

WHALE XD4900

Dante Digital Amplifier



Functions

- ✧ It adopts a high - performance ADI DSP processor, along with high - fidelity and low - noise 24 - bit A/D and D/A conversion.
- ✧ It has an embedded Dante network transmission module, supporting 4 - channel Dante signals / 4 - channel analog signals input and 4 - group digital power amplifier output.
- ✧ It provides USB and RJ45 interfaces for connection to a computer.
- ✧ Each output channel is equipped with an 8 - segment parametric equalizer, crossover, delay, limiter, gain, and polarity.
- ✧ It uses a Class - D amplifier with high efficiency and high power density, and has complete protection functions (over - current, over - heat, high - frequency protection).
- ✧ It is equipped with a 3.97 - inch touch - screen, with Chinese and English menu operations, providing a more comprehensive and intuitive display of content;
- ✧ Support matrix mixing;
- ✧ Support 8 groups of scene presets, scene increase, save, delete and many other functions.

Specification

Input interfaces	4 Analog + 4 Dante
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Output interfaces	4 Analog + 4 Dante; 4 Link, to achieve multiple amplifiers on-line
Control interface	1 RJ45 interface, 1 USB-B interface, can be operated through the PC software to achieve parameter control
Display	3.97-inch touch screen, input/output level display, function operation display and so on
DSP Processing Parameters	
Input Channel	Function Module: Analog/Dante Switching, Mute, Gain. Physical interface: 3-pin XLR female connector
Output Channel	Function Module: Gain, Crossover, Delay, Limiter, Phase, 8-band Parametric Equalizer. Physical interface: Speaker Speakon socket interface
Frequency Response	20~20kHz, $\pm 0.3\text{dB}$
Maximum Input Level	+14 dBu, balanced input
Maximum Output Level	+14 dBu, balanced output
THD+N	<0.008% @ 2.2 dBu
Sampling Rate	48KHz
Bit Depth	24-bit
Noise Floor	-88dBu
Input Impedance	20 K Ω (balanced input), 10 K Ω (unbalanced input)
Output Impedance	100 Ω (balanced output), 50 Ω (unbalanced output)
Input Sensitivity	1.22V
Input Common - Mode Rejection Ratio	>80dB

Power Amplifier Parameters	
Rated Power at 8Ω	4×900W
Signal - to - Noise Ratio	>112dB
Damping Factor	> 1000@ 8Ω
Total Harmonic Distortion	<0.1% (20Hz~20 kHz 1W)
Frequency Response	20Hz~34KHz (+0/-0.3dB, 1W/8Ω)
Level Adjustment	Front - panel potentiometer, from negative infinity to 0dB
Cooling Method	Stepless speed - regulating fan, with air flow from front to rear
Power Amplifier Protection Modes	Short - circuit, open - circuit, DC voltage, over - heat, over - voltage, radio - frequency, ultra - low - frequency protection
Power Supply Specification	AC voltage 180~240VC (90V~120VAC), 50~60 Hz
Operating Temperature Range	0~50°C
Operating Humidity Range	Below 90%RH (but no condensation)
Chassis	2U
Chassis Dimensions (H×W×L)	88mm×277mm×484mm
Net Weight	13.5kg
Package Dimensions (H×W×L)	150mm×465mm×545mm
Gross Weight	16.5kg