority and the logout menu.

Configuring detailed system settings ([Settings & Maintenance])

From this menu, detailed system settings can be configured. Utilities for troubleshooting and maintenance are also available.

How to operate the [Settings & Maintenance] menu

1 On the Web Remote Home screen, click [Settings & Maintenance].



2 From the 5 menu items on the left, click the item you want to configure.



3 Change the settings as necessary, then click [Apply].

Settings & Mair	ntenance			
> System Settings	Conference Mode			
✓ Install Settings	Free Talk Requ	iest Talk Full Rer	note	
CU Audio	Number of Open Mics	10	~	
Conference	Humber of Open miles	10		
DU	Auto Mic OFF	10 sec	~	
Interpretation				
Recorder	A CONTRACTOR	No Occasida		
> Presets	Override Mode	No Overnde		
> Logging	Maximum in Queue	150	~	
> System Info	Mic ON Trigger	All Voice	~	
	Mic ON Hold Time	2.5 sec	~	
				Apply

• The buttons displayed may vary depending on the screen. • On screens where value changes are immediately applied, such as on audio-related setting screens, the [Apply] button may not appear.

Menu item 1) ([System Settings])

The setting values and default setting of each item which you can set from [System Settings] are as follows. (III) is the name of an item displayed on the CU display. Items with () are included in the preset settings.

General Settings ([General])

Item name	Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
Device Name				
Name	Displays the name of the unit being controlled via Web Remote. ATUC-50CU / ATUC-IRCU	~	~	r
Header Color	Set the header color that is displayed together with the device name.	~	~	~
CU Link Settings				
Link Port Setting	Switch the terminal setting between CU LINK A/B terminals and DU CHAIN C/D terminals. CU A/B , DU C/D	~	~	~
Primary/Extension	 Set the dependency relationship of each CU (Primary/Extension) when multiple CUs are cascade-connected. Primary, Extension Pass-Through, Extension Last Unit NOTICE • When using only one CU without a CU Link connection, be sure to set [CU Link Setting] to [Primary]. If [CU Link Setting] is set to [Extension], we do not assume responsibility for any unexpected consequences that may occur. 	v	_	_
CU Display/LED				
Error Notification	Set whether to show error notices on the CU's display, and to have the LED on the ATUC-MIC flash when an error occurs. On , Off	~	r	~

Network Settings ([Network])

• After changing the network setting item(s), restart the CU to enable the setting values.

lte	em name	Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
N	etwork Configuration				
	Mode III Config Mode	Set the network configuration mode to match the environment. Switched , Redundant Audio, Split	_	_	~
	Latency IIII Latency	Set the latency for Dante port. 250usec, 500usec , 1msec, 2msec, 5msec	_	_	~
D	ante & Audio Port Settings				
	IP Config Mode (Primary) IIII IP Config Mode	Specify the IP address-acquiring method. Auto : IP address is assigned by a DHCP server or the like. Static: Specify static IP address. This enables you to specify the IP address, subnet mask, and gateway address.	_	_	~
	IP Address (Primary) IIII IP Address	Displays the primary IP address. Does not display when [IP Config Mode] is set to [Auto].	_	_	~
	Subnet Mask (Primary) IIII Subnet Mask	Displays the primary subnet mask. Does not display when [IP Config Mode] is set to [Auto].	_	_	~
	Gateway Address (Primary) ILEI Gateway Address	Displays the primary gateway address. Does not display when [IP Config Mode] is set to [Auto].	_	_	~

IP Settings (Secondary)	Do the secondary IP settings. The settings for the various items are the same as for primary. Only displayed when the network configuration [Mode] is set to [Redundant Audio].	_	_	V
IP Control & Web Remote Port Settings	Displayed with IP Settings when not using IRCUDAN.			
IP Config Mode	Specify the IP address-acquiring method. Auto : IP address is assigned by a DHCP server or the like. Static: Specify static IP address. This enables you to specify the IP address, subnet mask, and gateway address.	V	~	r
IP Address	Displays the IP address. Does not display when [IP Config Mode] is set to [Auto].	~	~	r
Subnet Mask	Displays the subnet mask. Does not display when [IP Config Mode] is set to [Auto].	•	~	r
Gateway Address	Displays the gateway address. Does not display when [IP Config Mode] is set to [Auto].	•	~	~
Allow Discovery	Enable/disable automatic detection from "Locate". On , Off	~	~	~
IP Control Settings				
Port Number ITT IP Ctrl Port No	Displays the IP control port number. 00001-65535 (17300)	~	~	r
Notification IIII IP Ctrl Ntfy	Enable/disable notification from the device during IP control. On, Off	~	~	~
Audio Level Notification	Enable/disable notification of the audio level from the device when IP control is enabled. On, Off	~	~	v
Multicast Address 이대 M-cast Adrs	Specify multicast address. 0.0.0.0 - 255.255.255 (225.0.0.100)	~	~	~
Multicast Port Number IIII M-cast Port No	Specify multicast port number. 00001-65535 (17000)	~	~	~
Auto Mode Change When Network Connection Lost				
Enabled IIIII Auto Mode Change	Automatically switches the conference mode to [Free Talk] Mode when a network error occurs while operating in [Full Remote] Mode. On , Off	~	~	r
Hold time IIII Hold Time (Err)	 Set the time interval until [Full Remote] Mode switches to [Free Talk] Mode after a network error occurs. 20, 30, 40 sec 20. During Web Remote control, the time interval may be longer by up to 15 seconds. 	v	v	v
NTP Settings				
Enabled DTD NTP	Enable/disable NTP (Network Time Protocol). On, Off	~	~	~
Server Address	Specify the NTP sever address. 0.0.0.0 - 255.255.255.255 (Empty)	~	~	~
Port Number	Specify the NTP port number. 00001-65535 (123)	~	~	~
Time Zone	Specify the time difference to UTC (Coordinated Universal Time). UTC -12:00 to +14:00; in 0:30 minute increments (00:00)	~	~	~
Daylight Saving Time	Enable/disable the daylight saving time option. On, Off	~	~	~
Start Date & Time IIII DST Start Date IIII DST Start Time	Set the start date and time for daylight saving time. 1/1 - 12/31 (3/27) 0:00 - 23:00; in 1 hour increments (2:00)	~	~	v

End Date & Time	Set the end date and time for daylight saving time.			
OLED DST End Date	1/1 - 12/31 (10/30)	~	~	~
OLD DST End Time	0:00 - 23:00 (2:00)			

Infrared Settings ([Infrared])

ltem name		Description and setting values (default settings are shown in $\ensuremath{\textbf{bold}})$	50CU	IRCU	IRCUDAN
Infrared Settings					
	IRDU to Detect on System Start	Set the number of IRDU that are found when starting up. 50	_	~	~
	Limit NOM to Enabled IR Bands	Set whether to reflect IRDU NOM on NOM for conference settings also. On, Off	_	~	~
IR	DU Band				
	Active	The indicator for the band that is active lights red.	_	~	~
	Frequency	Displays the frequency for each band.	_	~	~
	Enabled IIII IRDU Band	Sets enable or disable for each band.	_	~	~

User Access Settings ([User Access])

Item name	Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
Administrator Access Settings				
Login Password IIII) Admin.Pwd.Login	Enable/disable login password requirement for Administrator. On, Off	~	~	~
🔟 Admin.Password	Set a login password for Administrator. 4 to 8 alphanumeric characters (Empty)	~	~	~
Operator 1 Access Settings				
Edit Operator Name	Set whether to change the name of Operator 1. On, Off	~	~	~
Operator Name	Set a name for the rights of Operator 1. Operator 1	~	~	~
Login Password	Enable/disable login password requirement for Operator 1. On , Off	~	~	~
Operator Password IIII) Opr.Pwd.Login	Enable/disable login password requirement for Operator. On, Off	~	~	~
Opr.Password	Set a login password for Operator. 4 to 8 alphanumeric characters (Empty)	~	~	~
Home Page				
Start Conference Setup Conference	Enable/disable function limitation for conference preparation ([Setup Conference]) and conference operation and control ([Start Conference]). Full , Limited	~	~	~
Settings & Maintenance	Allow/restrict access to detailed settings ([Settings & Maintenance]). When this item is set to [No], the [Settings & Maintenance] button will not appear on the Home screen. Yes, No	~	v	~
Settings & Maintenance CU Display Menu	Enable/disable access authority for detailed setting of each item ([Settings & Maintenance] on Web Remote, Set on the CU display). Rights can be set for each of the menus.			
System Settings	Only administrators can do system settings. No	~	~	~
Install Settings	Yes, No	~	~	~

	Presets	Yes, No	~	~	~
	Logging	Yes, No	~	~	~
	System Info	Yes, No	~	~	~
ο	perator 2 Access Settings				
	Enabled	Sets enable or disable for Operator 2. On, Off	~	~	~
	Edit Operator Name	Set whether to change the name of Operator 2. On, Off	~	~	~
	Operator Name	Set a name for the rights of Operator 2. Operator 2	~	~	~
	Login Password	Enable/disable login password requirement for Operator 2. On, Off	~	~	~
H	ome Page				
	Start Conference Setup Conference	Enable/disable function limitation for conference preparation ([Setup Conference]) and conference operation and control ([Start Conference]). Full , Limited	~	r	~
	Settings & Maintenance	Allow/restrict access to detailed settings ([Settings & Maintenance]). When this item is set to [No], the [Settings & Maintenance] button will not appear on the Home screen. Yes , No	~	~	~
Se	ettings & Maintenance	Set the access authority in detailed setting ([Settings & Maintenance] on Web Remote). Rights can be set for each of the menus.			
	System Settings	Only administrators can do system settings. No	~	~	~
	Install Settings	Yes, No	~	~	~
	Presets	Yes, No	~	~	~
	Logging	Yes, No	~	~	~
	System Info	Yes, No	~	~	~
С	J Display Home Menu Settings	Limited to the initial menu displayed by OLED. Rights can be set for each of the menus.			
	Level	Yes, No	~	~	~
	Rec	Yes, No	~	~	~
	Preset	Yes, No	~	~	~

Utilities ([Utilities])

The following operations can be performed from $[\mbox{System Settings}].$

Item name	Description and operation procedure	50CU	IRCU	IRCUDAN
	Updates the CU firmware.			
	♦ ATUCKO •• 3 3' 3' - 2' - 2' - 2' - 2' - 2' - 2' -			
	Construction of the second secon			
	Serial Number Device Name Firmware Version			
	General 00410598 ATUC-50CU 1 1.0.1			
	2 Browse firmware_CU_v101 Update 3			
	Ltaines ATUC-50DU Firmware Update			
	Serial Number Delegate Name Firmware Version			
	Presets If 6020460 Bun Muller 1.0.3			
	Logging 16020512 Sakura Haruno 1.0.3 16020513 Lee Kim 1.0.4			
	System Info 16020514 Miguel Silva 1.0.4			
	16020515 Rudaynah LShalhoub 1.0.4			
ATUC-50CU Firmware Undate	Browse firmware_DU_v104 Update		_	_
	ATUC-50DUa Firmware Update			
	 Check the [Serial Number], [Device Name], and the current [Firmware Version] on the screen to be sure that the displayed CU is the one you want to update. Click [Browse] to display the file select screen and select the version 			
	upgrade file.			
	Click [Open] to start loading the file.			
	(3) When the loading is complete, [Update] will be selectable. Click [Update].			
	(4) After the confirmation message appears on the pop-up screen, click [fes] to			
	When the update is complete, [Completed. Please turn power off.] will			
	appear.			
	(5) Turn off the power of the CU to restart it.			
	Updates the IRCU firmware (same as ATUC-50CU firmware update).			
	2 Browse firmware_IRCU_v104 Update 3			
	Utilities ATUC ID Infrared Eirphysics Lindets			
	Install Settings Serial Number Device Name Firmware Version			
	> Presets 00210541 ATUC-IRCU 1 1.0.0			
	Logging Browse firmware_JRIR_v101 Update			
	System Info ATUC-50DU Firmware Update			
	Serial Number Delegate Name Firmware Version			
ATUC-IR Control Unit Firmware	✓ 16020460 Bun Muller 1.0.3			
Update	16020512 Sakria haruno 1.0.3 16020513 Lee Kim 1.0.4	_	~	V
	 Check the [Serial Number], [Device Name], and the current [Firmware Version] on the screen to be sure that the displayed CU is the one you want to update. Click [Browse] to display the file select screen and select the version upgrade file. Click [Open] to start loading the file. When loading is complete, [Update] can be selected. Click [Update]. After the confirmation message appears on the pop-up screen, click [Yes] to perform the update. When the update is complete, [Completed. Please turn power off.] will appear. Turn off the power of the IRCU to restart it. 			



① Click the checkbox next to the [Serial Number], [Delegate Name], and the
current [Firmware Version] of each DU you want to update.
When you want to select all DUs, click [All] on the upper left of the DU
Firmware Update section on the screen.
2 Click [Browse] to display the file select screen and select the version

- (2) Click [Browse] to display the file select screen and select the version upgrade file.
- Click [Open] to start loading the file.
- 3 When the loading is complete, [Update] will be selectable. Click [Update].
- After the confirmation message appears on the pop-up screen, click [Yes] to perform the update.
 When the update is complete, [Completed. Please turn power off.] will appear.
- $(\mathbf{5})$ Turn off the power of the CU to restart it.

ATUC-SODUE Firmware Update I Update the DU firmware. ATUC-SODUE Firmware Update I Click the checker sext to the [Strik] Number]. [Delegate Name], and the current [Jermware Vestion] of each DUs you want to update. I I I I I I I I I I I I I I I I I I I				1		
ATUC-500Ua Firmware Update • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • <		Updates the DUa firmware.				
ATUC-SODUs Firmware Update 		• ATUCIR 🗢 3 '5' '2' 🖂 (Freed (Marsh 16th 16th 16th 16th 16th 16th 16th 16t				
ATUC-50DUs Firmware Update • • • • • • • • • • • • • • • • • • •		(🕼) Settings & Maintenance 📥 🛓				
ATUC-50DUA Firmware Update • Click the checkbox act to the [Serial Number], [Delegate Name], and the Cherateria [Firmware Version] of each DUA you want to update. • Click the checkbox act to the [Serial Number], [Delegate Name], and the Cherateria [Firmware Version] of each DUA you want to update. • Click the checkbox act to the [Serial Number], [Delegate Name], and the Cherateria [Firmware Version] of each DUA you want to update. • • • • • • • • • • • • • • • • • • •		System Settings ATUC-50DUa Firmware Update Gridtente Delete New Constanting				
ATUC-50DUs Firmware Update: 		Oeneral Vergate Name Pirmware Version Vergate Name Pirmware Version Vergate Name Pirmware Version				
ATUC-500Us Firmware Update 		Network III 19013156 Jett Withers 1.0.0				
ATUC-500Us Firmware Update		Utilities ✓ 19013157 Zane Horner 1.0.0				
ATUC-50DUE Firmware Update ⓐ ① ①		Install Settings				
ATUC-50DUs Firmware Update ²		> Presets				
ATUC-50DUa Firmware Update Click the checkbox next to the [Serial Number], [Delegate Name], and the current [Firmware Version] of each DUA you want to update. Click the checkbox next to the [Serial Number], [Delegate Name], and the current [Firmware Update section on the screen. Click Delegation on the screen. Click Delegation on the screen and select the version upgrade file. Click Delegation on the screen and select the version upgrade file. Men the loading is complete, [Update] will be selectable. Click [Update]. After the confirmation message appears on the pop-up screen, click [Yes] to greater the update is complete, [Completed. Please turn power off] will appear. Turn off the power of the CU to restart it. Value The update is complete. Confirm that [Serial Number], Delegate Name], and the current limit uppear. Confirm that [Serial Number], Delegate Name], and the current limit uppear. Click Iproven on the screen and select the version uppear and the selectable. Click Iproven on the screen, and then select the click to not the first and the selectable. Click Iproven on the screen, and then select the click to not the first and the selectable. 		2 Logging firmware_DU_v104 Update 3				
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	Updates the INT firmware.			
ATUC-50INT Unit Firmware Update	NUCK Image: Constant of the second	v	v	r
	 Click the checkbox next to the [Serial Number], [Delegate Name], and the current [Firmware Version] of each INT you want to update. When you want to select all INTs, click [All] on the upper left of the INT Unit Firmware Update section on the screen. Click [Browse] to display the file select screen and select the version upgrade file. Click [Open] to start loading the file. When the loading is complete, [Update] will be selectable. Click [Update]. After the confirmation message appears on the pop-up screen, click [Yes] to perform the update. When the update is complete, [Completed. Please turn power off.] will appear. Turn off the power of the CU to restart it. 			
Language Pack Installation	 Installs the language pack. ① Select the bank onto which you want to install the language pack. ② Click [Browse] to display the file select screen and select the language file you want to install. ③ Click [Install] to install the language pack. When the installation is complete, [Completed. You will be automatically logged out momentarily.] will appear and you will be automatically logged out of Web Remote in 2 seconds. To continue the operation, log in to Web Remote again. 	v	v	v
Reset All Settings to Default	 Restores 50CU/50DU/50IU/50INT/IRCU/IRCUDAN to the default settings (this does not change the firmware version). (1) When [Do you really want to reset all settings to default?] appears, click [Yes]. The confirmation message will appear again. (2) Click [Yes] to restore the default settings. [Completed. Please turn power off.] will appear. (3) Turn off the power and restart the 50CU/IRCU/IRCUDAN. 	r	v	v

Menu item 2 ([Install Settings])

The setting values and default setting of each item you can set from [Install Settings] are as follows. The item names with []]] on the left are the names displayed on the CU display. Items with ()] are included in the preset settings.

CU Audio Settings ([CU Audio])

lt	em name		Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
In	iput Settings		Set the type and level for the Mic/Line audio inputs 1 and 2. 1 and 2 can be configured individually.			
М	lic/Line 1-2 Type		Set the input type.			
	Input Type	•	* Supported on IRCUDAN only.	~	~	~
	Input Gain	₽	Set the input gain of the Mic inputs (only when [Type] is set to [Mic]). -24 to +20dB (0dB)	r	~	V
	Level \bigcirc $-\infty, -\infty$		Set the Mic/Line input level. The level can be set individually for each input type (Mic, Line, or Dante). -∞, -120 to +10dB (0dB)	~	~	~
	Level Meter		Displays the input level with a level meter.	~	~	~
	EQ Library	ē	 Select the EQ pattern for the Mic/Line inputs. The EQ pattern can be selected for each input type (Mic, Line, or Dante). Flat HH Dyn M: Dynamic Handheld Microphone for Male HH Dyn F: Dynamic Handheld Microphone for Female HH Cond M: Condenser Handheld Microphone for Male HH Cond F: Condenser Handheld Microphone for Female Lavalier M: Lavalier Microphone for Male Lavalier F: Lavalier Microphone for Female (IP Remote (*1)) BP892 M (*2), BP892 F (*2), AT898 M (*2), AT898 F (*2), AT899 M (*2), AT899 F (*2), AT831 M (*2), AT831 F (*2) *1: [IP Remote] appears when the equalizer is adjusted from [IP Remote]. [IP Remote] cannot be selected from the drop-down list. *2: Supported on IRCU and IRCUDAN only. 	~	v	v
	Low Cut	₽	Enable/disable low frequency reduction for the Mic input. On, Off	~	r	~
	Phantom IIII Phantom Power	P	Enable/disable phantom power (+48V). On, Off	r	~	~
	Can Be Muted		Set whether to allow muting. On, Off	~	~	~
	Mix to Floor	₽	Set whether to mix the input sound to the floor channel. On , Off	~	~	~
	Mix to Language 1 (Only Mic/Line 1)	₽	Set whether to mix the voice being input with Language 1. On, Off	~	r	~
	Mix to Language 2 (Only Mic/Line 2)	₽	Set whether to mix the voice being input with Language 2. On, Off	~	~	~
A	ux		Configure the external input settings, such as audio type and level.			
	Type IIII Input Type	₽	Set the external input type. Analog, Dante	_	_	~
	Input Gain	•	Set the nominal level of the external input. Displayed when [Type] is set to [Analog]. Line OdBV, -10dBV, -20dBV	~	r	~
	Level IIII Level	₽	Set the input level of the external input. -∞, -120 to +10dB (0dB)	~	~	~
	Level Meter		Displays the input level on a level meter.	~	~	~

	Low Cut		Enable/disable low frequency reduction for the external input. On, Off	~	~	~
	Mix to Floor Mix to Floor	6	Set whether to mix the external input sound to the floor channel. On , Off	~	~	~
	Mix to Language 1	•	Set whether to mix the voice being input with Language 1. On, Off	>	~	~
	Mix to Language 2	₽	Set whether to mix the voice being input with Language 2. On, Off	~	~	~
Re	turn 1-2		Configure the level of the return input and the EQ pattern for the return input.			
	Input Gain	•	Set the nominal level of the return inputs. +4dBu , Line 0dBV	~	~	~
	Level	P	Set the input level of the return input. $-\infty$, -120 to +10dB (0dB)	~	~	~
	Level Meter		Displays the input level on a level meter.	~	~	~
	Low Cut	9	Enable/disable low frequency reduction for the return input. On, Off	~	~	~
Gr	oup settings					
Ga	in share					
	Bypass	6	Set whether to bypass the gain share. Group 0: On, Off Group 1 to Group 3: On , Off	~	~	~
FB	S					
	On	•	Configure the feedback suppressor (FBS) settings. Selecting the check box sets FBS of the corresponding [Audio Group] to [On] and makes the setting button (③) selectable. Click the setting button (④) to open the [Feedback Suppression Settings] screen and configure advanced settings. Group 0: On , Off Group 1 to Group 3: On, Off	7	7	v
Fe	edback Suppression Settings					
	Frequency	₽*	 Detects feedback and displays the frequency with the notch filter applied. When [Static] is set to [Off], the frequency dynamically changes according to feedback detected. * When [Static] is set to [On], the [Frequency] value is included in the preset setting as the frequency of the static filter. 	~	~	v
	Fixed	•	Lock the filter frequency by switching to the static filter. On, Off	~	~	~
	Reset		Unlock all locked frequencies.	~	~	~
	Detection	•	Configure the detection sensitivity of feedback frequency. Low, Mid , High	~	٢	~
	Response	9	Configure the detection speed of feedback frequency. Slow, Fast	>	~	7
	Group 0: Mix to Floor	•	Mix the voice of [Group 0] with the Floor. On, Off	~	~	~
	Group 1: Mix to Language 1	•	Mix the voice of [Group 1] with Language 1. On, Off	~	~	~
	Group 2: Mix to Language 2	•	Mix the voice of [Group 2] with Language 2. On, Off	~	~	~
	Group 3: Mix to Language 3	9	Mix the voice of [Group 3] with Language 3. On, Off	~	~	~

0	utput Settings	Configure the output audio-related settings for each of OUTPUT terminals 1 to 4.			
0	utput Destination 1 - 4		~	~	~
	Source P	Set the audio source to output. Floor, Group 0, Group 1, Group 2, Group 3, Language 1, Language 2, Language 3 (The default settings are as follows:	v	v	v
		Output 1: Floor, Output 2: Group 1, Output 3: Group 2, Output 4: Group 3)			
PE (0	EQ utput 1 only)	Configure the parametric equalizer (PEQ) settings. Ticking the checkbox sets PEQ of the corresponding output to [On] and makes the setting button (③) selectable. Click the setting button (③) to open the [PEQ Settings] screen and then configure settings for each of bands 1 to 8.			
	PEQ Enabled	Switch the PEQ setting between on and off. On, Off	~	~	~
	Frequency (Band#1 - Band#8)	Set the frequency for each of [Band#1] to [Band#8]. 20Hz to 20kHz (The default setting for each of [Band#1] to [Band#8] is as follows. 25, 63, 160, 400, 1000, 2500, 6300, 16000)	~	~	r
		Set the gain for each of [Band#1] to [Band#8]. -18dB to +10dB; adjustable in 0.5dB increments (0dB)			
	Gain (Band#1 - Band#8)	• For [Band#1], [Gain] is configurable only when [Filter Type] is set to [LSH] or [PEQ].	~	•	~
		• For [Band#8], [Gain] is configurable only when [Filter Type] is set to [HSH] or [PEQ].			
		Set the Q value for each of [Band#1] to [Band#8].			
	Q (Band#1 - Band#8)	• For [Band#1] and [Band#8], the Q value is configurable only when PEQ is enabled.	~	•	r
		0.3 to 30 (10)			
	Filter Type (Band#1)	Set the filter type for [Band#1]. HPF, LSH, PEQ	~	~	~
	Filter Type (Band#8)	Set the filter type for [Band#8]. LPF, HSH, PEQ	~	•	~
	Reset	Restores specified band to the factory default settings.	~	~	~
	Reset All	Restores all bands to the factory default settings.	~	~	~
D ' (O	YN P	Configure the DYN (dynamics) settings. Ticking the checkbox sets DYN of Output 1 to [On] and makes the setting button (③) selectable. Click the setting button (④) to open the [Dynamics Settings] screen and then configure various settings as follows.			
	Enabled	Enable/disable the dynamics settings. On, Off	~	~	~
	Output 1 Level	Displays level of output 1 on a meter.	~	~	~
	Gain Reduction	Displays audio compressed by the compressor in real time.	~	~	~
	Comp/De-Esser	Changes the dynamics mode. Comp , De-Esser	~	~	~
	Comp Threshold	Configure the compressor threshold. The compressor functions only for audio signals exceeding the specified value. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/IRCUDAN. -60 to 0dB (-10)	v	V	v
	Ratio 🕞	Set the compression ratio. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/IRCUDAN. 1.4:1, 2:1 , 4:1, 6:1, 10:1, ∞:1	~	~	v
	Attack Time	Set the delay for the start of compression after audio signals exceed the threshold. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/IRCUDAN. 0, 0.25, 0.5, 1, 2, 4, 8, 16, 32, 100msec (1msec)	~	~	~

Release Time 🖻	Set the delay for the end of compression after audio signals fall back within the threshold. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/IRCUDAN. 50, 100, 200, 400, 800, 1000, 2000msec (400msec)	~	۲	~
Gain 😑	Configure the compressor gain. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/ IRCUDAN. –10 to +10dB (0dB)	~	2	~
Limiter Threshold	Set the limiter threshold. Audio signals exceeding the specified value will be cut out by the limiter. Displayed when [Comp/De-Esser Mode] is set to [Comp], for IRCU/ IRCUDAN. -60 to 0dB (-10)	~	~	~
Sensitivity 🔁	Set the sensitivity of the de-esser. Displayed when [Comp/De-Esser Mode] is set to [De-Esser]. Soft, Medium , Hard	~	٢	~
Center Frequency	Set the center frequency of the de-esser. Displayed when [Comp/De-Esser Mode] is set to [De-Esser]. 4.0kHz to 11.0kHz (6.0kHz)	~	~	V
Reduction 😑	Set the reduction of the de-esser. Displayed when [Comp/De-Esser Mode] is set to [De-Esser]. Soft, Medium , Hard	~	~	V
Level 🕒	Set the output level. -∞, -120 to +10dB (-40dB)	~	~	~
Max Volume (Output 1only)	Set the maximum volume level. -∞, -120 to +10dB	~	~	~

Conference Settings ([Conference])

Select the conference mode according to the conference operation and control method and configure detailed settings.

• The following setting items are also included in [Setup Conference] where you can configure the same settings.

• [Free Talk]

In this mode, attendees can talk when the (1/2 (talk) button is pressed or when their DUs automatically detect their voices.

• [Request Talk]

In this mode, attendees request to talk by pressing the & (talk) button on the DU and will be permitted to talk by the steering committee. The steering committee can also reject the talk request.

To operate the conference in this mode, connect the CU to a control device such as a computer.

• [Full Remote]

In this mode, utterances are totally controlled via Web Remote. The DU (65 (talk) button operations will be disabled. To operate the conference in this mode, connect the CU to a control device such as a computer.

ltem name			Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
Conference Mode			Select the conference mode and configure detailed settings			
Conference Mo	ode	•	Select the conference mode. Free Talk , Request Talk, Full Remote	~	~	~
Number of Op IIII NOM	en Mics(*1)	•	Set the maximum number of the DUs (speakers) that can talk at the same time. 10 to 1	~	~	~
Auto Mic OFF(IIII) Auto Mic C	*1) Dff	•	Set the time interval until the microphone automatically turns off after the speaker stops talking (after a soundless state is detected). 5 to 60sec, Off; adjustable in 5-second increments (Off)	~	~	~
Override Mode Mode)(*1)	e (Free Talk	6	Select the override method(*2) in [Free Talk] Mode. No Override , FIFO, LIFO	~	~	~
Override Mode (Request Talk Mode)(*1)		P	Select the override method(*2) in [Request Talk] Mode. FIFO, LIFO	~	~	~
Override Mode Mode)(*1)	e (Full Remote	P	Select the override method(*2) in [Full Remote] Mode. FIFO, LIFO	~	~	~
Maximum in Q	ueue(*1) e	P	Set the maximum number of DUs that can be in talk standby mode at the same time. 0 to 150 (50 units)	~	V	r
Mic ON Trigge for Priority(*1) OTD MicON Trig	r / Mic ON Trigger gger		Set whether to manually turn on the microphone by pressing the «½ (talk) button or to automatically turn on the microphone when a voice is detected, for all DUs. When [Conference Mode] is set to [Request Talk] or [Full Remote], this item switches to [Mic ON Trigger for Priority], which is the setting for priority DUs. All Button Toggle , All Push to Talk, All Voice (Individual*) * The setting value that is displayed is based on the settings for each DU. When all DUs are set to the same method to turn on the microphone, that mode is displayed. If there is a mixture of modes, then [Individual] appears. However, [Individual] cannot be executed as a function.	2	v	v
Mic ON Hold Ti OTED MicON Ho	i me(*1) Id Time	₽	Specify the time until the microphone automatically turns off on DUs where [Mic ON Trigger] is set to [Voice]. The microphone automatically turns off when the attendee keeps silent for the specified time. 1.0 to 10.0 seconds; adjustable in 0.5-second increments (2.5 seconds)	~	V	r
Priority Mode			Set the operation when the user of the priority DU (> page 23) presses and holds the DU (v ຊ໌ (talk) button.			
Interrupt Optio	on(*1)	•	Set whether the priority DU user cuts short or temporarily mutes other DU users by pressing and holding the 6/2 (talk) button. Cut, Mute	~	~	~

SFX 1-3 Setting		It is possible to re saved to a USB de A maximum of 3 a displayed on the	eplay any audio file, such as a evice (mass storage device). audio files can be registered [Audio Control] screen. () pa	buzzer or chime that has been and assigned to the 3 buttons age 34).			
	Name D	Specify names for (Up to 15 charact SFX1 to 3	r buttons to which audio files eers)	are assigned.	v	~	r
		Follow the proceed (1) Copy audio fil of a USB device (2) Connect the U (3) Select an audio	dure below to register audio f es (up to 30 files) that you w ce (mass storage device) JSB device (mass storage dev o file from the [Source] pullo	iles. ant to play to the root directory ice) to CU lown list			
		Playback(*1)					
		347.437	Data length	16bit, 24bit		~	
	Source 🕒	WAV	Sampling frequency	48kHz	~		~
		MD2(*2)	Bit rate	32-320kbps			
		MF3(2)	Sampling frequency	48kHz			
		Maximum file si	ze	2GB			
		Maximum numb	er of files	30files			
		*1 Supported file systems: FAT16/FAT32 *2 Supported on MPEG-1 Audio Layer-3 only.					
Floor Output Sound when all Mics Muted							
	Source 🕞	Select the source Off , Mic/Line 2, * Supported on IF	to play when DU mics are tu Chime*, Pink Noise RCU and IRCUDAN only.	rned off.	v	~	~
	Level D	Select the volume $-\infty$, -120 to +10d	e of the source to play when I IB (0dB)	DU mics are turned off.	~	~	~

*1 About setting changes

Settings can be changed when all DUs are in the Talk OFF state.

*2 About the override setting

Specify which DU (speaker) is cut short and which DU's request will be permitted if the number of DUs (speakers) who can talk at the same time has already reached the specified maximum limit ([Number of Open Mics]) and more attendees press the $\frac{1}{2}$ (talk) button.

FIFO (First-In First-Out):

Cuts short the speaker who was least recently permitted to talk and permits the person who has just pressed the (2 (talk)) button to talk.

LIFO (Last-In First-Out):

Cuts short the speaker who was most recently permitted to talk and permits the person who has just pressed the w_{ϵ}^{\prime} (talk) button to talk.

No Override: (unselectable while in [Request Talk] Mode or [Full Remote] Mode) The person who has just pressed the 1/2 (talk) button will be in talk standby and will be permitted to talk when his/her turn comes.

DU Settings ([DU/IU])

Item name		Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
Global DU/IU Settings		Configure DU common settings. Basically apply the common setting of the DUs to the IU/IRDUs, as well.			
Speaker Level ITT DU SP Output Lvl	₽	Set the speaker output level. 0 to 20 (10)	~	~	~
Monitor Channel Lock	9	Switch the lock function for the monitor channel selection buttons. On, Off	~	~	~
Voice Detection Sensitivity	9	Set the detection level when voices are detected in automatic mode. -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5 (0)	~	~	r
Auto relative to Mic2 Input	P	The voice detection level automatically adjusts to the level at which background noise is picked up by the MIC2 input terminal. On, Off	~	~	~

ATUC-IRDU Settings				
Multifunction LED	Set the color of IRDU Multifunction LEDs for each function; Talk ON, Queuing, Cut/Mute, and Permit Next.			
Talk ON	Select and set the color of the Multifunction LED when someone is talking. 9 colors (Red)			
Queuing 🕒	Select and set the color of the Talk LED when waiting to talk. 9 colors (Green)	_	~	~
Cut/Mute	Select and set the color of the LED when a priority DU causes cut/mute. 10 colors (Yellow)			
Permit Next 🕞	Select and set the color of the LED when talking is permitted in Request Talk mode. 10 colors (Blue)			
Low Battery (LED Blink)	Set whether to have the LED blink when the battery is low for IRDU batteries 1 and 2. Battery 1: Off Battery 2: On	_	~	V
ATUC-50DU Settings				
DU Talk LED Color(*1)	Set the LED colors for DUs (6'2 (talk). (Except for IUs)			
Talk ON	Set the (% ² ; (talk) LED color when talking. 10 colors (Red)	~	~	~
Queuing 🕒	Set the 🗤 t (talk) LED color when waiting to talk. 10 colors (Green)			
ATUC-50IU Settings				
Non-Priority IU GPIO 0	Set the GPIO of the IUs with no priority to 0. GPIO 0 , Self Mute	~	~	~
Individual DU/IU Settings	Display the DU/IU/IRDU in a list, and then do individual settings.			
Sort list	Sorts the list by "Active", "Wired Function Priority", or "Wireless Function Priority". 50CU supports "Active" only.	~	~	~
Device icons	Icons that indicate the categories of the units connected to the system.	~	~	V
LED	Check that the DU/IU/IRDU LEDs light up. The rear LED and ({{2} (talk) LED on the DU as well as the ring LED on the ATUC-M blink while the corresponding icon on the screen is lit.	~	~	~
Talk	Check the talk status of each DU.	~	~	~
Priority D	Enable/disable the DU/IU/IRDU priority settings (*2). You can turn on priority for up to one unit fewer than the maximum number of simultaneous speakers () page 20). On, Off	r	~	~
Serial#	Displays the serial number.	~	~	V
Delegate Name	Assign names (e.g. attendee names) to differentiate DUs/IUs/IRDUs. You can use up to 30 characters (10 2-byte characters). (8-digit number)	~	~	~
Audio Group	The output signals from each DU/IU/IRDU can be categorized into 4 audio groups. One or more audio groups can be selected as output destination(s), and furthermore, the output terminal on the CU can be specified for each group. (Ppages 18) Group 0 , Group 1, Group 2, Group 3	~	~	V
Color 🕞	Select a color for the rear LED from the drop-down list. 10 colors (Red)	r	~	~
Operations for the DU (*3)	Select one or more DUs/IUs/IRDUs from the list and perform the following operations. Edit Detail Settings, Copy, Identify, Select all, Deselect all, Delete	~	~	~

*1: About setting changes

Settings can be changed when all DU/IUs are in the Talk OFF state.

*2: About the priority setting

Priority DU/IU(s) are given authorization to do the following:

• Talk anytime

• Cut short or temporarily mute all other attendees simultaneously

It is assumed that the priority setting is enabled on DU/IUs that are used by people in charge of the proceedings of a conference, such as a chairman or company directors who are permitted to talk anytime.

*3: DU/IU operations



1 Click ① of the DU/IU(s) for which you want to adjust the settings.

A check mark will be inserted in the checkbox.

You can also select multiple DU/IUs and simultaneously change settings of the selected DU/IUs.

2 Click ② to display the drop-down list and proceed to the following operations.

• The number displayed on ② is the number of selected DU/IUs.

Edit Detail Settings:

Simultaneously configure detailed settings for the selected DU/IUs (refer to the [DU/IU Detail Settings] table below). When multiple DU/IUs are selected, setting items for which the current values differ among the DU/IUs will be grayed out.

• Items which remain grayed out: Setting values of each DU/IU are retained.

• Grayed out items which become selectable after operation: Setting values of all selected DU/IUs will be changed to the displayed values.

Copy:

Copies settings of the selected DU/IU and pastes to other DU/IUs.

- ① Select 1 DU from which you want to copy settings.
- 2 Select [Copy] from the drop-down list. All checkboxes, icons and the like except DU/IU select checkboxes will be unselectable.
- 3 Select the DU/IU(s) to which you want to paste the settings.
- ④ Press the [Paste] button.

Delete:

Deletes the selected DU/IU(s) from the list. Only DU/IU(s) in a disconnected state can be deleted.

Select all:

Selects all DU/IUs.

Deselect all:

Deselects all DU/IUs.



• Depending on the DU/IU selection state, some items above may not appear.

DU/IU Detail Settings ([DU/IU Detail Settings])

Item name		Description and setting values (default settings are shown in bold)	IRDU	50DU	50IU
Microphone		Configure microphone-related settings.			
Level		Displays the level with a level meter.	~	~	~
Input Gain	6	Set the microphone input gain. -20dB to +20dB (0dB)	~	r	~
		Enable/disable AGC (Automatic Gain Control). On, Off			
AGC	6	NOTICE • When operating the system with [AGC] set to [On], set the [Mode When Talk ON] setting under [Speaker] to [Attenuation] or [Off].	~	~	~
EQ Library	P	 Set the EQ pattern for the microphone input. Flat, Neutral Male, Neutral Female, Clear Male, Clear Female, Warm Male, Warm Female, AT ES Series, AT UniPoint, (IP Remote*) * [IP Remote] appears when the equalizer is adjusted from [IP Control Settings]. [IP Remote] cannot be selected from the drop-down list. 	~	r	۲
Mic ON Trigger	6	Set whether to manually turn on the microphone by pressing the (*ź (talk) button or to automatically turn on the microphone when a voice is detected. All Voice, All Button Toggle , All Push to Talk	~	r	r
Phantom Power	9	Enable/disable the phantom power supply to the microphone. On , Off	~	~	~
Speaker					
Enabled 🕒		Enable/disable the DU/IU speaker. On , Off	~	~	~
Mode When Talk ON	₽	The attendee switches speaker mode while talking. When [Attenuation] is selected, the ducking feature lowers the volume level by -20dB (this item appears only when the speaker is enabled). On, Attenuation , Off	r	r	r
Audio Group		The CU categorizes the audio signals transmitted from the DU/IUs and then outputs the signals to the specified channels.			
Assign	6	Up to 4 channels can be specified for each DU. Multiple groups can be selected and output channels can be selected for each group (> page 18). Group 0 , Group 1, Group 2, Group 3	~	r	r
Default mode	9	Set the channel when DU starts up and when monitor channel is fixed.	~	(DUa only)	_
Rear LED Color (This is a setting item only for DUs.)					
ON	•	Set the LED on the back to on or off. Displayed when using IRCU/IRCUDAN. On , Off	~	r	_
Talk ON / Queuing	₽	Select a color for the rear LED from the drop-down list. 10 colors (Red)	~	~	_
Talk OFF	•	Set how Talk OFF is lit. Off, Dim	~	~	_
Two Person Mode					
On, Off 🕞		Set whether to allow use by two people. * When on, priority automatically turns off. On, Off	~	_	_

Pı	iority		Configure the priority (> page 23) settings.			
Enabled		₽	Enable/disable the priority setting. The maximum number of DUs that can be designated as priority DU is 1 unit less than the maximum number of DUs (speakers) that can talk at the same time (> page 20). On, Off	~	~	~
	Can Cut/Mute	₽	Set whether the priority DU user can temporarily cut short/mute other DUs. On , Off	~	~	~
	Can be Cut/Muted	P	Set whether the priority DU are temporarily cut short/muted by other DUs. On, Off	~	r	~
	Boot up Talk On	P	The mic turns on when the DU is started up. Displayed when using IRCU/IRCUDAN. On, Off	~	r	~
	Left Button Function Assign	₽	Select the function to assign to the left button. Cut/Mute , Permit Next	~	_	_
GI (T	PI Pin Settings his is a setting item only for IUs.) GPI 0 - 7	P	Set the function to assign GPI ports 0 to pin 7. GPI x (x is any port number 0 to 7): use as a general purpose input pin Self-Mute: The unit mutes the voice from its own microphone (self-mutes) Permit Next: Permits the DU on the top of the list to talk Undo Permit Next: Undo the previous permission to talk Master Volume Up: Turns up the volume for the master level Master Volume Down: Turns down the volume for the master level Recall Preset 1: Selects and recalls preset 1 Recall Preset 2: Selects and recalls preset 2 Recall Preset 3: Selects and recalls preset 3 Recall Preset 4: Selects and recalls preset 5 Recall Preset 5: Selects and recalls preset 5 Recall Preset 6: Selects and recalls preset 7 Recall Preset 8: Selects and recalls preset 8 REC Start: Starts recording REC Stop: Stops recording SFX 1: Plays and stops SFX 1 SFX 2: Plays and stops SFX 3 Mic/Line 1 Mute: Mutes Mic/Line 1 Mic/Line 2 Mute: Mutes Mic/Line 2			v

GPO Pin Settings (This is a setting item only for IUs.)			
GDO 0 - 2	 Set the function to assign GPO port 0 to port 7. GPO x (x is any port number 0 to 7): use as a general purpose output pin Self-Mute Indicator: Indicates when self-muted Lit: Self-muted Cut/Mute Indicator: Indicates when a mic is disconnected or muted Lit: Muted Blinking: Cut Preset 1 Indicator: Indicates when preset 1 is called Lit: Call done Blinking: Selecting Preset 2 Indicator: Indicates when preset 2 is called Lit: Call done Blinking: Selecting Preset 3 Indicator: Indicates when preset 3 is called Lit: Call done Blinking: Selecting Preset 4 Indicator: Indicates when preset 3 is called Lit: Call done Blinking: Selecting Preset 5 Indicator: Indicates when preset 4 is called Lit: Call done Blinking: Selecting Preset 5 Indicator: Indicates when preset 5 is called Lit: Call done Blinking: Selecting Preset 5 Indicator: Indicates when preset 5 is called Lit: Call done Blinking: Selecting Preset 6 Indicator: Indicates when preset 6 is called Lit: Call done Blinking: Selecting Preset 7 Indicator: Indicates when preset 7 is called Lit: Call done Blinking: Selecting Preset 8 Indicator: Indicates when preset 8 is called Lit: Call done Blinking: Selecting Preset 8 Indicator: Indicates when preset 8 is called Lit: Call done Blinking: Selecting Preset 8 Indicator: Indicates when SFX 1 is playing back Blinks: Playing back SFX 1 SFX 2 Indicator: Indicates when SFX 1 is playing back Blinks: Playing back SFX 2 SFX 3 Indicator: Indicates when SFX 3 is playing back Blinks: Playing back SFX 3 Undo Permit Next Indicator : Indicator for when the previous permission to talk is undone Mic/Line 1 Mute Indicator : Indicator for when Mic/Line 1 is muted Mic/Line 2 Mute Indicator : Indicator for when Mic/Line 2 is muted 		~
Voting Units Settings			
Button & LED 1 to 5	Assign the functions that can be assigned to VUs. This can only be set when a DUa, for which Priority is set to on, is connected. IP Control: Button operation (when pressed) information, and how the indicators light are controlled by IP (See the IP Control Protocol Specifications for details.) Permit Next: Permits the requesting speaker on the top of the list to talk Undo Permit Next: Undoes the previous permission to talk Master Vol Up: Increases the volume of the master level Master Vol Down: Decreases the volume of the master level Preset 1 Recall: Recalls preset 1 Preset 2 Recall: Recalls preset 2 Preset 3 Recall: Recalls preset 3 Preset 4 Recall: Recalls preset 5 Preset 5 Recall: Recalls preset 5 Preset 6 Recall: Recalls preset 7 Preset 8 Recall: Recalls preset 8 SFX 1: Plays or pauses SFX 1 SFX 2: Plays or pauses SFX 3	✔ (DUa only)	

Interpretation Settings ([Interpretation Settings])

lte	em name	Description and setting values (default settings are shown in bold)	50CU	IRCU	IRCUDAN
In	terpretation Settings	Set the interpretation mode.			
	Interpretation Mode	2 Languages, 3 Languages	~	~	~
	Easy Mode	Automatically toggles the voice on the floor with the voice of the interpreter. When [On] is set, for example, the voice on the floor is automatically output to language group 1 by putting INTs that are outputting an interpreter's voice to language group 1 on All Talk OFF.	v	v	v
		On, Off			
	Language Name		~	~	~
	Group 1	Set the Language Name for Audio Group 1. (Up to 15 characters) Language 1	V	~	v
	Group 2	Set the Language Name for Audio Group 2. (Up to 15 characters) Language 2	~	~	~
	Group 3	Set the Language Name for Audio Group 3. (Up to 15 characters) Language 3 NOTICE • Displayed only when "3 Languages" is selected in Interpretation Mode.	v	v	v
	Interlock Mode	Set Interlock Mode for interpretation units with the same settings. No Interlock, Interlock, Combine	~	~	~
IN (N	I T Unit Settings lax. 6 units)	Configure settings individually for each INT.			
	Connected INT Units	Display setting information of all INTs connected to the system. You can check and change settings.	~	~	~
	LED	Check that the INT LED lights up. The rear LED on the INT, ring LED on the ATUC-M, and (talk) LED blink while the corresponding icon on the screen is lit.	~	~	~
	Serial#	Displays the serial number.	~	~	~
	Interpretation Languages	Select the pattern for the languages to be interpreted. The language name selected from the selection list appears in [Language Name]. Additionally, patterns and the number of languages depend on the setting values of [Interpretation Mode]. If the Interpretation Mode is 2 Languages: 1: Language 1 ↔ 2: Language 2, 1: Language 1 → 2: Language 2, 2: Language 2 → 1: Language 1 If the Interpretation Mode is 3 Languages: 1: Language 1 ↔ 2: Language 2, 1: Language 1, 3: Language 3, 2: Language 2 ↔ 3: Language 3, 1: Language 1 → 2: Language 2, 2, 2: Language 3 → 1: Language 1, 2: Language 3, 3: Language 3, 3: Language 3, 4: Language 3, 4: Language 3, 4: Language 3, 3: Language 3, 4: Language 3	v	v	v
	Operations of the INT Unit Settings (*1)	5. 2	~	~	~

*1: About Operations of the INT Unit Settings

• ATU	CHR			a' a' 🚅 💷 🛛 Preset 🛛 Maanhiy	Sales Meeting +
٨	INT U	nit Settings			• •
	LED	Serial#	Interpretation Languages		
1		17000392	English <-> Japanese	Edit Detail Settin	
2		17000393	Japanese <-> English	V Deselect All	
3		17000394	Japnaese -> French	Delete	
4		17000395	English -> Japanese	~	
5		17000397	English <-> French	~	
Disc	onnected	17000399	Japanese -> French	~	
					Daak
					Daux

1 Click ① the INT(s) for which you want to change the settings.

A check mark appears in the checkbox.

You can also select multiple INTs and simultaneously change settings of the selected INTs.

2 Click (2) to display the drop-down list and proceed to the following operations.

• The number shown on ② indicates the number of the currently selected INTs.

Edit Detail Settings:

Configure the detailed settings of the INT(s) you selected (refer to the table below on detailed settings for INTs [INT Unit Detail Settings]). When multiple INTs are selected, setting items for which the current values differ among the INTs are grayed out.

• If items remain grayed out: Setting values of each INT are retained.

• If grayed out items become selectable after operation: Setting values of all selected INTs will be changed to the displayed values.

Select all:

Selects all INTs.

Deselect all:

Deselects all INTs.

Delete:

Deletes the selected INT(s) from the list. Only INT(s) that have been disconnected can be deleted.

• Depending on the INT selection state, some items above may not appear.

• There is no function to copy the settings of an INT to other INTs.

INT Unit Detail Settings ([INT Unit Detail Settings])

lte	m name	Description and setting values (default settings are shown in bold)
Mi	crophone	Configure microphone-related settings for the INT(s).
	Level Meter	Displays the level with a level meter.
	Input Gain 🕞	Set the microphone input gain. -20 to +20dB (0dB)
	AGC 🕑	Enable/disable AGC (Automatic Gain Control). On, Off
	EQ Library 🕞	Set an EQ pattern to be applied to the microphone input. Flat, Neutral Male, Neutral Female, Clear Male, Clear Female, Warm Male, Warm Female, AT ES Series, AT UniPoint, (IP Remote*) * [IP Remote] appears when the equalizer is adjusted from [IP Control Settings]. [IP Remote] cannot be selected from the drop-down list.
	Phantom Power	Enable/disable the phantom power supply to the microphone. On , Off

Recording Settings ([Recorder])

NOTICE • Recording settings can be configured only when recording stops.

tem name		Description and setting values (default settings are shown in bold)
USB Recorder Settings		
Record File Format	P	Select the conference recording format. WAV, MP3
Recording Quality	P	Set the bit rates for recording speech in MP3 format. 64, 128, 192, 256, 320 kbps
Number of Recording Channels (WAV) OLD No.of Rec CH		Set the number of recording audio channels when the recording format is WAV. 1 to 4
Number of Recording Channels (MP3) []]] No.of Rec CH		Set the number of recording audio channels when the recording format is MP3. 1 to 2
Recording Source Track1, Track2, Track3, Track4 (ITD Rec Source CH1-CH4	P	Set the recording source for each channel. Floor , Group 0, Group 1, Group 2, Group 3, Language 1, Language 2, Language 3, Remote Lang. 1, Remote Lang. 2, Mic/Line 1, Mic/Line 2, Mic/Line 1&2 Mix
Auto Track	P	Split audio files by the specified time while recording or disable this function. Off, 15 min, 30 min, 1 hour, 2 hours
Rec Filename Prefix	P	Specify prefix for recorded audio files. Up to 30 characters can be used. (Some characters cannot be used (>ATUC-50/ATUC-IR Instruction Manual (Main Unit Edition)). The default setting is atuc-50 .)

Accessing your presets ([Presets])

Recall, save, import/export presets.

• ATI	JC-IR				~ • > > > ====	Preset	(Monthly Sales Meeting)
	Settings & Maint	enance					🔺 🔺
>	System Settings	Prese	ts				
>	Install Settings			Preset Name			Boot Up Preset
~	Presets	2	0	Monthly Sales Meeting			
0	Presets	3	0	Preset 3			
>	Logging	4	0	Preset 4			
		5	0	Preset 5			×
>	System Info	6	0	Preset 6			
		7	0	Preset 7			
			0	Preset 8			
		Brow	se DU F	firmware_DU_v104 Preset Save/Recall			Export Import

Click ○ on the right side of the preset number you want to select.

 \bigcirc will light red and the field of the selected preset will be highlighted in light blue.

2 Click the operation you want to perform.

The selected operation will be executed.

Export (Export Presets):

Exports the preset data to an external device. From the pop-up window, select the folder where you want to export the data.

Import (Import Presets):

Imports the preset data that was exported to an external device. From the pop-up window, select the preset data file you want to import.

• To edit the preset name, click the name. You can use up to 30 characters.

• If you want to do settings to call a specific preset while the system is starting, select that preset's number.

3 Set the "Wired DU Preset Save/Recall" item.

You can set whether to link the preset registration by topology or serial number. (**Topology**, Serial Number)

Log management ([Logging])

Configure the system log settings. You can also download the log file.

ATUC-IR			·≪ ∎ ୬°୬′≓ 📼	Preset	Monthly Sales Mee	ting 🔹
🕼 Settings & Main	tenance				•	•
> System Settings	Logging					
> Install Settings	Enabled	-				
> Presets	Output Destination	USB	~			
✓ Logging	Log File	Downlo	ad			
 Logging 						
> System Info						
				_		_
					App	oly

Enabled (Logging):

Set whether to save the system log. (**On**, Off)

Output Destination (*Destination*):

Set whether to export the log file to a USB device (mass storage device). (Internal, USB)

Log File:

Select the download destination and download the log file to the specified destination.

Displaying the system information ([System Info])

Display the system information such as the firmware version, various network setting statuses, and unit serial numbers.

ATUC-IR		Preset	Monthly Sales Mee	ting•
(A) Settings & Mainte	enance			•
seconds a manite	marree			
> System Setting	System Info			
	General			
	Device Name: ATUC-IRCU 1			
> Install Setting	Serial Number: 00210541			
	Firmware Version: 01.00.00			
> Pattern Procet	ATUC-IR Infrared Firmware Version: 01.01.02			
> ratterrieset	CU Display / LED Error Notice: On			
	2 2			
> Logging	Network			
	IP Config Mode: Auto			
	IP Addresss: 192.168.13.165			
 System Info 	Subnet Mask: 255.255.255.000			
	Gatewary Address: 192.168.13.254			
System Info	MAC Address: C2-8A-bE-EA-7B-AC			
	Allow Discovery: ON			
	P Control Port Number: 17300			
	Notification: ON			
	Audio Level Notification: ON			
	Multicast Address: 255,000,000,000			
	NTP-ON			
	NTP Server Address: 192 168 25 211			
	NTP Port Number: 123			
	Time Zone: UTC-9:00			
	Date			
	Dendos Namer ATLIC-IP as 7b ar			
	Software Version: 10.22.53.21			
	Firmware Version: 11.25.57.98			
	Configration Mode: Redundant Audio			
	Connection Status(Primary): 1Gbps			

Preparing for conferences ([Setup Conference])

To handle many different types of conferences using a conference system, it is recommended to preset multiple types of conference settings. Basic conference preparation can be carried out simply by recalling the preset that best suits an upcoming conference. Up to 8 conference settings can be preset.

You can also change settings saved on the recalled preset to suit the upcoming conference.

Prepare for the upcoming conference in 3 steps by utilizing the preset function.

1 Recalling the preset ([Recall Preset])

The [Recall Preset] screen will appear if you click [Setup Conference] on the Home screen (> page 6).

ATUC-IR			Preset	Monthly Sales Meet	ing 🔹
Recall Preset				٠	•
	Current Settings	ŝ			
	1: Board Meeting	J			
	2: Monthly Sales Me	eting			
	3: Preset 3				
	4: Preset 4				
	5: Preset 5				
	6: Preset 6				
	7: Preset 7				
	8: Preset 8				
	1 2 3 4			Nex	t

For starting a conference using the most recently used conference setting (Current Settings) or one of the preset settings, follow the procedure below to display the [Conference Manager] screen.

1 On the [Recall Preset] screen, select [Current Settings] or your desired preset and then click [Next].

• To configure settings based on the current setting, select [Current Settings].

• ATU				Preset	(Monthly Sales Mee	sing •
	Recall Preset				-	•
		Current Setting	s			
		1: Board Meetin	g			
		2: Monthly Sales Me	eeting			
		3: Preset 3				
		4: Preset 4				
		5: Preset 5				
		6: Preset 6				
		7: Preset 7				
		8: Preset 8				
		1 2 3 4			Ne	xt
L						_

Recalls the preset and then displays the [Conference Settings] screen.

2 Changing the conference settings ([Conference Settings])

1 Change the settings as necessary and then click [Next].

Conference Mode			Priori	ty Mode		
Free Talk R	equest Talk Ful	I Remote	Interrup	t Option	Cut	~
Number of Open Mics	10	~	SFX S	Settings		
Auto Mic OFF	10 sec	~	SFX1	Name	Buzzer 1	
				Source	SFX_Buzzer1.wav	~
Override Mode	No Override	~	SFX2	Name	Buzzer 2	
Maximum in Queue	150	~		Source	SFX_Buzzer2.wav	~
			SFX3	Name	Chime	
Mic ON Trigger	All Voice	~		Source	Chime.wav	~
Mic ON Hold Time	2.5 sec	~				

Saves the settings and displays the [DU/IU Settings] screen.

3 Adjusting the DU/IU settings ([DU/IU Settings], [DU/IU Detail Settings])

Configure DU/IU settings and DU/IU detail settings.

1 Change the settings as necessary.

To configure detail settings:

Proceed to step 2.

To finish settings without configuring detail settings:

Click [Next], then click [Done].

			Priority	Delegate Name	A	udio	Group			Calar	
			Flionty	Delegate Malile	0	•	1	2	3	COIOF	
18 DU	2	15		Edward Elric	-	1				~	
[6-1	φĘ		Nico Robin						~	
	6-2	55		Horace Slughorn							
	7	•	*	Ellen Yeager	E		4			~	E
8		65	☆	Santiago Hermandez			*				C
8.	2		☆	Linh Thi Nguyen			~	~			
e.		34		Lucia Garcia			¥	*			
P	4	-	*	Emma Smith		1	4	V			
8	5	-8		Bun Muller					4	~	
P		69	*	Alexander Smirnov					~	~	
P	7	₽ ⁵	*	Sakura Haruno						~	
P	Disconne	cted	*	Lee Kim		2					
8	Disconne	cted		Miquel Silva		2					

• For details on each setting item, refer to the [DU/IU Settings] item table () page 21).

2 Click ① of the DU/IU(s) for which you want to change the settings, to enter a ✓ mark.



- From the drop-down list (2), you can select/unselect all DU/IUs.
 - The number shown on (2) indicates the number of the currently selected DU/IUs.
 - (1) and (2) will not appear if the currently logged in Operator is not permitted to access these settings.

3 From the drop-down list (2), click [Edit Detail Settings].

Displays the [DU/IU Detail Settings] screen and enables you to configure DU/IU detail settings.

4 Configure DU/IU detail settings and click [Apply] to apply the changes.

Microphone		Speaker	
Level Meter	-50 -40 -30 -30 -12 -4 -0 -4 -12 P	Enabled	-
Input Gain	✓ -10 dB ▲ x5 st	Mode When Talk ON	ON
AGC	-	Audio Group / Mor	nitor
EQ Library	Warm Male	Audio Group	0 1 2 3
Mic ON Trigger	Push to Talk	Default Monitor CH	Group 1
		Rear LED Color	
		ON	-
		Talk ON / Queuing	~
Device ID : 12			Close Apply

Returns to the [DU/IU Settings] screen.

- For details on each setting item, refer to the [DU/IU Detail Settings] item table (> page 24).
 - When multiple DUs/IUs are selected, setting items for which the current values differ among the DUs/IUs will be grayed out. These setting items cannot be adjusted.
 - The [Phantom Power] setting for DUs/IUs can be configured from [Settings & Maintenance] → [Install Settings] → [DU/IU] → [Individual DU/IU Settings] → [Connected DUs/IUs] → [Edit Detail Settings] → [DU/IU Detail Settings] () page 24).

5 Click [Done] on the bottom right of the screen.

The [Conference Manager] screen under [Start Conference] appears (> page 33) indicating that the system is ready to start the conference.

Operating and controlling conferences ([Start Conference])

The [Start Conference] screen is displayed by clicking [Start Conference] (> page 6) or after finishing conference settings from [Setup Conference].

Operate and control a conference underway. You can also change detailed settings of the conference underway.

Using the tabs on the upper side of the screen, conference mode can be switched between the following 3 modes.

1 [Conference Manager]

- Settings and management for attendees
- Utterance control
- DU/IU detailed settings

2 [Audio Control]

- Speech output level adjustment
- Conference recording operations
- Audio playback operation such as chime

3 [Conference Settings]

- Conference mode settings and various detailed settings
- Audio playback settings such as chime

1 Operating conferences ([Conference Manager])



- Select [All] to display all connected DU/IUs or [Active] to display currently talking speakers.
- (2) Displays the [Audio Control] screen (> page 34).
- (3) Displays the [Conference Settings] screen () page 34).
- ④ Displays the [DU/IU Detail Settings] screen (> page 32).
- (5) Indicates the number of speakers currently talking. The numerator is the number of people speaking and the denominator is the maximum number of people that can speak at one time.
- 6 Cuts short all currently talking DU/IU users.

- $\ensuremath{\overline{\textbf{7}}}$ Set MIC/LINE to on or off.
- (8) Perform the recording operations. See "Recording operations"() page 34).
- O Click repeatedly to adjust the volume level. Click the up/down
 buttons to adjust the volume level for OUTPUT 1.
- 10 You can adjust the level in 10 increments by adding a check mark.
- *1 From the [Conference Manager] screen, the [Priority] and [Color] settings are not configurable.
- *2 When the Operator access authority is set to [Limited], these items are not displayed.



When in Request Talk Mode:



In Request Talk Mode, in addition to the DU/IU list, the list of DUs requesting to talk can also be displayed.

- 1) The number of DUs requesting to talk
- 2 Permits the DU on the top of the list to talk
- (3) Permits the corresponding DU to talk
- ④ Undo permission to request to talk.
- (5) Opens/closes the request list
- 6 Cancels all requests to talk
- (7) Cancels request to talk from the corresponding DU

Recording operations:

Recording operations such as starting and stopping recording can be performed either on the [Conference Manager] screen or on the [Audio Control] screen () page 34). On the [Audio Control] screen, you can both configure the advanced audio-related settings and perform audio operations.

Perform the recording operations using the following 3 buttons available at the bottom of the [Conference Manager] screen.

Recording/Pause button

Starts and pauses recording. Switches each time it is pressed.

Stop button Stops recording.

About button colors:



Buttons in this color cannot be operated.

Buttons in this color can be operated.

Buttons in this color are currently being operated. If you press a button, the button turns this color.

2 Configuring the advanced audiorelated settings and performing audio operations ([Audio Control])

Click the [Audio Control] tab to proceed to the [Audio Control] screen.

You can perform the recording operations and configure the advanced audio-related settings on one screen.



- 1) This is the OUTPUT 1 level meter and indicates the level of audio output from OUTPUT 1.
- (2) Adjust the OUTPUT 1 level. Be sure not to light up the red indicator (PK) of the level meter ① while adjusting the level.
- (3) Set MIC/LINE 1 to on or off.
- (4) Level meter for input. Indicates the level of audio input to MIC/ LINE 1.
- (5) Adjust the input level. Be sure not to light up the red indicator (PK) of the level meter ④ while adjusting the level.
- 6 Adjust the SFX playback level while checking the level with the level meter 1) etc.

- (7) These are SFX operation buttons. Audio files set from [Conference Settings] are played (> page 31). Pressing an SFX button plays the corresponding audio file. Click the button again to stop playing.
- (8) This is the recording level meter and indicates the level of the voice currently being recorded. (Even in recording pause mode, the voice level meter activates when detecting voices.)
- (9) Adjust the recording level. Be sure not to light up the red indicator (PK) of the recording level meter (5) while adjusting the level.
- 10 This is the elapsed recording time.
- (1) This is the available recording time.



• The operation and setting items other than ① to ⑧ described above are the same as the items on the [Conference Manager] screen (> page 33).

3 Configuring conference settings ([Conference Settings])

Click the [Conference Settings] tab to display the [Conference Settings] screen.

According to the conference control and operation methods, select conference mode and configure detailed settings. The operations and settings are the same as [Settings & Maintenance] \rightarrow [Install Settings] \rightarrow [Conference] (\rightarrow page 20).

Information

Troubleshooting

If a problem should arise, first check the following:

- 1. Check your connections.
- 2. Verify that the system is being operated as described in this instruction manual.
- 3. Check that the external devices are operating properly. Check the operation while the devices are not connected to the CU.
- 4. Restart your network devices.

If any unit in the system is not operating properly, check the items listed in the table below. If the symptom is not covered on the checklist below, contact your local Audio-Technica dealer.

When you contact us, you may be asked the firmware version. Please check the firmware version by following the procedure below.

To check from Web Remote:

 $[\texttt{Settings \& Maintenance}] \rightarrow [\texttt{System Settings}] \rightarrow [\texttt{Utilities}]$ or

 $[\texttt{Settings \& Maintenance}] \rightarrow [\texttt{System Info}]$

Symptom Cause/Solution		Page
"Locate" does not recognize the CU that you want to control via Web Remote.	Check the connections of units including the CU and the control device such as a computer.	ATUC-50/ ATUC-IR Instruction Manual (Main Unit Edition)
	Check that the CU and the control device such as a computer are connected to the same network.	_
When multiple CUs are cascaded and CU LINK is functioning, the CU(s) is grayedChe CU you want to control via Webout on "Locate" while it is set to [Extension] from [General] → [CU Link Settings] →Remote is grayed out on "Locate."[Primary/Extension].Check the setting again.Check the setting again.		page 8
Competent Will Demote an annu	Check that the control device is connected to a correct access point.	-
control device such as a tablet or iPad.	Check that the CU and the control device such as a tablet or iPad are connected to the same network.	-
You forget the password.	 Follow the procedure below to reset the password. ① Display the HOME screen of the CU display and then while pressing down the BACK button on the CU front panel, rotate the jog dial clockwise until it clicks 3 times. ② While pressing down the BACK button, rotate the jog dial counterclockwise until it clicks 3 times. ③ While pressing the BACK button, press the ENTER button. 	ATUC-50/ ATUC-IR Instruction Manual (Main Unit Edition)

Error messages

- Error messages displayed on the Web Remote screen and CU displays are as follows.
- The states of the CU LED error indicators are described together with the CU display error messages.
- If the same error persists even after the following remedies are taken, or when the unit(s) requires repair or parts replacement, contact your local Audio-Technica dealer.

	Web Remote	CU display (LED indicators)	State/remedies
1	Resume Data Error	Resume Data Err	 Failed to read the resume information. The unit was started up using the second from the last setting or default setting. Although there is no functional limitation, be sure to restart the unit to check that the same error does not occur again.
2	Preset Data Error	Pst Data Err	 Failed to read the preset data. This error may occur when you recall the default preset or the preset which you successfully recalled last time. Although there is no functional limitation, be sure to restart the unit to check that the same error does not occur again.
3	DU Power Error	DU Power Err (DU CHAIN: blinks green)	 An error occurred when power was supplied to the DU. Voltage may fall at the 48V output. ①After disconnecting all DUs from the CU, restart the CU. If the same error occurs again, the CU requires repair. ②If the same error does not occur again in ① but the error occurs again after connecting the DUs, there may be a damaged cable or DU. Identify the damaged cable or DU for replacement or repair.
4	DU Communication Error	DU Comm Err (DU CHAIN: blinks green)	DU individual settings cannot be configured. • Check that there is no DU connection error.
5	DU Ring to Daisy	DU Ring to Daisy (DU CHAIN: blinks green)	The DU topology has been changed (from ring to daisy).If this error occurs even though you did not change the DU connection, check that there is no DU connection error.
6	DU Daisy to Ring	DU Daisy to Ring (DU CHAIN: blinks green)	The DU topology has been changed (from daisy to ring).If this error occurs even though you did not change the DU connection, check that there is no DU connection error.
7	Number of DU Decreased	DU Number Decrease (DU CHAIN: blinks green)	The number of connected DUs decreased.If this error occurs even though you did not change the DU connection, check that there is no DU connection error.
8	DU Exceeds 100 Units	DU Exceeds 100pcs (DU CHAIN: blinks green)	More than 100 DUs are connected to the DU CHAIN A/B/C/D terminals in total. • Connect 100 DUs or less to each CU.
9	INT Unit Exceeds 6 Units	INT Exceeds 6pcs (DU CHAIN: blinks green)	More than 6 INTs are connected to the DU CHAIN A/B/C/D terminals in total. • Connect 6 INTs or less to CU.
10	DU A/B: Exceeds 50 Units	DU A/B Exceeds 50pcs (DU CHAIN: blinks green)	More than 50 DUs are connected to the DU CHAIN A/B terminals in total. • Connect 50 DUs or less to the DU CHAIN A/B terminals in total.
11	DU C/D: Exceeds 50 Units	DU C/D Exceeds 50pcs (DU CHAIN: blinks green)	More than 50 DUs are connected to the DU CHAIN C/D terminals in total. • Connect 50 DUs or less to the DU CHAIN C/D terminals in total.
12	CU Communication Error	CU Comm Err (CU LINK: blinks green)	A communication error occurred between the CUs. • Check that there is no CU connection error.
13	CU Link OFF	CU Link OFF (CU LINK: blinks green)	CU Link is cancelled. • If this error occurs unexpectedly, check that there is no CU connection error.
14	Network Communication Error	Network Comm Err (REMOTE: blinks green)	 (1) A network communication error occurred. (2) An IP command communication error occurred. Check that there is no network connection error.
15	USB Access Error	USB Access Err	 An error occurred when accessing the USB device (mass storage device). Check that the USB device (mass storage device) has no problems. Check that the same error does not occur with another USB device (mass storage device).

	Web Remote	CU display (LED indicators)	State/remedies
	USB Format Error	USB Format Err	There is a problem with the USB device (mass storage device).
16			• Check the format of the USB device (mass storage device).
			• Use a USB device (mass storage device) formatted with FAT16 or FAT32.
	Failed	Failed	(1) The setting cannot be configured due to some system errors.Try to configure the setting again and check whether the same error occurs again.
17			 (2) Playback operation cannot be performed. Check that the USB device (mass storage device) is connected properly. Check that the file you want to play is in the USB device (mass storage device). Check that the format of the file you want to play is correct. (You can check by, for example, playing the file with another playback device.)
			 (3) Recording operation cannot be performed. Check that the USB device (mass storage device) is inserted in the CU. Check that write protection is disabled on the USB device (mass storage device). Check the space available on the USB device (mass storage device). Check that the USB device (mass storage device) has no problems. Check that the same error does not occur with another USB device (mass storage device).
18	File Export Failed		 (4) The preset data cannot be exported. Check that the USB device (mass storage device) has no problems. Check that the same error does not occur with another USB device (mass storage device).
19	File Import Failed		 (5) The preset data cannot be imported. Check that the USB device (mass storage device) has no problems. Check that the same error does not occur with another USB device (mass storage device).
20	USB Write Error	USB Write Err	 The data log cannot be saved onto the USB device (mass storage device). Check that the USB device (mass storage device) is inserted to the CU. Check that write protection is disabled on the USB device (mass storage device). Check the space available on the USB device (mass storage device). Check that the USB device (mass storage device) has no problems. Check that the same error does not occur with another USB device (mass storage device).
21	Failed. Please turn power OFF.	CU FW Update Err Please Turn Pwr OFF	An error occurred during the CU firmware update. • Turn off the power and restart the CU.
22	Failed. Please turn power OFF.	IRCU FW Update Err Please Turn Pwr OFF	An error occurred during the IRCU firmware update. • Turn off the power and restart the system.
23	Failed. Please turn power OFF.	DU FW Update Err Please Turn Pwr OFF	 An error occurred during the DU firmware update. Turn off the power and restart the CU. (When the update cannot be performed for the 1st DU, or an error occurs during the update process and the update cannot be continued.)
24	Failed. Please turn power OFF.	DUa FW Update Err Please Turn Pwr OFF	 An error occurred during the DUa firmware update. Turn off the power and restart the CU. (When the update cannot be performed for the 1st DUa, or an error occurs during the update process and the update cannot be continued.)
25	Failed. Please turn power OFF.	INT FW Update Err Please Turn Pwr OFF	 An error occurred during the INT unit firmware update. Turn off the power and restart the CU. (When the update cannot be performed for the 1st INT, or an error occurs during the update process and the update cannot be continued.)
26	Failed. Please turn power OFF.	IU FW Update Err Please Turn Pwr OFF	 An error occurred during the IU firmware update. Turn off the power and restart the CU. (When the update cannot be performed for the 1st IU, or an error occurs during the update process and the update cannot be continued.)

	Web Remote	CU display (LED indicators)	State/remedies
27	Completed except serial numbers below. Please turn power OFF. XXXXXXXX XXXXXXXX (Displays a list of 8-digit serial numbers of DUs for which the update cannot be performed.)	Part of DU Failed Please Turn Pwr OFF	 The DU firmware update has been completed but the update cannot be performed for some DUs. ① The serial numbers of DUs for which the update cannot be performed will be listed on the pop-up screen. Write them down. ② Turn off the power. ③ Disconnect the DUs with the serial numbers you wrote down. ④ Perform forced update for the DUs you disconnected in step ③. For details on how to perform the forced update, contact your local Audio-Technica dealer.
28	Completed except serial numbers below. Please turn power OFF. XXXXXXXX XXXXXXXX (Displays a list of 8-digit serial numbers of DUas for which the update cannot be performed.)	Part of DUa Failed Please Turn Pwr OFF	 The DUa firmware update has been completed but the update cannot be performed for some DUas. ① The serial numbers of DUas for which the update cannot be performed will be listed on the pop-up screen. Write them down. ② Turn off the power. ③ Disconnect the DUas with the serial numbers you wrote down. ④ Perform forced update for the DUas you disconnected in step ③. For details on how to perform the forced update, contact your local Audio-Technica dealer.
29	Completed except serial numbers below. Please turn power OFF. XXXXXXXX XXXXXXXX (Displays a list of 8-digit serial numbers of INTs for which the update cannot be performed.)	Part of INT Failed Please Turn Pwr OFF	 The INT unit firmware update has been completed but the update cannot be performed for some INTs. ① The serial numbers of INTs for which the update cannot be performed will be listed on the pop-up screen. Write them down. ② Turn off the power. ③ Disconnect the INTs with the serial numbers you wrote down. ④ Perform forced update for the INTs you disconnected in step ③. For details on how to perform the forced update, contact your local Audio-Technica dealer.
30	Completed except serial numbers below. Please turn power OFF. XXXXXXXX XXXXXXXX (Displays a list of 8-digit serial numbers of IUs for which the update cannot be performed.)	Part of IU Failed Please Turn Pwr OFF	 The IU firmware update has been completed but the update cannot be performed for some IUs. ① The serial numbers of IUs for which the update cannot be performed will be listed on the pop-up screen. Write them down. ② Turn off the power. ③ Disconnect the IUs with the serial numbers you wrote down. ④ Perform forced update for the IUs you disconnected in step ③. For details on how to perform the forced update, contact your local Audio-Technica dealer.
31	Data acquisition error.	Data Acquisition Err	Failed to acquire data through operation via Web Remote or the CU display. • Perform the operation again and check whether the same error occurs.
32	Unable to Set	Unable to Set Can't.ReducePriority	 (1) Unusable characters are contained in the string of letters you have entered. Delete unusable characters. (2) The change cannot be applied because the entered values are out of the permitted range or the change is not allowed. Enter values within the permitted range. Check that the unit is in a state where changes are allowed and then perform the operation again and check whether the same error occurs. (3) The setting of [Number of Open Mics] (NOM) cannot be changed due to the current number of priority DUs. Set a different number for [Number of Open Mics] (NOM) or change the
	All DUs will be turned off to	Turn OFF All DU?	number of priority DUs. (4) Since recording, recording pause, or file reading process is under way, any
	apply the changes. Do you wish to proceed?		recording-related settings cannot be configured. • Stop recording and then perform the operation again.
33			 (5) You must turn off the microphones for all of the DUs in order to change the settings. Selecting [Yes] forces the microphones for all of the DUs off and changes the settings.

	Web Remote	CU display (LED indicators)	State/remedies
34	Unable to control.	Unable to Ctrl	 (1) Since recording, recording pause, or file reading process is under way, the operation cannot be performed. (2) Due to other reasons, the operation cannot be performed. (Operations except changing settings cannot be performed.) Stop recording and then perform the operation again.
35	Number of IRDU exceeds available IR Bands	Pst Recall Err	The preset file cannot be read. The number in [Number of Open Mics] exceeds the number of [IRDU Band] that are enabled. • Set [Limit NOM to Enabled IR Bands] in [Infrared Settings] to [Off].
36	Dante Communication Error	Dante Comm Err	A communication error occurred with the Dante board.Turn off the power and restart the system. Confirm that the same error does not occur when the system is restarted.
37	Number of priority units exceeds maximum. Reduced priority channels.	-	 The number of DUs which are set as priority DUs exceeded the limit due to CU Link. Decrease the number of priority DUs. (Deactivate the priority setting for some DUs.) Check the priority DUs and change the setting as necessary.
38	Unable to set. Number of priority channels exceeds maximum.	-	The maximum number of DUs that can be designated as priority DU is 1 unit less than the specified value for [Number of Open Mics] (<i>NOM</i>). No more DUs can be designated as a priority DU. • Change the setting value for the NOM or DU priority setting.
39	Recording Failed	-	 A recording function error occurs such as a recording error not due to recording operations via Web Remote. Check that no error occurs during recording on the CU. If an error occurs, solve the problem according to the error.
40	Device ID XXX , Battery 1 Low	-	There is low remaining power in battery 1 in the IRDU with device ID XXX. • Replace battery 1.
41	Device ID XXX , Battery 1 Depleted	-	There is no remaining power in battery 1 in the IRDU with device ID XXX. • Replace battery 1.
42	Device ID XXX , Battery 2 Low	-	There is low remaining power in battery 2 in the IRDU with device ID XXX. • Replace battery 2.
43	Device ID XXX , Battery 2 Depleted	-	There is no remaining power in battery 2 in the IRDU with device ID XXX. • Replace battery 2.
44	Device ID XXX, IRDU Not Responding	-	There is no response from IRDU with device ID XXX.Refer to the installation manual to confirm that the installation environment for the IRDU and IRA is correct, and then redo the previous operation.
45	-	Boot Error XXX	An error occurred while booting the CU. (XXX indicate an error code.)Restart the CU and check whether the same error occurs. If the same error occurs again, the CU requires repair.
46	-	Chg to FreeTalk Mode	Since a communication error occurred with the control device, the conference mode will be switched to Free Talk Mode where you do not need the control device. • Check that there is no network connection problem.
47	-	Forcible FW Update	Forced update executes for the CU. • Follow the message displayed and do not turn off during the update.
48	-	Connect USB Device with FW Update File	Forced update executes (for the CU or the DU).Insert a USB control device (mass storage device) where the firmware is stored to the CU.
49	-	Warning 60D	 Even though DU topology was not changed, the number of connected units changed. Failure may have occurred in a DU in the system. If this occurs frequently, promptly contact your local Audio-Technica dealer.

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