

# Nixer PD Dante

## Product Description

A small portable Dante unit, which allows the monitoring of up to 64 Dante channels at 48kHz (32 channels at 96kHz). The signals are presented to the user via the inbuilt speakers or the 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 the 15way D-type.

The speakers and headphones have independent settings for volume, the unit recalling the last used setting for each when changing between speakers and headphones.



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The balanced line outputs and AES output can be configured to follow the volume settings of the speakers or headphones. Alternatively, they can be set to independent levels with individual trim controls for each.

Additional inputs are available as an unbalanced stereo line input on a 3.5mm jack, AES input via the 15way D-type connector and a mic input on the headphone connector

(accommodating standard mobile phone headsets)

All of these inputs can be routed to any of the Dante output channels.

An internal oscillator with user adjustable frequency and level settings is available to send to any of the 64 Dante outputs with options for Sine Wave, Square Wave or PNG.

The device is operated and controlled via the large 5.0" diagonal (127mm) 24bit 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 PD Dante very quickly.



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



The PD Dante can be via PoE (13W) or alternatively be powered via USB (1.5A) by a computer USB port, USB mains adaptor or USB battery pack.



Firmware updates of the PD Dante are achieved via a dedicated USB microAB connector.

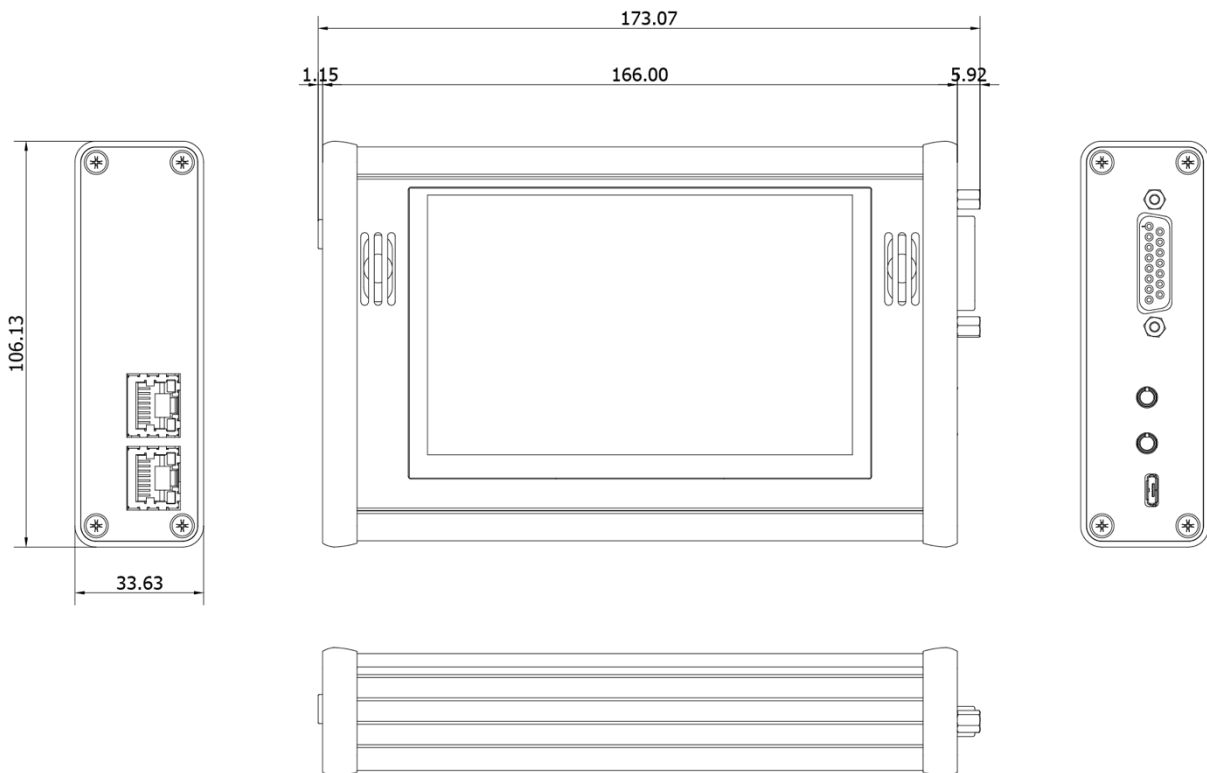
### Nixer PD Dante Specifications

1. Monitoring of 64 Dante channels at 48kHz (32 channels at 96kHz)
2. Output up to 64 Dante channels at 48kHz (32 channels at 96kHz)
3. Sample rates supported
  - a. 44.1kHz
  - b. 48kHz
  - c. 88.2kHz
  - d. 96kHz
  - e. 192kHz
4. Bit Depth supported
  - a. 16bit
  - b. 24bit
  - c. 32bit
5. AES67 compatible
6. Fully compatible with New Dante Domain Manager
7. Two main modes of operation



- a. User defined mix to L and R output
    - i. 10 User memories with customizable names
  - b. PFL mode where selected channel is sent to LR with two modes
    - i. Auto cancel previous selection
    - ii. Additive with Clear button
8. 64 channel meters
  - a. High resolution meters
  - b. Optional Peak indicator with user definable trigger level
9. Main LR meters
  - a. Large high resolution meters displaying 0dBFS down to -72dBFS in 1dB steps
  - b. Optional Peak hold
  - c. Optional Working level indicator with user definable level
10. Internal 2W/channel amplifier feeding either
  - a. 2x Internal speakers
  - b. Headphone output
11. Dual Balanced Line Outputs 0dBFS = +21dBu maximum output into 600ohms on 15way D-type connector
  - a. Fed from main Stereo LR bus
  - b. Option to follow main volume control
  - c. User adjustable trim (+/-12dB in 1dB steps)
  - d. Output Mute relays
12. Stereo AES output on 15way D-type connector
  - a. Fed from main Stereo LR bus
  - b. Option to follow main volume control
  - c. User adjustable trim (+/-12dB in 1dB steps)
13. Stereo AES Input on 15way D-type connector
  - a. User selectable routing to Dante output(s)
14. Stereo unbalanced line input on 3.5mm stereo jack
  - a. with input level trim control suitable for use with common music playback devices such as, iPods, iPhones, MP3 players
  - b. max input level +8.5dBu
15. 3.5mm Headphone socket and microphone input
  - a. Headphone output for driving loads from 8ohm to 600ohm
  - b. Microphone input with gain control (up to 32dB) and level trim
  - c. Socket wiring is suitable for use with most common mobile phone headsets
16. Dual 1GHz RJ45 Dante inputs
  - a. 1GHz or 100MHz operation
  - b. User configurable for Switched or Redundant operation
  - c. Network configuration information available via menu
17. Power input via
  - a. PoE (13W) on Primary RJ45 connector
  - b. USB input (1.5A) auto negotiates with connected USB port
    - i. Direct from Mac/PC USB connector capable of delivering 1.5A
    - ii. USB mains adaptor
    - iii. USB battery pack
  - c. Both power inputs can be active at the same time for redundancy
18. USB port is also used for product firmware updates

19. Wired remote control option on 15way D-type connector
  - a. RS485 balanced TX and RX pairs
  - b. 5V feed to connected device (up to 300mA)
20. Internal oscillator with selectable routing to Dante output(s) and level control
  - a. Sine Wave generation settable to a frequency in the range of 20Hz to 20kHz
  - b. Square Wave generation settable to a frequency in the range of 20Hz to 20kHz
  - c. Pink Noise Generator
21. LCD
  - a. 5.0" (127mm) diagonal 24bit colour LCD with 800xRGBx480 resolution
  - b. LED backlight (adjustable brightness via software)
  - c. 5-point touch capacitive touch overlay with gesture support
22. Size
  - a. 173mm long by 106mm wide by 34mm height
  - b. 0.5kG
23. Optional mounting brackets
24. Optional Case
25. Optional breakout connector for 15way D-type connector



*Dimensioned drawing*

Nixer reserves the right to change product details and specifications without notice  
 All details correct as of August 15<sup>th</sup> 2017

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