



Description

It is a high-performance dual-channel 6-input and 4-output full-range noise reduction processor equipped with 4 analog balanced inputs, 4 analog balanced outputs and 2 unbalanced inputs. Providing professional noise suppressor, howling suppression, echo suppression and reverberation suppression effects for high-quality speech sound reinforcement. Integrated automatic gain control(AGC), high and low pass and equalization adjustments to achieve basic sound field adjustment. It has a built-in high-quality microphone preamplifier and provides 48V phantom power supply. It is equipped with GPIO, RS-485, RS-232, network port, and USB interface for quick configuration, remote debugging and monitoring. It also provides panel quick operation functions and is widely used in conference rooms, courts, auditoriums,

Feature

- * High-performance professional audio processor , professional DSP processing.
- * Adopt 32-bit floating point DSP, 24-bit AD/DA, and 48K sampling frequency;
- * Support 1 RS-485, 1 RS-232, 4 GPIO, 1 network port, and 1 USB Type-B interface connection management;
- * With 4 XLR&TRS balanced inputs and support 48V phantom power supply;
- * With 2 sets of stereo inputs and 4 RCA inputs, support the connection of stereo equipment;
- * With 2 XLR balanced outputs and 2 1/4" TRS balanced outputs;
- * Support ANS active noise reduction, using the AI deep learning algorithm based on voiceprint recognition to reduce noise on all signals except human voices;
- * Support 10 adjustable levels of OFF/1~9/MAX, noise reduction from 2dB to 18dB (2dB/level), and active global noise suppression up to 67dB;
- * Support AFC feedback suppression, adopting frequency shifting algorithm, and has built-in 4-level feedback suppression;
- * Providing professional noise suppressor, howling suppression, echo suppression and reverberation suppression effects for high-quality speech sound reinforcement;
- * Built-in AGC automatic gain, the AGC function can control the input signal at a more stable level, and improve the problem of loud and soft sounds caused by changes in the distance between the speaker and the microphone;
- * Support EQ balance setting;
- * Support gain adjustment, providing +15~-60dB gain adjustment and 0~20dB supplementary gain adjustment;
- * Each channel provides 7-band PEQ and high and low pass settings;
- * Built-in 2-inch full-color IPS screen, and equipped with a single-button shuttle knob with a confirmation button to realize quick settings: lock, linkage, ANS, AFS, AGC, input selection and gain adjustment functions;
- * The front panel has 12 indicators, 2 of which display the status of BYPASS and MUTE respectively, and the other 10 support real-time display of the function switch status of 2 channels, including ANS, AFC, AGC, HPF and LPF.



Specification

Signal processing	32-bit fixed/floating-point DSP
Audio system delay	<15ms
Digital to analog conversion	24-bit
Sampling Rate	48kHz
Frequency Range	20Hz~20kHz ±1dB
THD	< 0.02% THD+D
Channel crosstalk	LINE<-90dB@1kHz , MIC<-82dB@1kHz
Dynamic Range	115dB
Input interface	4 XLR&TRS balanced inputs, 4 RCA unbalanced inputs
Input resistance	Balanced 10KΩ
Output Interface	2 XLR balanced outputs, 2 1/4" TRS balanced outputs
Output impedance	<600Ω
Maximum input level	+15dBu (LINE) , -4dBu (MIC)
Maximum output level	+15dBu
Input type	LINE/MIC, +48V phantom power supply
Function	Noise reduction, feedback suppression, automatic gain, PEQ, high and low pass
Communication Interface	RS-485、RS-232、USB Type-B、网口、GPIO
Display	2-inch full-color IPS screen
Indicator light	Noise reduction, feedback suppression, automatic gain, high and low pass
Power requirements	AC ~220V 50Hz, power consumption <20W
Operating temperature	0°C~+40°C
Storage temperature	-20°C~ + 60°C
Dimensions (L×W×H)	482×220×44.4mm
Net weight	3.6Kg