



MADE IN TAIWAN

MSQ-3100D

2CH USB Audio I/O Adapter with Lip-Sync delay function

Introduction

The MSQ-3100D 2CH USB Audio I/O Adapter with Lip-Sync delay function distributes digital audio over an IP network. The MSQ-3100D supports 2x2 channels of bi-directional audio, allowing PC and mobile devices to playback and record audio with any Dante-enabled device and transmit uncompressed, low-latency digital audio signals over a standard IP network. The MSQ-3100D additionally supports a Lip-Sync delay of up to 170ms to synchronize the audio stream to the video stream. The delay control button can add delay in increments of around 22ms between 0 and 170ms. Any computer can be connected to a Dante audio network for any audio application using the MSQ-3100D.

****Please refresh the latest firmware when first connecting to our device.****

Features

- Dante audio over IP and AES67 RTP transport formats
- Supports DHCP & static IP configuration
- Supports 48kHz sample rates
- Supports DC 5V through USB connector
- Supports to delay audio from 0-170 ms
- Adjustable Lip-Sync delay audio output
- Easily change delay increments using a push button
- Excellent dynamic range, SNR and THD performance
- Plug & play, easy to operate

Package Contents

- 1x MSQ-3100D
- 1x User Manual

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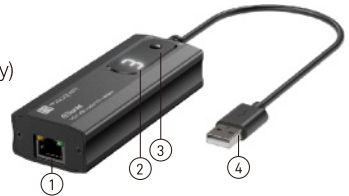
Maxsquare warrants our products for a one year limited warranty. Thank you for choosing us, we appreciate if you tell us your suggestions and leave us a review on Amazon.

Specifications

Model Name	MSQ-3100D
Sample rates	48 kHz
Lip-sync delay time	Up to 170ms
Network transport	Dante Audio over IP, AES67 RTP
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]
PCB stack-up	4-layer board [impedance control — differential 100Ω ; single 50Ω]
I/O	1x RJ-45/ 1x USB
USB connector	USB Type A
RJ-45 connector	WE/SS 8P8C with 2 LED indicators

Panel Descriptions

1. RJ-45: Dante link port
2. 7-segment LED: to show audio delay level from 0(no delay) to 8(delay 170ms)
3. Audio delay push button: to adjust delay increments
4. USB: Connect to PC/NB



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