

i7100

Digital Feedback Eliminator

24 fully programmable parametric filters can be set manually

Auto Mode constantly monitors the mix and automatically resets the filters

Most recent changes are automatically stored and kept, even after the power is off

Manual Mode provides each channel with up to 12 fully parametric filters. Single-Shot, Auto, and Manual modes can be assigned to each individual filter



FEATURES

- ▶ 24-bit A/D and D/A converters with 256/512 times over sampling for high headroom and resolution
- ▶ Internal 32-bit processor with 48 kHz sampling rate
- ▶ Automatically searches for feedback in up to 12 frequencies per channel and intelligently removes it
- ▶ 24 fully programmable Parametric Filters that can be set manually
- ▶ Single-Shot Mode automatically seeks and destroys feedback, locking the filters until manually reset
- ▶ Auto Mode constantly monitors the mix and automatically resets the filters
- ▶ Manual Mode provides each channel with up to 12 fully parametric filters, which include frequency, bandwidth, and gain
- ▶ Single-Shot, Auto, and Parametric filters can be assigned to each individual filter
- ▶ Balanced XLR and 1/4" TRS inputs and outputs
- ▶ 20 user-definable presets, as well as 20 factory presets
- ▶ A 10-segment LED meter per channel for displaying output levels
- ▶ User friendly operation
- ▶ Immediate display and parameter tuning
- ▶ Most recent changes are automatically stored and kept - even after the power is off
- ▶ Key-locking of device provides security against accidental alteration of settings

The i7100 FeedbackSilencer offers 24 feedback filters in two channels. Each filter can be independently set to operate in one of three modes: Single-Shot, Auto, and Parametric. In the Single-Shot mode, each filter is automatically assigned and locked to a feedback frequency until it is manually reset. This mode is best for equalizing systems with stationary microphones where feedback generally occur at only certain fixed frequencies. In the Auto Mode, the filters are dynamically assigned and reassigned to match with varying feedback frequencies. This mode is ideal for systems with mic movements where feedback frequencies tend to vary throughout a program. In Parametric mode, the filters can be manually set to function as a fully parametric EQ, capable of fine adjustments over center frequencies, bandwidth, and gain.

Specifications

ANALOG INPUT	
Connectors	Balanced XLR and 1/4" TRS
Type	RF filtered, servo balanced input
Impedance	20 K ohms balanced, 10 K ohms unbalanced
Nominal Operating Level	-10dB to +4dB
Maximum Input Level	+16 dBu at +4 dB nominal level, +2 dBu at -10 dB Nominal level
ANALOG OUTPUT	
Connectors	Balanced XLR and 1/4" TRS
Type	Electronically servo-balanced output stage
Impedance	600 ohms balanced, 300 ohms unbalanced
Nominal Operating Level	-10 dB to +4 dB
Maximum Output Level	+16 dBu
SYSTEM	
Bandwidth	20 Hz to 20 kHz, +/-0.5
Noise	> -90 dB, unweighed, 20 Hz to 20 kHz
THD	0.075% typ. at +4 dBu, 1 kHz, Gain 1
Crosstalk	< -80 dB
DIGITAL PROCESSING	

Converters	32-bit Sigma-Delta, 256/512-times oversampling	
Sampling Rate	48 KHz	
Controls	4 function keys and 2 selection jog wheels	
DISPLAY		
Type	3-digit numeric LED-Display	
Indication	Channel select mode/frequency mode	
POWER SUPPLY		
Mains Voltages	USA/Canada	~120 V AC, 60 Hz
	U.K./Australia	~240 V AC, 50 Hz
	Europe	~230 V AC, 50 Hz
Fuse	100-120V	AC: 1 A
	200-240V	AC: 0.5 A
Power Consumption	10 Watts	
Mains Connection	Standard IEC receptacle	
PHYSICAL		
Dimensions (H x W x D)	51.3 x 482 x 207.6 (mm)	
	2.02" x 18.98" x 8.17"	
Weight	2.2 Kg (4.8lbs)	

245.4mm (9.7")



51.3 mm (2.02")

Back Panel