DOLPHIN XD Series

Speaker Manager

Product Introduction

The digital speaker manager features an interactive LCD display with an intuitive, embedded GUI interface. It boasts a stable and linear phase 512-order custom FIR filter, supports input and output channel copying, channel linking, multiple scene setting recalls, and other functions. The panel configuration includes a rotary encoder for menu selection, making it easy to operate. Compatible with the company's other audio products, it caters to a wide range of application scenarios.

Primarily used for controlling and processing speakers, this product is ideal for live sound reinforcement, theaters, discos, concert halls, and any other venues requiring sophisticated speaker management.

Product Features

➢ The speaker manager supports multiple analog signal inputs and outputs for multi-speaker scene signal distribution management;

➢ Built-in high-performance DSP processing chip, 24bit/48KHz processing capability, high-performance A/D and D/A converter;

➢ Self-interactive LCD display, quick adjustment of the reference embedded GUI interface;

➢ With stability and linear phase of the 512 order custom FIR filter; support the import of third-party software generated FIR parameters, support for graphical interface display;

➢ Support the way of Dante network transmission, make the audio transmission more stable and fast.

Functions

✧ Input channel contains: Mute, Gain, Delay (0-180ms), 31-band graphic equalizer, Expander, Mixer;

✧ Output channel contains: delayer (0-60ms), crossover (Butterworth, Bessel, Linkwitz-Riley filter types, 12dB/24dB/36dB/42dB/48dB filter slopes, FIR filters), 15-band parametric equalizer, gain, limiter function;

✧ Professional Windows control software, through the USB or RJ45 cable for connection, to realize the Windows software control settings;

✧ The software can add and route to manage multiple online devices;

✧ Support input and output channel copy function;

✧ Support the function of input and output channels binding to each other;

✧ Support multi-group scene saving, calling and importing and exporting functions;

✧ The panel is configured with switches for rotary encoder selection menu, which is convenient for operation;

✧ Configuration of bidirectional RS232 interface, standard Ethernet control interface, open the relevant protocol documents.

Specification

Analog channels	4 XLR balanced inputs 8 XLR balanced outputs
Dante channels	4 inputs,4 outputs
Number of 232 serial interfaces	1
Number of RJ45 interfaces	3
Number of USB interfaces	1 USB Type B
Sample Rate & Quantization Bits	48KHz@24bit
Frequency Response	20Hz～20KHz,±0.5dB

THD+N	≤0.002%@1kHz,4dBu
Analog to Digital Dynamic Range (A-weight)	118dB
Digital to Analog Dynamic Range (A-weight)	118dB
Input Impedance (Balanced)	20kΩ
Output Impedance (Balanced)	100Ω
Channel Isolation	100dB@1KHz,4dBu
Common mode rejection	80dB@60Hz
Signal-to-Noise Ratio	110dB
Maximum Input Level	20dBu
Maximum Output Level	20dBu
Background Noise	-90dBu
Operating Power Supply	AC 110V-220V,50Hz/60Hz
Power Consumption	<15W
Operating Temperature	0-40℃
Product Weight	2KG
Product Size	486x208x44mm
Package Weight	2.5KG
Package Size	590×430×110mm