

DOLPHIN XD

Speaker Manager



Product Introduction

Dolphin series speaker manager is a new generation of upgraded products of S-TRACK. Innovative structural appearance design, hardware using the top of the AD / DA conversion chip, AD and DA support 96KHz sampling rate and more than 123dB dynamic range, the bottom noise is as low as -95dBu. audio input and output support for analog, digital, Dante, and USB Audio. DSP using 40-bit floating-point ultra-high-performance DSP processor, which is able to easily handle the The DSP uses a 40-bit floating point ultra-high performance DSP processor, which can easily handle most of the audio algorithms on the market. The software provides a complete speaker crossover solution for the entire process. Each output channel has a stability and linear phase of 1024 order custom FIR filter, 1500ms input and output channel delay, support for compressor, expander, graphic equalizer, parametric equalizer, dynamic equalizer, mixing, crossover, limiter, and other commonly used algorithms, input and output channel duplication, channel binding, multi-device grouping and co-modulation, and 50 groups of preset scenarios and other functions. Cross-platform PC software, support for mainstream operating systems, such as Windows, macOS, Linux, iPad and so on. The device supports 100MHz Ethernet and high-speed USB interface, automatic discovery of devices, high-speed data communication, the real second to connect to the device. The device adopts 800*268 high-resolution RGB LCD screen, flexible operation mode and shortcut function area, which can truly achieve complete control of the device functions even without PC software.

Functions

- ✧ Dolphin Series Speaker Manager supports multi-channel analog signal, digital signal, Dante, USB Audio input and output for multi-speaker scene signal distribution management;
- ✧ Built-in high-performance, 40-bit floating-point DSP processing chip, 24bit,96kHz processing capability, high-performance A/D and D/A converter;

- ✧ 800*268 resolution high-definition RGB LCD screen, humanized, innovative GUI interactive interface;
- ✧ 1024-order customized FIR filter with stability and linear phase; support for importing FIR parameters generated by third-party software, support for graphical interface display;
- ✧ The input channel contains::expander, gain, delayer (0-1500ms), 31-band graphic equalizer, 15-band parametric equalizer, 3-band dynamic equalizer, compressor;
- ✧ The output channel contains: Delay (0-1500ms), Crossover (Butterworth/Bessel/Linkwich filter type, FIR filter with 1024taps), 15-band Parametric EQ, Gain, RMS Limiter, Peak Limiter function;
- ✧ Professional Windows, macOS, Linux, iPad, Android control software, through the Ethernet and high-speed USB interface for quick connection, to achieve the device 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-device grouping and 50 preset scenes;
- ✧ Configure bidirectional RS485 interface, standard Ethernet control interface, open related protocol documents.

Specification

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| Analog channels | 4 XLR balanced inputs 8 XLR balanced outputs |
| Dante channels | 4 inputs,4 outputs |
| Number of 485 serial interfaces | 1 |
| Number of RJ45 interfaces | 4 |
| Number of USB interfaces | 1 USB Type B |
| Sample Rate & Quantization Bits | 96KHz@24bit |
| Frequency Response | 20Hz~20KHz,±0.2dB |

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| THD+N | ≤0.002%@4dBu |
| Analog to Digital Dynamic Range (A-weight) | 121dB |
| Digital to Analog Dynamic Range (A-weight) | 123dB |
| Input Impedance (Balanced) | 20kΩ |
| Output Impedance (Balanced) | 100Ω |
| Channel Isolation | 105dB@1KHz |
| Maximum Input Level | 20dBu |
| Maximum Output Level | 20dBu |
| Background Noise | -95dBu |
| Operating Power Supply | AC 110V-220V,50Hz/60Hz |
| Power Consumption | <15W |
| Operating Temperature | 0-40°C |
| Product Weight | 2KG |
| Product Dimension | 486x208x44mm |
| Package Weight | 2.5KG |
| Package Dimension | 590×430×110mm |