Audio Processor
TS-P260MIR

Description:

It is a high-performance digital audio processor highly integrating multiple audio processing technologies, with 2 inputs and 6 outputs. It adopts DSP audio processing technology to provide users with superior sound quality. It is mainly used in medium and large venues such as stadiums, auditoriums, banquet halls, exhibition halls, multimedia conferences, and so on.

Feature:

* Each input channel: 2 balanced line inputs, standard XLR interface, balanced connection.
* Each output channel: 6 balanced line outputs, standard XLR interface, balanced connection.
* Provide 96kHz FIR filter/high-order signal generator/RTA real-time spectrum analyzer.
* It has a MIR linear phase crossover filter, which has the shape of classic filter (LR24/48) without any phase distortion, keeping the phase curve straight.
* Each input and output channel is equipped with RMS compressor, which can be used to control the signal dynamics on the input channel, or to shape the sound strength. The newly designed peak compressor with extremely low distortion can prevent sudden large dynamic signals from damaging the speaker unit and effectively ensure the safety of the system.
* With AEQ automatic equalization function to measure and generate FIR coefficients in real time on site, directly store them in the processor, and apply FIR to live sound reinforcement or speaker presets.
* Full matrix mixing; any input channel can be sent to the output channel, and several non-adjacent output channels can be superimposed and mixed to the physical output.
* Configure input and output channel selection keys to edit the processing parameters of the current input and output channels. Press and hold for three seconds to mute the current channel.
* Adopt 2*20 LCD screen; configure navigation knob for main function switching, and menu up and down.
* Built-in digital audio processing algorithms: gain, delay, polarity, frequency division, FIR, EQ, mixing matrix, compression, limiter.
* With grouping function, it can control 32 processors at the same time, and can achieve unified control of gain, mute, PEQ and polarity, which increases the convenience of multi-machine debugging.
* Support channel joint control function.
* The panel has a USB B type interface to connect to computer for communication.
* Configure LAN control interface, support TCP/UDP protocol, and the IP address is automatically obtained by DHCP by default.
* Support 1 LAN control interface, which can be directly connected to the PC through the network cable. The IP address is automatically obtained by DHCP by default, and all connections are completed with one key.
* Configure RS485 protocol interface, provide 1 input and 1 output dual interface, which can be used to connect software, and can also be used for central control protocol transmission.
* Equipped with control software, intuitive and graphical interface; support XP/Windows7, 8, 10 and other systems.

Specification:

Input channel	Pre-amplifier, delayer, compressor, 31-band parametric EQ
Output channel	8-band parametric EQ, delayer, crossover, FIR filter, high and low pass filter, limiter
Sampling rate	96K
Frequency response	20Hz-40kHz (-0.35dB)
THD	≤0.003%
D/A dynamic range (A-weighted)	118dB
A/D dynamic range (A-weighted)	118dB
Input impedance (balanced)	20KΩ
Maximum output impedance (balanced)	100Ω
Background noise	≤ -95dBu (A-weighted)
CMRR	60dB
Crosstalk	≤ -95dB
SNR	≥ 113dB
Maximum output level	+20dBu, balanced
Maximum input level	+18dBu, balanced
Power supply	AC90V-240V,50Hz/60Hz
Size (W×D×H)	482×207×44(mm)
Net weight	2.7kg
Gross weight	3kg