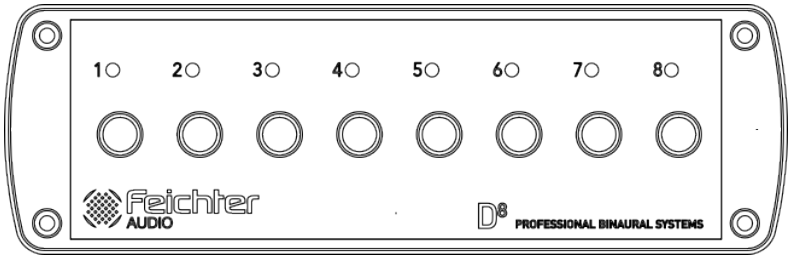
D8 / D8Link

High quality
8-64 Headphones
Distribution System



Binaural
Professional Systems

Dante®

User manual
— [Revision 1.0 - January 2026] —

Feichter
AUDIO

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SAFETY INSTRUCTIONS AND WARNING

Read carefully this manual before using your Feichter Audio devices. Keep it for future reference.
If you have any issue during the installation, please contact Feichter Audio for assistance.

AUDIO WARNING





This equipment can create high sound levels.
Over exposure to excessive sound levels can damage your ears resulting in permanent noise-induced hearing loss.
To avoid hearing damage, limit the time you use the headset at high volume and/or set the volume to a safe level.
The volume control of headphones is exclusively the responsibility of users.

ELECTRICAL WARNING



To avoid the risk of shock and fire, keep this equipment away from rain and other moisture. Do not use this equipment if it is wet.
Make sure your devices are properly ventilated. Keep away from any source of heat.
Do not attempt to service the equipment. There are no user-serviceable parts inside. Please refer all servicing to Feichter Audio.
Any attempt to service the equipment will expose you to a risk of electric shock, and will void the manufacturer's warranty.
The product should be connected only to the correct power supply as indicated on the product. Do not operate with damaged cord.
Unplug this apparatus during lightning storms or when unused for long periods go time.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).
This product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.
By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local waste disposal service or the shop where you purchased the product.

CE



As a precaution, ***do not wear headphones during starting****.*

The 'Link' connectors on this distribution network ***are not compatible with standard Ethernet*** *and can only be used to interconnect D8Link boxes. However, connecting Ethernet equipment to them should not cause any damage.*

TECHNICAL INFORMATION

The documentation is available in French and English langage and is provided with:

- ➡ Paper manual (A5 format with each system)
- ➡ The electronic version of the manual is available online on Feichter Audio

For comments, suggestions and customer service, please contact us by e-mail:
support@feichter-audio.com

PACKAGE'S CONTENTS D8

Distribution unit **D8**
Paper manual

PACKAGE'S CONTENTS D8LINK

Distribution unit **D8Link**
Paper manual

PHILOSOPHY

Thank you for choosing our product.

Feichter Audio systems are designed with care and enthusiasm and we hope it will meet your expectations for many years.
Feichter Electronics is associated with Pascal Rueff, pioneer of binaural sound, to design and manufacture in France professional audio equipments which will be particularly appropriate to high quality 3D audio.

Our range of Binaural Professional System fulfill the requirements of binaural production: dynamic, finesse, silence. This level of quality, not just to satisfy but to exceed the demands of standard stereo production.

Wear your favorite headphones and discover high quality binaural productions with our products, on the website www.binaural.fr



High quality for each headphone

Feichter Audio's binaural distribution system is an immersive sound solution with uncompromising quality.

Ultra-quiet and dynamic, it is the best solution for providing an optimal 3D experience for group listening with headphones.

Modular and easy to implement, it can be used to equip a control room, studio or theatre. Its network architecture allows it to power a large number of headphones.

To facilitate installation, a self-diagnostic feature identifies incorrectly connected or defective headphones.

Main features

- Audinate Dante® integration (each output can receive a different stream)
- Inaudible self-noise
- Individual reference amplification
- Automatic headphone diagnostics
- Star (D8) and/or linear (D8LINK) distribution
- Electrical protection of headphones by current limitation
- Immunity to electromagnetic interference
- Sturdy, lightweight construction
- Neutrik® connectors
- Designed and manufactured in Britany (France)

OVERVIEW

The system consists of two boxes:

D8

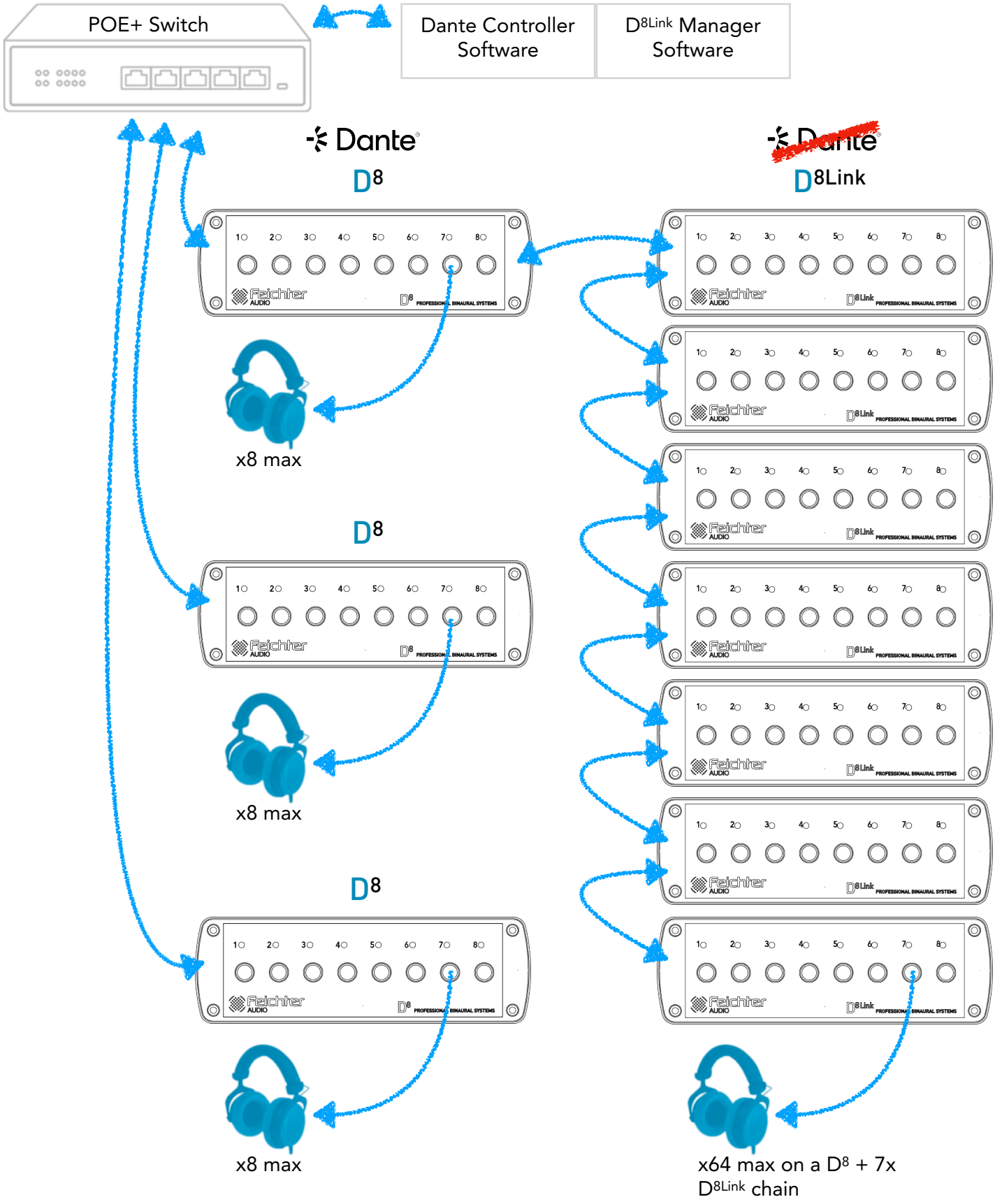
High-quality 8-output distributor box compatible with Dante®

D8Link

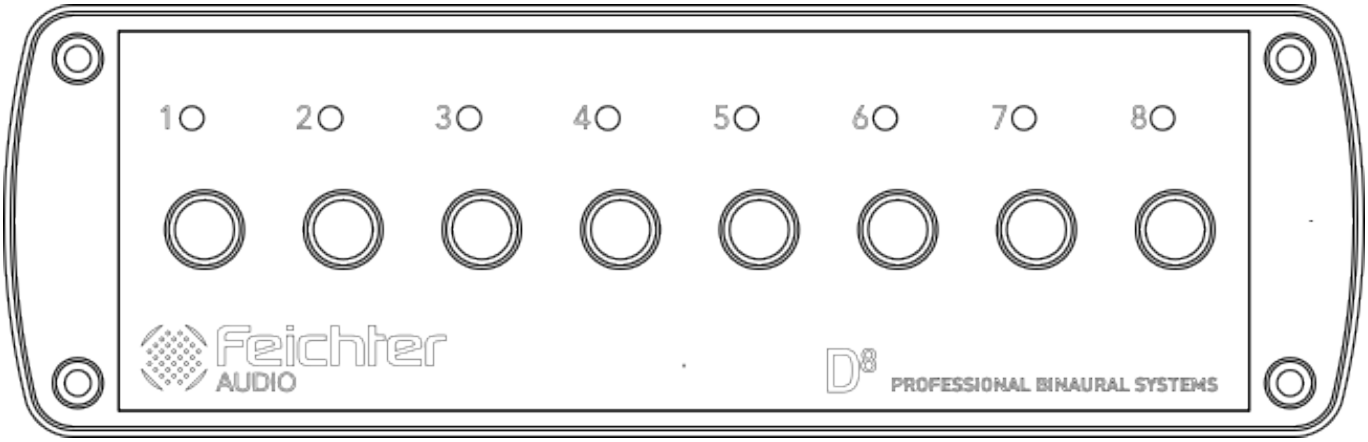
High-quality distributor extension box with 8 outputs

- A D8 box can power up to 8 headsets; each output can receive a different stream.
- A D8 unit can power up to 7 D8LINK units, and each D8LINK unit can power 8 headsets, for a total of 64 headsets on a network with a total length of 100 meters; in LINK mode, up to 8 different stereo streams can be delivered.
- A single shielded RJ45 CAT5 cable carries audio, power POE+ and control signals via lockable connectors.
- Each headset is powered by an individual amplifier.
- A 'diagnostic' mode checks that each headset is working properly: incorrectly inserted connector, faulty cable, damaged transducer.
- Please note that D8LINK boxes are not recognized by the Dante Controller software : they are managed by the proprietary D8LINK Manager application.

SYNOPTIQUE

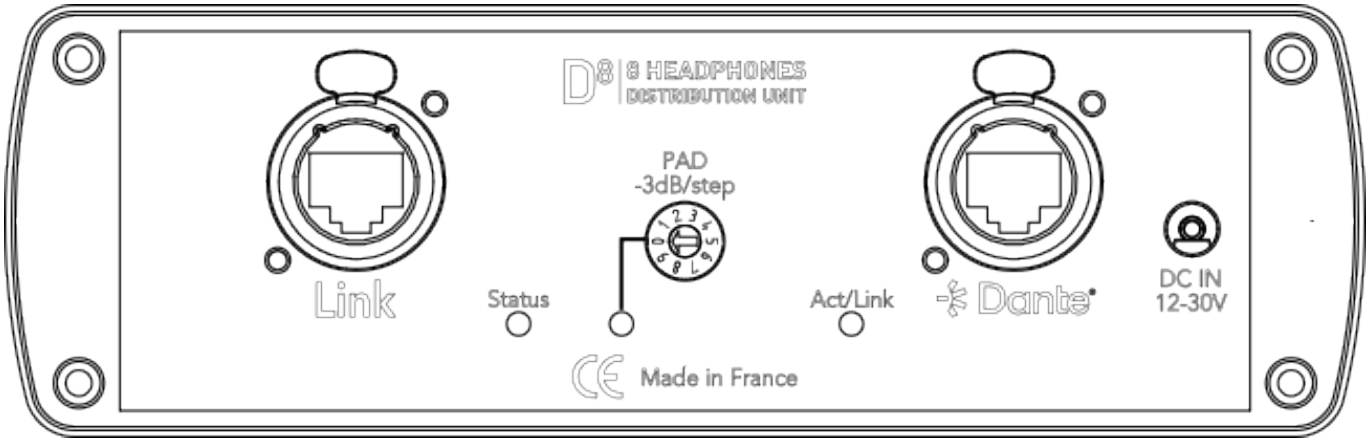

POE+ Switch
Dante Controller Software
D8Link Manager Software
Dante
D8
D8Link
x8 max
D8
x8 max
D8
x8 max
x64 max on a D8 + 7x D8Link chain

D8 DANTE MODEL - FRONT FACE



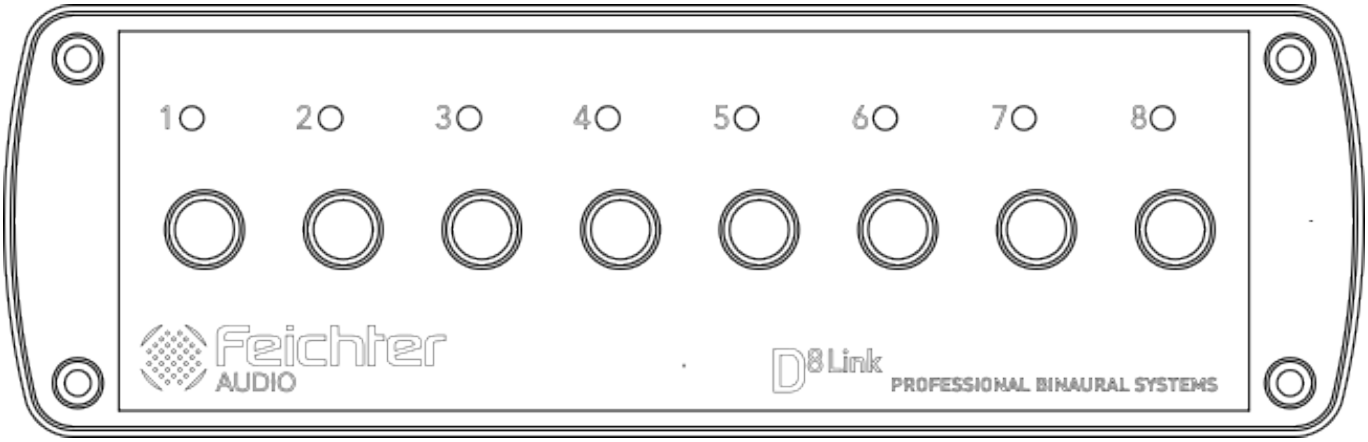
Headphones [1-8] Output	1/4" Analog Stereo Headphones Output
Diagnosis [1-8] LEDs	Indicate the operating status of the headphones as part of the self-diagnostic process; this mode is only active during periods of silence (when the audio bits are zero) - The LED lights up when the output is available (no stereo headphones are connected) - The LED flashes when the connected headphones are not working (the right and left sides do not behave in the same way) - The LED does not light up when the connected headphones are working

DANTE MODEL - REAR FACE D8



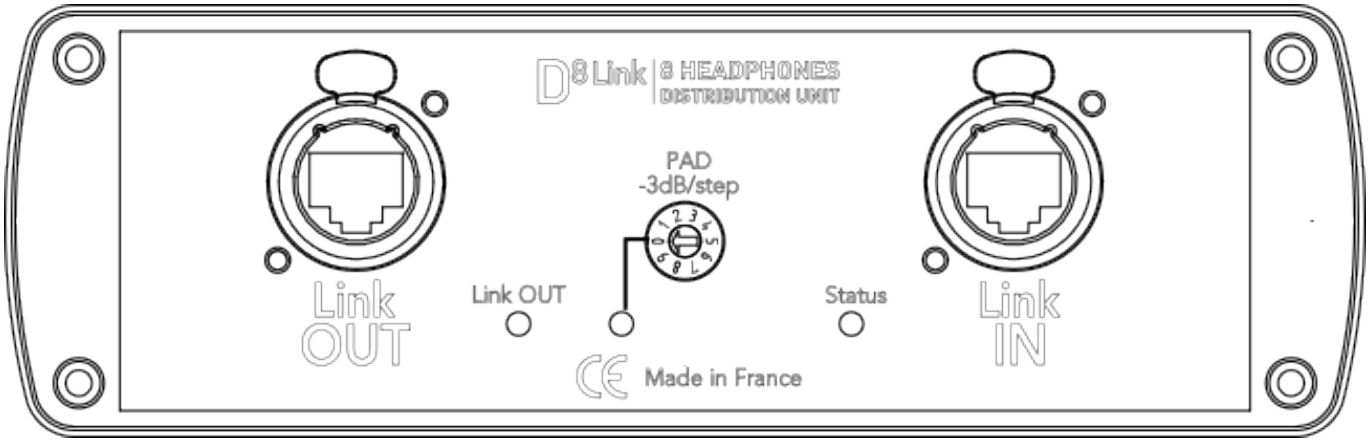
Link connector	Output to another Feichter Audio D8Link
LED Status	- The LED lights up green when a D8Link is connected and functional - The LED lights up red or does not light up when a D8Link cannot be connected — indicating that the D8Link is malfunctioning or that there is a problem with the cable used to connect it.
Local attenuator [PAD]	Adjustable attenuator from 0 to -27 dBFS in 3 dBFS steps. The LED lights up red when the output is not equal to 0 dBFS.
LED Act/Link	The LED shows the activity of the Dante link.
Dante connector	Input for connection to a POE+ switch in an Audinate Dante network
DC input	Auxiliary power input, 12-30 VDC on coaxial cable with outer diameter 5.5 mm, inner diameter 2.5 mm (⊕ in the center)

D8 LINK MODEL - FRONT FACE



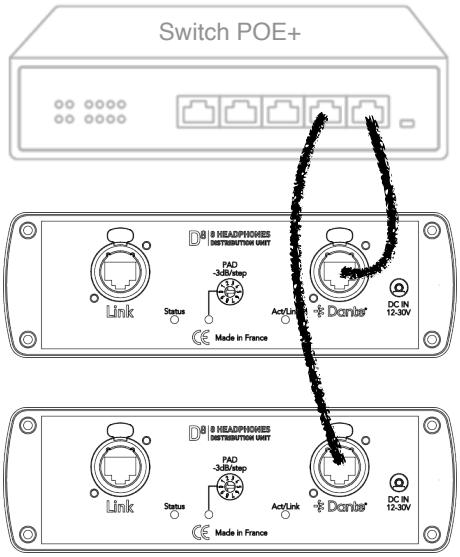
Headphones [1-8] Output	1/4" Analog Stereo Headphones Output
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LINK MODEL - REAR FACE D8



Link connector	Output to another Feichter Audio D8Link
LED Link OUT	- The LED lights up green when a D8Link is connected and functional - The LED lights up red or does not light up when a D8Link cannot be connected — indicating that the D8Link is malfunctioning or that there is a problem with the cable used to connect it
Local attenuator [PAD]	Adjustable attenuator from 0 to -27 dBFS in 3 dBFS steps. The LED lights up red when the output is not equal to 0 dBFS
LED Status	- The LED lights up green when the D8Link is connected and operational - The LED lights up red or does not light up when the D8Link cannot be connected—indicating that the D8Link is malfunctioning or that there is a problem with the cable used to connect it
Link IN connector	Input for connection to the Link output of a Feichter Audio D8 box

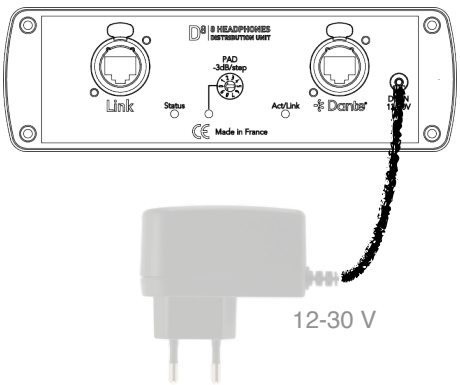
1. Connect the boxes to a POE+ switch.



- On D[8] boxes, identify the EtherCon® connector marked [Dante], marked with a red circle
- Connect the POE+ switch to the first D[8] box using a Cat5 cable
- Connect the other D[8] boxes using additional Cat5 cables
- The POE (Power Over Ethernet) and POE+ standards enable power to be transmitted to devices connected via Ethernet; A POE power supply can power a D[8] box, and a POE+ power supply can power a D[8]/D[8]Link network.

	PoE (Type 1)	PoE+ (Type 2)	PoE++ (Type 3)	PoE++ (Type 4)
IEEE standard	802.3af	802.3at	802.3bt	802.3bt
Power per port	15.4 W	30 W	60 W	100 W
Power at PD	12.95 W	25.5 W	51 W	75 W
Voltage range (at the switch)	44-57 V	50-57 V	50-57 V	52-57 V
Voltage range (PD)	37-57 V	42.5-57 V	42.5-57 V	41.1-57 V
Supported cable	from Cat3	from Cat5	from Cat5	from Cat5

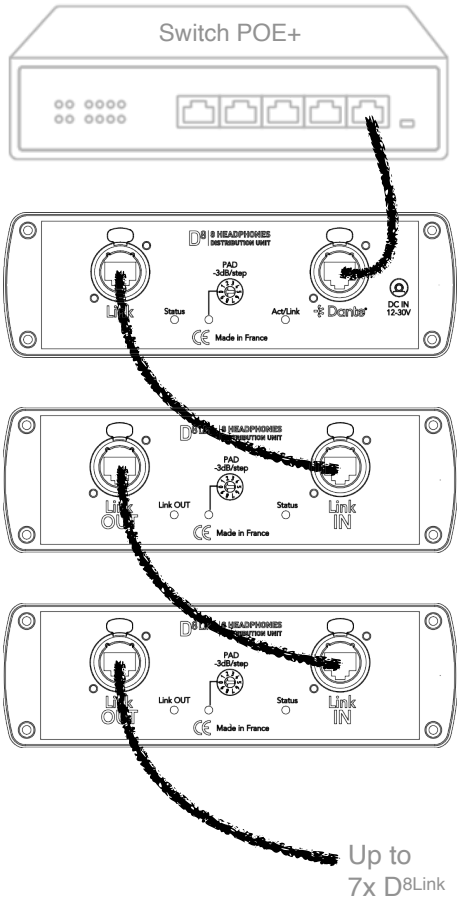
2. External power supply



- If necessary, a non-POE+ switch can be used.
- In this case, the D[8] boxes must be powered by an external power supply delivering a voltage between 12 and 30 V, applied to the DC IN input.

OWNER GUIDE 2

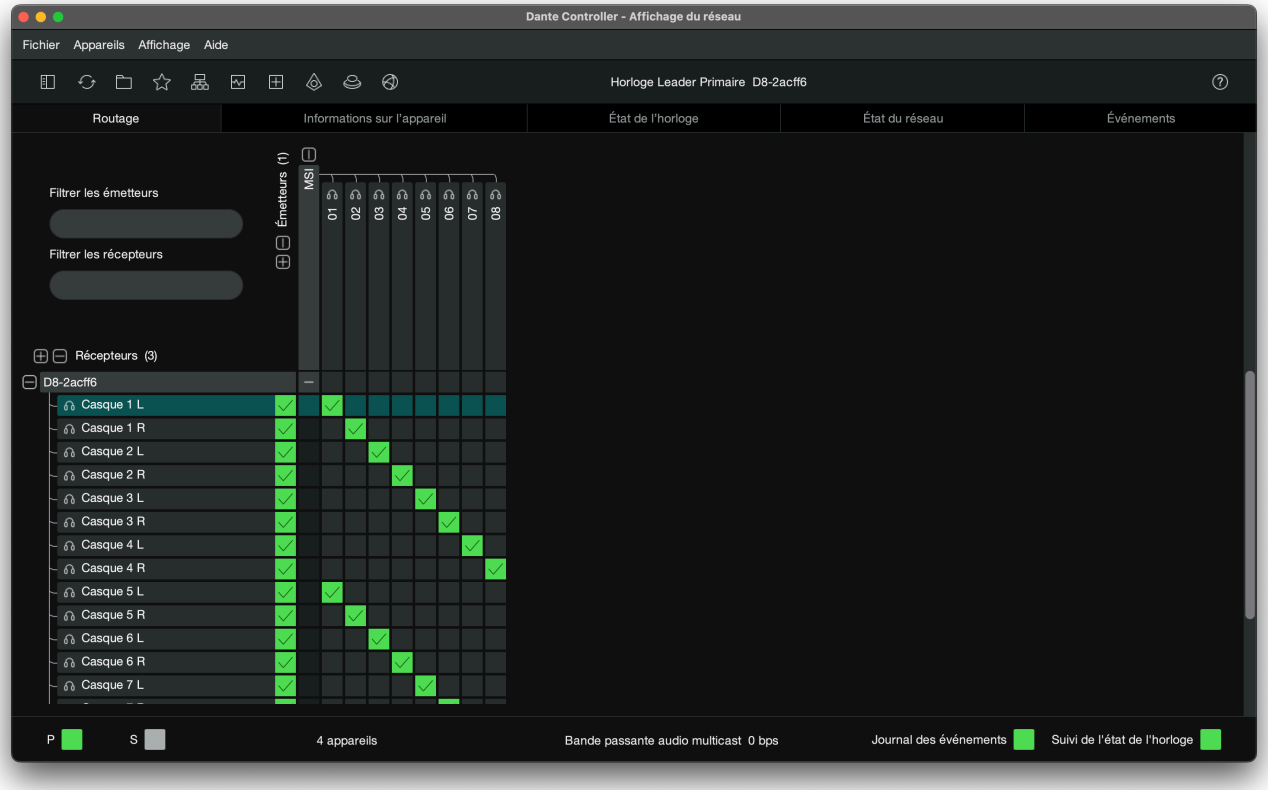
3. Connect Link boxes



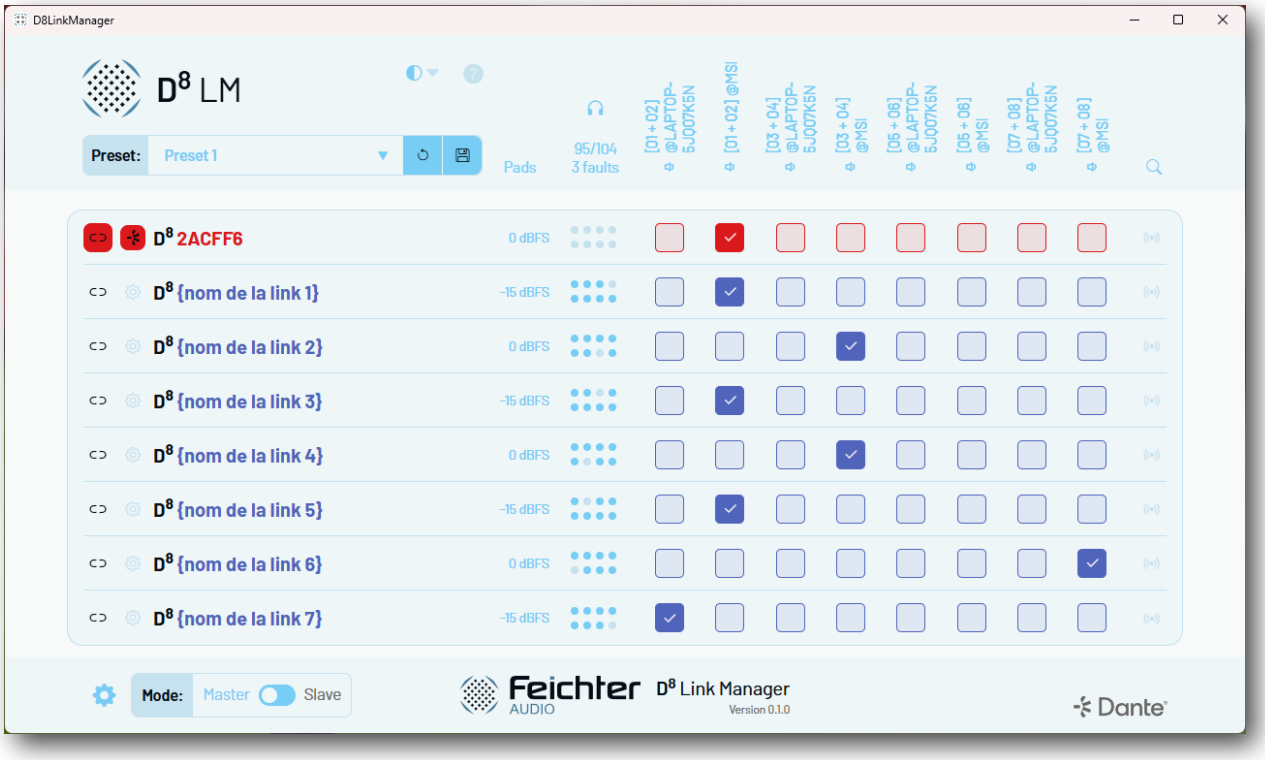
- On the D8 box, locate the EtherCon® connector marked [Link], and on the D8Link box, locate the EtherCon® connector marked [Link IN]
- Connect the Link output of the D8 box to the Link IN input of the first D8 box using a Cat5 cable
- The Link OUT output on the first D8Link box allows you to connect another D8Link box: using a CAT5 cable, connect the Link OUT output to the Link IN input on the next D8Link box
- Up to 7 D8Link boxes can be daisy-chained to the Link output of the master D8 box; a total of 64 headsets can be powered in this way

4. Connect an audio source

- With a D8 box, audio source assignment is controlled from the Audinate Dante Controller software; the D8 box is seen as a standard Dante device with 16 audio outputs.



➡ For D8Link boxes, source assignment is configured using the Feichter Audio D8Link Manager software, which is available (along with the user manual) for download from the Feichter Audio website



➡ Please note that these boxes deliver signals without modifying their output level: the listening volume is adjusted upstream of the broadcast, in other words, the D8 and D8Link boxes do not offer listening volume adjustment

5. Self-diagnostic

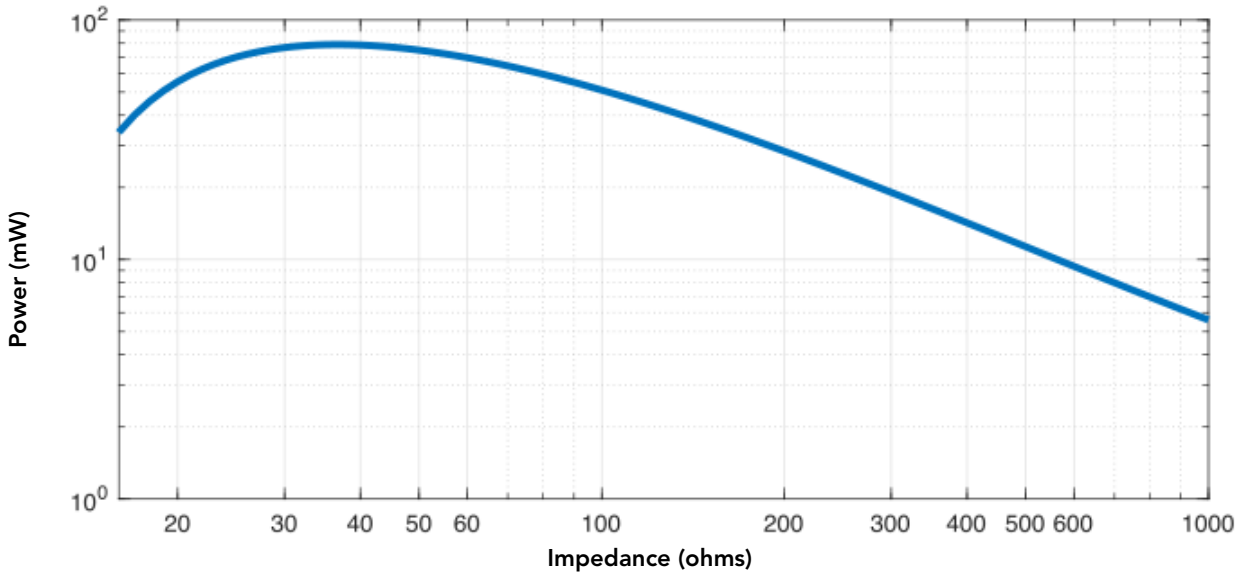
➡ The D8 and D8Link units offer a self-diagnostic function: this alerts the operator when a stereo headset is not working as it should, either because the plug is not fully inserted or because a cable or earpiece is faulty

➡ During audio playback, the self-diagnostic function uses periods of silence to test the integrity of the playback circuit. If a fault is detected, the individual headphone LED flashes on the problematic unit and, at the same time, in the D8Link Controller software interface

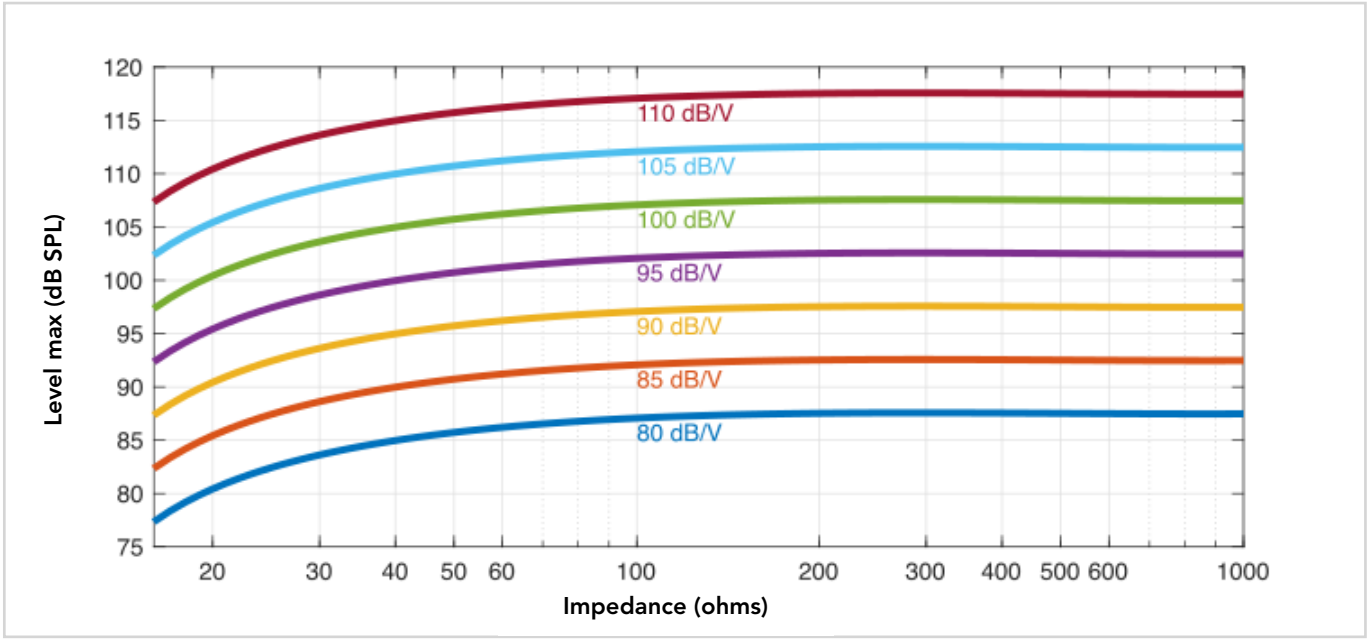
SPECIFICATIONS

Digital Audio Channel	16 output	@ FS 48 & 96 kHz (D8) and 48 kHz (D8Link)
Max Power	78 mW 20 mW	@ 32 ohms @ 300 ohms
Frequency response	20 Hz - 20 kHz 10 Hz - 24 kHz	±0.05 dB ±0.15 dB
Dynamic range	103,5 dB (A) 107,5 dB (A)	32 ohms, with THD < 0.003 % 300 ohms, with THD < 0.003 %
SNR	104 dBu	re +10 dBu eff., 24 kHz BW
Distorsion	0.003 %	THD+N @ -4 dBFS, 20-20 kHz, 32-300 ohms
Attenuation (PAD)	-27dBFS	in increments of 3dBFS
Temperature range	0 to +60°C	in service
Humidity	< 75%	non-condensing
Weight	710 grammes	aluminium casing
Dimensions	170 x 145 x 55mm	length x depth x height

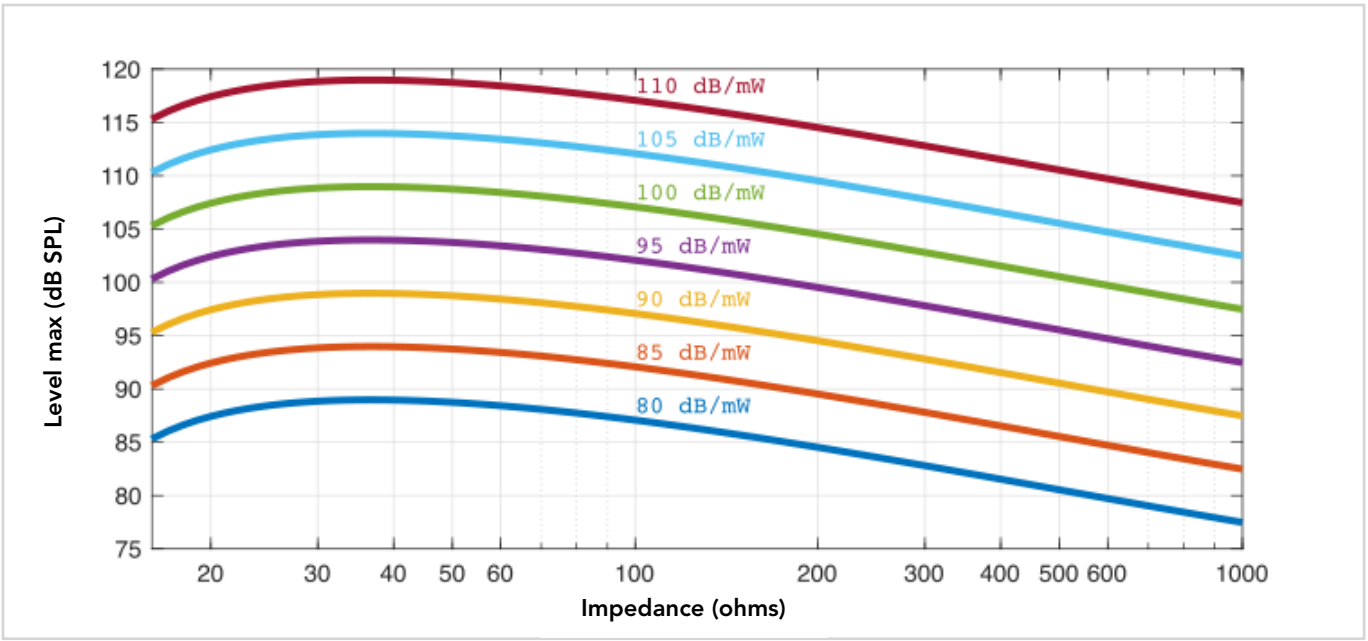
POWER
DEPENDING ON HEADPHONE IMPEDANCE (WITH THD < 0.01%)



SOUND PRESSURE
DEPENDING ON HEADPHONE IMPEDANCE AND SENSITIVITY IN dB/V (WITH THD < 0.01%)



SOUND PRESSURE
DEPENDING ON HEADPHONE IMPEDANCE AND SENSITIVITY IN dB/mW (WITH THD < 0.01%)

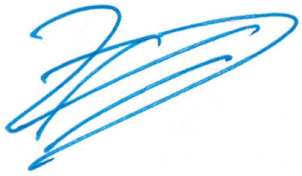


DECLARATION OF CONFORMITY

Feichter Electronics, 5 rue Louis de Broglie, 22300 Lannion, France, declares D8 and D8Link products are tested and conformed following standards:

EN 55022 edition 2010	Limited electromagnetic emissions
EN 55024 edition 2010	Immunity against electromagnetic interferences
EN 60950-1 edition 2005	Low-voltage directive
EN 50332-2 edition 2003	Acoustic system equipment
EN 60268-3 edition 2022	Sound system equipment
EN 60581-3 edition 2014	High fidelity audio equipments and systems
EN 61938 édition 2018	Multimedia systems

Laurent Feichter, January 15, 2026



WWW.FEICHTER-AUDIO.COM

Feichter Audio design and produce systems respecting its social and ecological commitment.

Designed and manufactured in France
Our products are designed and manufactured in our local facilities in Lannion, Britanny. Our subcontractors are small- and medium-sized businesses and industries ; the electronic cards are assembled in Lannion, the cases are manufactured in Germany, and the faces are machined in our workshops.

Long service life
The device is designed for professional use and will last for many years. Besides, we conduct durability test on our prototypes, and we perform meticulous quality control on each product before the delivery.

Energy savings
We use the newest technologies of power supply circuitry. Energy saving is guaranteed by the 90% of efficiency of all our power circuits.

Recyclability
Our products are easily dismantled and designed to enable the best possible recyclability.

Control of supply chain
We use exclusively electronic components manufactured by the market leaders. Their certification process and traceability which is used in medical and automotive industry ensure their quality. All components are carefully chosen from certified manufacturers using only responsible raw material (ecological and social large footprint).

FEICHTER ELECTRONICS
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SARL au capital de 14620€ immatriculé au RCS de St Brieuc
SIRET : 534 100 961 00018 / TVA : FR53 534100961


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