



MADE IN TAIWAN

MSQ-3800D

Dante Audio Bi-directional Bluetooth I/O Adapter

Introduction

The MSQ-3800D Dante Audio Bi-directional Bluetooth I/O Adapter, designed to simplify the transmission and reception of Dante audio over IP networks. Seamlessly connect Bluetooth-enabled devices such as laptops, tablets, smartphones, headphones, and speakers to your Dante audio setup wirelessly. Experience low-latency delivery and reception of high-quality Dante audio signals across standard IP networks. With its integrated PoE (Power over Ethernet) support, MSQ-3800D can be effortlessly powered using any standard PoE network switch, providing a reliable and cost-effective solution for professional audio applications.

Features

- Wirelessly connects Dante audio networks to Bluetooth peripherals like laptops, tablets, mobile phones, headphones, or speakers
- Bi-directional Bluetooth support for seamless audio transmission in both directions
- Supports sample rates up to 48kHz
- Includes PoE (Power over Ethernet) support for convenient power delivery via standard PoE network switches
- Compatible with Dante audio over IP and AES67 RTP transport formats, ensuring versatile connectivity options

Package Contents

- 1x MSQ-3800D
- 1x 5V DC USB Wall Charger
- 1x User Manual

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Maxsquare warrants our products for a one year limited warranty. Thank you for choosing us, we appreciate if you tell us your suggestions and leave us a review on Amazon.

Specifications

Model Name	MSQ-3800D
Sample rates	48kHz
Bit Depth	24bit
Dante device latency	1, 2, or 5ms (configurable using Dante Controller)
Network transport	Dante Audio over IP, AES67 RTP
ESD protection	Human body model — $\pm 15kV$ [air-gap discharge] & $\pm 8kV$ [contact discharge]
PCB stack-up	4-layer board [impedance control — differential $100\ \Omega$; single $50\ \Omega$]
Input / Output	1x RJ-45, Bluetooth
Bluetooth	Bluetooth 5.2
RJ-45 connector	WE/SS 8P8C with 2 LED indicators

Panel Descriptions



Connection Diagram



Dante Controller [User Guide] (<https://www.audinate.com/learning/technical-documentation>)

Dante Controller provides users to configure and route audio around Dante networks. Please use it to make connections between Dante devices on your network.

Download the software (<https://www.audinate.com/products/software/dante-controller>)

Browse the download page of the Dante Controller website and create an account to download the software.

Device setup steps

1. Connect the device to Network.
2. Make sure to set up your PC/ Mac and the device in the same domain.
3. Start to use Dante Controller.

Choose A Network Switch (<https://www.getdante.com/support/faq/networks-and-switches>)

Please refer to the link to choose a Network Switch.

The selected network switch must support the following:

- Gigabit ports for inter-switch connections
- Quality of Service (QoS) with 4 queues
- Diffserv (DSCP) QoS, with strict priority
- Managed switch for detailed network link information
- IGMP snooping (routing for Dante AV devices)

Switches incompatible with Dante:

Switches with EEE support may cause poor synchronization and occasional packet loss

Warranty | For more warranty information, please check on our official website: <https://maxsquare.com.tw/warranty/> or contact support@maxsquare.com.tw