

## D6573 Feedback Suppressor



### Features

- 24-bit A/D and D/A conversion, high resolution.
- Each track allows automatic search for 12 frequency feedback, intelligent processing.
- Prompt and easy default processing and complete feedback suppression performance.
- In single-point mode, the device will automatically search for and lock notch frequency until the device is manually reset or reconfigured.
- In manual mode, the user can set all parameters of 2×12 filters, including their frequency and Q value, etc.
- Servo balanced input and output, gold plated XLR and TRS terminals.
- Two modes (SING and AUTO) available on each filter.
- Two parallel processing modules, the left and right channel may be adjusted independently or in parallel.
- 24-bit high-performance DSP, ensuring signal resolution and dynamic range.
- Soft start of switches, free of knocking sound, noise gating function.
- Backlight 2×16 character LCD.
- 2×7 LED level display, capable of displaying input or output level.
- High-quality SMD components and automatic SMD welding and online testing technologies ensure high quality and reliability of the product.
- Specialized internal power supply system.

## Description

CD6573 is a digital automatic feedback suppressor with high performance price ratio. The device allows storage of 10 groups of data for needs of tone quality control in 10 different scenarios. During suppression process the attenuation range may be as low as -48dB. When feedback is detected, the local device will quickly and automatically analyze and lock the feedback frequency by using its advanced DSP algorithm and determine the frequency point, frequency bandwidth and attenuation of the notching filter, and will save the processing results. Since the device is able to control the frequency bandwidth of notching filter, only feedback signal is filtered, without damages to the music signal and with very high acoustic fidelity. The major features of the device include: Refined frequency search, adjustable suppression width, and display of parameters.

## Specifications

Model	D6573
Number of Input Channel	2 channels, (2 XLR, 2 1/4" TRS)
Number of Output Channel	2 channels, (2 XLR, 2 1/4" TRS)
Input Impedance	Unbalanced 10k $\Omega$ /balanced 20k $\Omega$
Output Impedance	150 $\Omega$
Maximum Input Level	10.5dBu
Maximum Output Level	10.5dBu
Sampling Frequency	48kHz
Gain	0dB(+4dB gear), 12dB(-10dBV gear)
Suppression Time	0.3s@1kHz
Audio Gain	9dB
Dynamic Range	106dB, A weighting
Frequency Response	20Hz-20kHz, $\pm$ 0.5dB
CMRR	$\geq$ 55dB(+4dBu gear), $\geq$ 75dB(-10dBV gear)
Crosstalk	$\leq$ 97dB
Distortion+Noise	$\leq$ 0.0025(@1kHz, +4dBu)
SNR	100dB, A weighting, refer to +4dBu
Power Supply	100V-240Vac 50/60Hz
Power Consumption	$\leq$ 10W
Fuse	T1AL/250VAC
Machine Dimensions (L $\times$ W $\times$ H)	482 $\times$ 152 $\times$ 45(mm)
Package Dimensions (L $\times$ W $\times$ H)	515 $\times$ 245 $\times$ 75(mm)
Gross Weight	2.2kg
Net Weight	1.7kg