2-channel Feedback Suppressor
TS-224H

Feature:

* 48kHz sampling frequency, 32-bit DPS processor (300M Clock Speed), 24-bit A/D and D/A conversion.
* 5 full automatic frequency shift mode options for various scenes and microphone types.
* Adopts a 2-inch IPS true color display, resolution 320*240, support Chinese/English display.
* 48 notch filter status LED indicators are displayed in real time, with 12 static + 12 dynamic notches per channel.
* Using the one-button shuttle shortcut operation, it can quickly realize the functions of mode, pass-through, locking and Chinese/English selection.
* The frequency shifter is adjustable within ±10Hz (1Hz step), and the notch filter gain, Q value, and quantity are adjustable.
* Independent each channel gain, noise gate, compressor, frequency shift, notch, high and low pass, 7-band PEQ function settings.
* With USB and RS-485 communication interface, connect PC upper computer and central control equipment.
* 5 preset modes can be edited freely through the PC upper computer, and the mode archive and EQ archive import/export are supported.

Specification:

Model	TS-224H
Input channel and socket	2 XLR female + 2 TRS female analog input
Output channel and socket	2 XLR male + 2 TRS male analog output
Input impedance	Balance: 10KΩ
Output impedance	Balance: 470Ω
Maximum input level	≤+20dBu
Maximum output level	≤+20dBu
Frequency response	15Hz-25KHz(-0.5dB)
Dynamic range	≥110dB
SNR	≥103dB @1kHz 0dBu (A weighting)
THD	<0.012% OUTPUT=0dBu/1kHz
Channel separation	>82dB(1kHz)
Frequency response	20Hz-20KHz±0.5dB
Squealing detection and suppression	Fully automatic notch & frequency shift
Notch filter	12 static + 12 dynamic/Per channel
Frequency resolution	1Hz
Squealing detection time	0.1-0.5 seconds
Frequency shifter	±10Hz, 1Hz step
Acoustic gain	6-10dB
System gain	0dB
Compressor	-80dB—0dB
Noise gate	-80dB—0dB
Upper computer port	USB Type-B UVC
Communication port	RS-485, dual RJ45 sockets in parallel, baud rate: 115200
Display	2 inch IPS true color LCD screen, resolution 320*240
Processor	48kHz sampling frequency, 32-bit DSP processor(300M clocked frequency),24-bit A/D and D/A conversion.
Power consumption	<20W
Working temperature	-20℃~+60℃
Product size	482x44.4x265mm (L×H×D) (Excluding protruded parts)
Net weight	3.2 kg
Dimension	600x90x338mm (L×H×D)
Gross weight	4.2 kg