

AUX-DANTE

64x64 channel Dante[®] Extension Card
for FLX devices

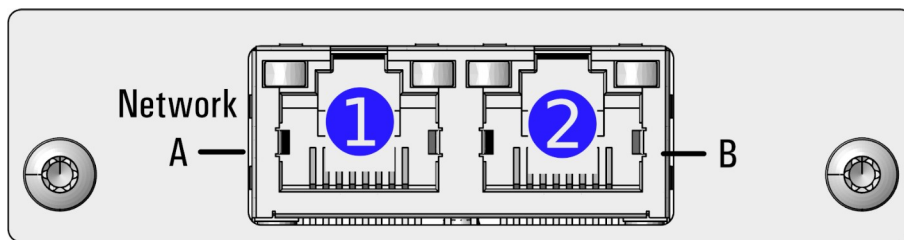
User's Manual

((en))

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1. CONNECTORS



- ① Network port A (Dante "PRIMARY").
- ① Network port B (Dante "SECONDARY")

2. DESCRIPTION

The AUX-DANTE card provides 64x64 channels of Audinate Dante® networked audio. It can be fitted into every **flexiverter (FLX)** device for the following purposes:

- to use the **FLX as standalone converter** between the built-in interface and this extension card.
- to **add extra output splits** to existing FLX devices by "tapping" channels of another conversion
- to **add additional channels/protocols to the FLX** when it is used in double-flexiverter or flexiverter + multiverter configurations

For a detailed description of possible configurations, please refer to the manual of your base FLX device.

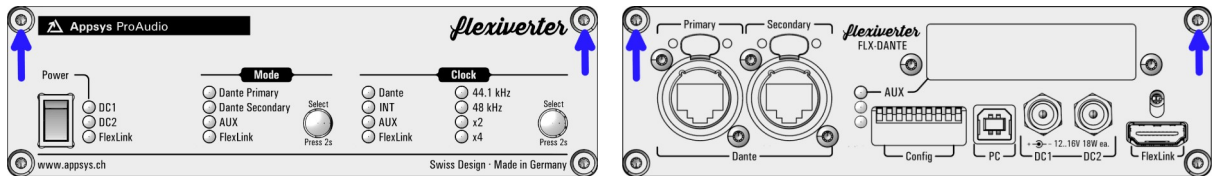
2.1. Box Contents

- 1 AUX-DANTE card
- 1 Slot cover plate
- This manual

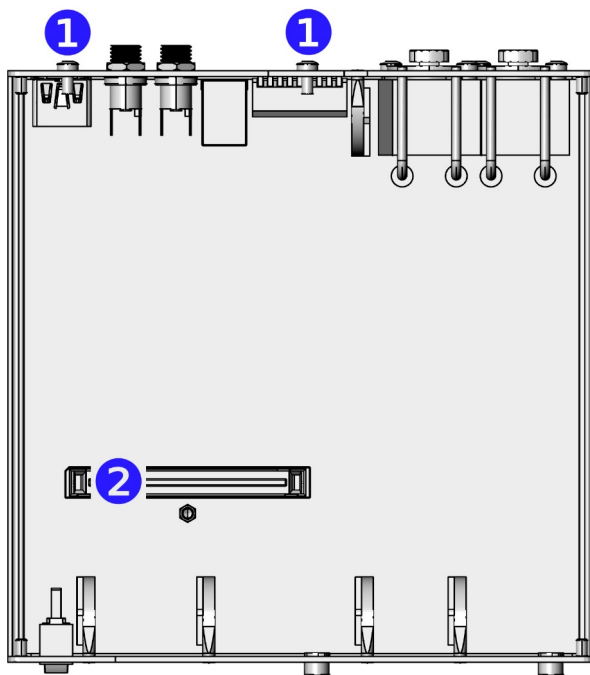
3. INSTALLATION

3.1. Opening the flexiverter

- Required: Torx T10 screwdriver
- Power off the device and detach all cables to avoid short-circuit or damage
- Detach the device from the rack-mount kit
- Remove the four top screws and the top cover by pulling it upwards:



3.2. Flexiverter Inside View



- ① Screws for AUX cover plate
- ② AUX card connector

3.3. Installing the card

- Remove the screws holding the cover plate, and the blank cover plate ①
- Insert the AUX card from inside, using the supplied cover plate. Make sure it is correctly fitted to the card connector ②
- Secure the card using two cover screws ①
- The card has been installed correctly if you are able to select an audio routing mode involving AUX (long-press MODE button to enter Route Mode Selection).




4. FIRMWARE UPDATE

The card's firmware can be updated over the network.

Use [Dante Firmware Update Manager](#) (or Dante Updater built into Dante Controller) to flash the `firmware\FLX-DANTE_x.x.x.x.dnt` file contained in the firmware package onto the device.

5. SELF-TEST

The card can be tested for correct operation by the user. This is done using the special self-test mode, in which a special random test pattern is output on all channels. This pattern is looped back into the corresponding inputs, where it is checked for consistency.

- Connect the Dante Primary port ("Network A") to your network.
- Connect the Dante Secondary ("Network B") port to a separate switch.
Note: This switch should NOT have *any other* connection to your network, otherwise there is a chance that your LANs forwarding rules are messed up– it can take hours until everything works again!
- Turn off the FLX, and hold down button while switching on again
- Press again until the "CLOCK" LEDs show "INT/48kHz" in  cyan color. The device is now in self-test mode.
- The "AUX" LED in the MODE sections shows the result of the self-test:
 -  red: error/no connection
 -  green (loopback data received ok)
- Press again or power off the device to exit self-test mode.

6. SPECIFICATIONS

Parameter	Value
Dimensions	118x80mm (WxH)
Weight	73g
Operating temperature	0.. + 55°C, non-condensing
Storage temperature	-40.. + 85°C, non-condensing
Dante Network Ports	1000BASE-T (Gigabit), compatible to 100BASE-T Primary/Secondary ports configurable as "Switched" (default) or "Redundant"
Cable lengths	100m / 300 ft.
Channel count	64x64 @ 48kHz 32x32 @ 96kHz 16x16 @ 192kHz
Sample rates	44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz

7. APPENDIX

7.1. Available AUX cards

At the time of writing (2021-11), the following AUX cards are available. More will come, please check www.appsys.ch for updates.

Item	Description
AUX-ADAT	16x16ch ADAT I/O (2x Toslink In + 2x out). Supports also S/PDIF
AUX-AES3	8x8ch AES3 I/O on 1x DB25, fully transformer isolated
AUX-AES67	64x64ch AES67 network card
AUX-AVB ¹	16x16ch / 32x0ch / 0x32ch MILAN-approved AVB
AUX-DAC ¹	8ch analog outputs (1xDB25)
AUX-DANTE	64x64ch DANTE network card
AUX-MADI-COAX	64x64ch MADI for coaxial cable (BNC connectors)
AUX-MADI-OPTO	64x64ch MADI optical, SC connector (Multimode 125um 1310 nm)
AUX-MADI-SFP	64x64ch MADI for SFP (Small-Factor Pluggable) modules
AUX-WORDCLOCK	BNC wordclock I/O

¹ Estimated availability: Q1/2022

7.2. Available FLX devices

At the time of writing (2021-11), the following FLX devices are available. More will come, please check www.appsys.ch for updates.

Item	Description
FLX-AES3	16x16 channel AES3 flexiverter (with AUX slot)
FLX-AES50	96x96 channel AES50 flexiverter (with AUX slot)
FLX-AES67	64x64 channel AES67 flexiverter (with AUX slot)
FLX-DANTE	64x64 channel DANTE flexiverter (with AUX slot)
FLX-MADI	128x128 channel MADI SFP & MADI coaxial module (with AUX slot)

7.3. Warranty

We offer a full two (2) year warranty from the date of purchase. Within this period, we repair or exchange your device free of charge in case of any defect*. If you experience any problems, please contact us first. We try hard to solve your problem as soon as possible, even after the warranty period.

* Not covered by the warranty are any damages resulting out of improper use, willful damage, normal wear-out (especially of the connectors) or connection with incompatible devices.

7.4. Manufacturer contact

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7.5. Recycling



According to EU directive 2002/96/EU, electronic devices with a crossed-out dustbin may not be disposed into normal domestic waste. Please return the products back for environment-friendly recycling, we'll refund you the shipping fees.

7.6. Document Revision History

1: Initial release

7.7. About this document

All trademarks mentioned in this document are property of the respective owners.
All information provided here is subject to change without prior notice.

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