

DOLPHIN X Series

Speaker Manager



Product Introduction

The digital speaker manager product comes with interactive LCD display, quick reference embedded GUI interface. With stability and linear phase of 512 order custom FIR filter, support input and output channel copy, channel binding each other, multiple sets of scene save call and other functions, the panel configuration rotary encoder to select the menu of the switch, easy to operate, with the company's other audio products, to meet the needs of more scenarios of applications.

The main application of this product is to control and process the speakers, mainly used in live sound reinforcement, theaters, discos, concert halls and other scenes that require 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.

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
Number of 232 serial interfaces	1
Number of RJ45 interfaces	1
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	118dB

(A-weight)	
Digital to Analog Dynamic Range (A-weight)	118dB
Input Impedance (Balanced)	20k Ω
Output Impedance (Balanced)	100 Ω
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 $^{\circ}$ C
Product Weight	2KG
Product Size	486x208x44mm
Package Weight	2.5KG
Package Size	590x430x110mm