

## Switching Hub

The ATND971a requires PoE (Power over Ethernet). Please use an Ethernet switch which supports the IEEE802.3af standard for PoE. When selecting a switch, we recommend the following:

- Gigabit ports for inter-switch connections
- Quality of Service (QoS) with 4 queues
- DSCP based QoS support with strict priority
- A managed switch to provide detailed information about the operation of each network link: port speed, error counters, bandwidth used, etc.

## IP Address

### Use with DHCP

If the microphone is connected to a DHCP server (through a DHCP-enabled router), it will automatically obtain an IP address.

\*IP addresses of all Dante devices can be found in Dante Controller.

### Use without DHCP

If the microphone is not connected to a DHCP server, it will automatically obtain an IP address using the format "169.254.\*\*\*.\*\*\*". PC or Mac TCP/IP network configuration should be set to "Obtain an IP address automatically".

<Example> IP: 169.254.100.1 Subnet mask: 255.255.0.0

\*IP addresses for all Dante device can be found in Dante Controller.

### Setting IP address manually

In the "Device View" of Dante Controller under the "Network Config" tab, it is possible to assign an IP address manually if necessary. Note that assigning static IP addresses requires a device reboot.

## Trouble Shooting

### No power

Make sure to use an Ethernet switch with PoE standard IEEE802.3af.

### No audio

Check the cable connection.

Check if the "Connection" LED is illuminating.

Check if the microphone is set to mute.

Push the "Talk Switch" to TALK (green LED).

Check if audio is muted in the PC Application.

Check routing in the Dante Controller.

\*Ensure correct device is selected.

Check volume of the device.

### Distorted sound

Lower the gain setting.

### Unable to change settings

Check if the microphone is locked.

Push the LOCK switch for about 2 seconds.

Should the microphone be in REMOTE MODE, change the setting to LOCAL MODE in the PC application. Or reset the microphone to factory default.

### The microphone does not appear in Dante Controller

Besides PC and microphone, check if there are any other Dante devices connected.

Check PC network settings.

It may be possible that the DHCP, Subnet-mask or IP address are not properly set up.

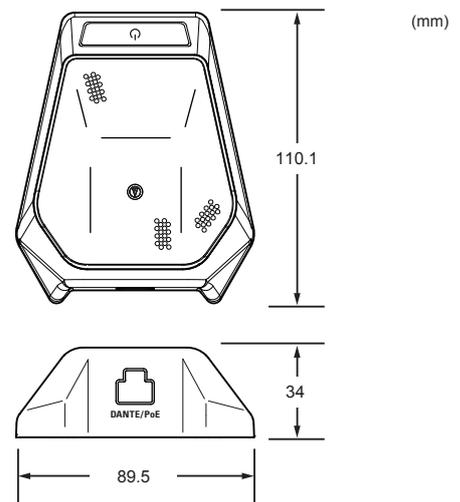
If a third party firewall is installed, read the Dante Controller User Guide regarding firewall settings.

### All bottom LEDs flash red

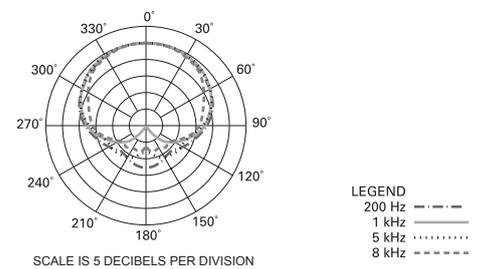
This actions shows that an error occurred.

Reset or disconnect the microphone.

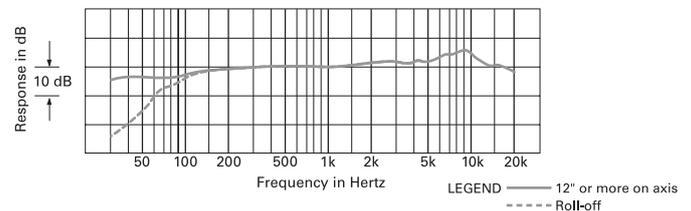
## Dimensions



## Polar Pattern



## Frequency Response



## Technical Data

Element	: Fixed-charge back plate, permanently polarized condenser
Polar pattern	: Half-cardioid (cardioid in hemisphere above mounting surface)
Frequency response	: 30-20,000 Hz
Low frequency roll-off	: 80 Hz, 18 dB/Octave
Digital audio specification	: 24 bit/48 kHz sampling
Latency	: 2.0 msec/5.0 msec *adjustable in the Dante Controller
Output connector	: RJ-45
Power requirements	: PoE IEEE802.3af, IEEE802.3at
Network interface	: 100 Mbps Ethernet, Auto negotiation, Auto MDI/MDI-X
Cable	: All above CAT 5e; 100 m maximal length *STP cable suggested
Power consumption	: 1.5 W
Finish	: Black matting
Dimensions	: H 34 x W 89.5 x D 110.1 mm
Weight	: approx. 400 g

(Subject to change without prior notice.)

For further information on product warranty and repair service, please contact the dealer where you bought the product or visit our homepage.

