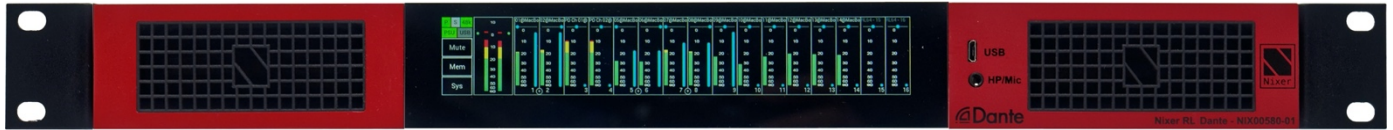


NIX00580 Nixer RL64 Dante



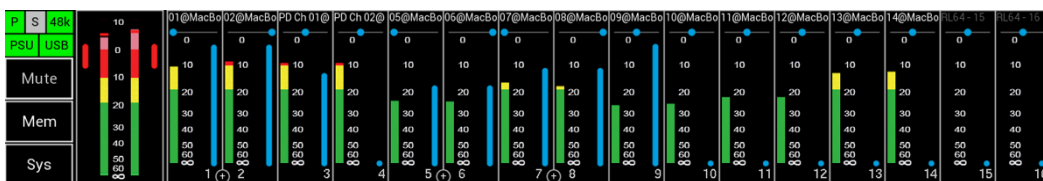
Product Description

A 1U 19inch rack mounted Dante monitoring and mixing unit, which allows two modes of operation a mixing mode which can mix up to 64 Dante channels at 48kHz (32 channels at 96kHz) plus microphone input (via headphone connector) and AES input to create a 67 into 2 mixer.

Alternatively, it can be set into a simple Listen mode where touching a channel instantly routes to the LR output and cancels any previous selection.

The outputs of the LR bus are presented to the user via the inbuilt 4mm x 9mm full range speakers or via the 3.5mm headphone jack. The speakers are automatically muted when a headphone jack is inserted. Simultaneous outputs are also available in the form of the stereo balanced line outputs and AES output accessed via XLR connectors on the rear of the RL64 Dante. The mix output is also routed to the Dante output.

The RL64 Dante is operated and controlled via the large letterbox 6.6" diagonal (168mm) 1440 x 240 24-bit colour LCD and capacitive touch panel.



A simple and elegant menu system has been designed to be intuitive to navigate allowing the user to access all the features of the RL64 Dante very quickly.

The high-resolution screen is easy to read presenting comprehensive metering, routing and status information to the user.

Firmware updates of the RL64 Dante are achieved via a dedicated USB micro AB connector on the front panel. There is also a dedicated 3.5mm jack socket for the headphone output.



On the rear of the RL64 Dante there are 2x balanced line outputs on 3 pin male XLRs and AES output also on 3 pin male XLR. These outputs can be configured to follow the main volume settings of the speakers/headphones or they can also be set to follow the main Mute control.

Additionally, there is an AES input via 3 pin female XLR connector

The RL64 Dante can be powered via PoE on the Primary port or alternatively via 2.1mm DC input connector and requires powering via an external (not supplied) 24V 2Amp DC adaptor

Nixer RL64 Dante Specifications

- 1 Monitoring of 64 Dante channels at 48kHz (32 channels at 96kHz)
 - Optional fixed 16 channel mode
- 2 Sample rates supported
 - 44.1kHz
 - 48kHz
 - 88.2kHz
 - 96kHz
- 3 Bit Depth supported
 - 16bit
 - 24bit
 - 32bit
- 4 AES67 compatible
- 5 Fully compatible with Dante Domain Manager
- 6 67 x 2 mixer with the following controls
 - Pan
 - Level
 - PFL
 - Option to Link odd and even adjacent channels into stereo pairs
- 7 Output
 - Built in speakers/headphones
 - Line Output
 - AES3 Output
 - Dante
- 8 67 channel meters (16 displayed at a time)
 - High resolution meters switchable scale standards from
 - EBU
 - SMPTE
 - Screen swipe left and right to allow viewing of all meters
 - Screen swipe down to present navigation controls

- Jump +16 channels
- Jump -16 channels
- Jump to end
- Jump to beginning

9 Main LR meters

- Large high-resolution meters displaying +10dBFS down to -60dBFS in 1dB steps
- Optional Peak hold
- Limiter operation indicators

10 Internal 2W/channel amplifier feeding either

- 2x 4mm x 9mm full range drivers
- Headphone output

11 Dual Balanced Line Outputs 0dBFS = +21dBu maximum output into 600ohms 2x 3pin male XLR connectors

- Fed from main Stereo LR bus
- Option to follow main volume control
- Output Mute relays

12 Stereo AES3 output on 3pin male XLR connector

- Fed from main Stereo LR bus
- Option to follow main volume control

13 Stereo AES3 Input on 3pin female XLR connector

- SRC converts from 44.1kHz, 48kHz or 96kHz to RL64 sample rate
- AES3 routing to main mix via
 - Level
 - PFL

14 3.5mm Headphone socket and microphone input

- Headphone output for driving loads from 8ohm to 600ohm
- Microphone input routing to main mix via
 - Input Gain control 0dB to 30dB
 - Pan
 - Level
 - PFL
- Socket wiring is suitable for use with most common mobile phone headsets

15 Dual 1Gbps RJ45 Dante inputs

- 1Gbps or 100Mbps operation
- User configurable for Switched or Redundant operation
- Network configuration information available via menu

16 Power input

- PoE on Primary port
- 2.1mm DC inputs socket for use with external 24V 2amp adaptor
- Both power inputs can be active at the same time for redundancy

17 USB port is used for product firmware updates

18 LCD

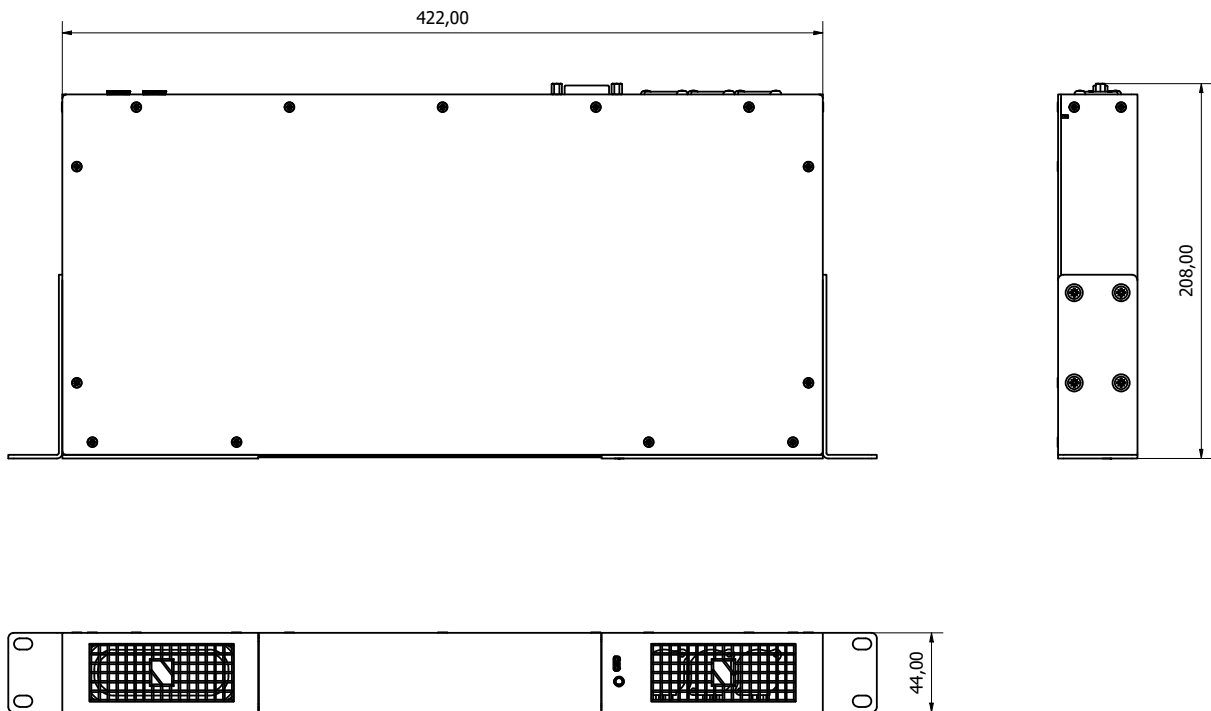
- 6.6" (168mm) diagonal 24-bit colour LCD with 1440xRGBx240 resolution
- LED backlight (adjustable brightness via software)
- multi touch capacitive touch overlay with gesture support

19 Size

- 494mm wide by 210mm deep by 44mm height
- 2.0kG

20 19inch rack mounting ears can be removed for desktop use

Dimensioned drawing



Nixer reserves the right to change product details and specifications without notice

All details correct as of January 10th 2020

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