



# 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 levels of automatic frequency shift mode selection for various scenes and microphone types.
- \* It adopts a 2-inch IPS true color display with a resolution of 320\*240. Support Chinese/English menu display.
- \* 48 notch filter status LED indicators are displayed in real time, with 12 static + 12 dynamic notches per channel.
- \* It adopts one-key jog shuttle to quickly realize the mode, direct, lock, and Chinese and English selection functions.
- \* The frequency shifter is adjustable at  $\pm 10\text{Hz}$  (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.
- \* USB and RS-485 communication interface to connect PC upper computer and central control equipment.
- \* 5 files of preset modes can be edited freely through the PC host 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: 10K $\Omega$
Output impedance	Balance: 470 $\Omega$
Maximum input level	$\leq +20\text{dBu}$
Maximum output level	$\leq +20\text{dBu}$
Frequency response	15Hz-25KHz(-0.5dB)
Dynamic range	$\geq 110\text{dB}$
SNR	$\geq 103\text{dB}$ @1kHz 0dBu (A weighting)
THD	$< 0.012\%$ OUTPUT=0dBu/1kHz
Channel separation	$> 82\text{dB}$ (1kHz)
Frequency response	20Hz-20KHz $\pm 0.5\text{dB}$
Detection and suppression of howling	Fully automatic notch & frequency shift
Notch filter	12 static + 12 dynamic/Per channel
Frequency resolution	1Hz
Howling detection time	0.1-0.5 seconds
Frequency shifter	$\pm 10\text{Hz}$ , 1Hz step
Acoustic gain	6-10dB
System gain	0dB
Compressor	-80dB—0dB
Noise gate	-80dB—0dB
Host computer interface	USB Type-B UVC
Communication interface	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	$< 20\text{W}$
Operating temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Product size (L×H×D)	482×44.4×265mm (Excluding raised parts)
Net weight	3.2 kg
Size (L×H×D)	600×90×338mm
Gross weight	4.2 kg