ATND8734a

Power Module with Dante™ Network Output

Features

- **Connects directly to network via Ethernet cable—no need for expensive audio cable or soldering**
- **TB3M-type input for quick mounting of gooseneck and hanging microphone**
- **Red/green LED status indicator**
- **Input gain, low-cut filter and LED indicator ring are controlled remotely**
- **Logic input accepts external switch for connection to the Dante™ network**
- **Supprot for Dante Domain Manager and Dante AES67 mode**

Description

The ATND8734a is a Dante-enabled wall/ceiling plate power module designed for use with gooseneck and hanging microphones that have a TA3F-type connector. The power module is equipped with an RJ45 output jack that allows for easy connection to the network via CAT5e (or better) cable. Additionally, logic input screw terminals accept an external switch for connection to the Dante™ network.

The power module is equipped with an 80 Hz low-cut UniSteep® filter, three-position input gain level selector (+30 dB, +40 dB and +50 dB), and red/green LED status indicator, which can all be controlled remotely via third-party software.* Default settings for the power module are as follows: low-cut filter off, +40 dB input gain, LEDs off.

The ATND8734a features a circular cover plate that can be removed and painted with commercially available spray paint.

Installation and Operation

The ATND8734a wall/ceiling plate power module is designed to be mounted in a standard metal U.S. 2-gang electrical box. For safety and best performance, use the electrical box only for the ATND8734a; do not include any AC power conductors. Use commercially available screws to mount the power module.

Connect the TA3F-type connector on a gooseneck microphone to the TA3M-type connector on the power module. Use CAT5e (or better) cable terminated with an RJ45 connector to connect the power module to the network.

The power module is equipped with logic input screw terminals which can be used to trigger functions on compatible Dante-enabled devices, such as a video camera's pan/tilt or a rooms lighting preset.

The power module is powered by network PoE.

Architect's and Engineer's Specifications

The power module shall be of a type that can be mounted to a wall or ceiling. It shall mount in a standard 2-gang metal electrical box and have a removable, circular cover plate. The power module shall have a TB3M-type input connector, designed to work with gooseneck and hanging microphones that have a TA3F-type output connector. The power module's output connector shall be an RJ45-type with standard network protocol. Logic input screw terminals shall be provided to accept commercially available external switches. The power module shall be capable of driving a Dante audio flow. The module shall be equipped with a green connection LED that lights when a link is established between the module and another device on the network, and the LED shall blink when data is being transferred between the two.

The power module shall include: an 80 Hz "low cut" switch to tailor the low-frequency response and minimize pickup of unwanted sounds; three-position input gain control (+30 dB, +40 dB, and +50 dB); and a red/green LED indicator ring. Each of these shall be controlled via third-party software.*

The power module shall be powered by network PoE.
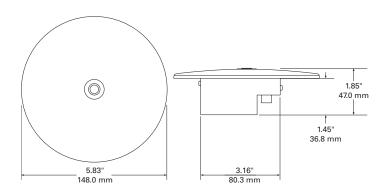
The Audio-Technica ATND8734a is specified.

* For a list of compatible third-party software consult the "About Network Audio" page at Audio-Technica.com.

Specifications

Input connector	TB3M-type
Output connectors	RJ45
Frequency response	20-20,000 Hz
Low frequency roll-off	80 Hz, 18 dB/octave
Maximum input levels	-15 dBu @ +30 dB gain
	-25 dBu @ +40 dB gain
	-35 dBu @ +50 dB gain
Dimensions	148.0 mm (5.83") Diameter x
	47.0 mm (1.85") Depth
Weight	330 g (11.6 oz)
Accessory included	Fixing screw x 4

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

Specifications are subject to change without notice.