

Audio Processors

Feedback Eliminator - DFP-212

DFP212 is a feedback detection DFP-212 device that can be used in dual channel or mono mode. The feedback system analyzes all frequencies in the signal path, determines the cause of the Larsen effect and cancels it by implementing the 12 real-time high precision notch filters that have -45dB attenuation. The system is adjustable in 15 steps, allowing the user to change the DFP-212 sensitivity to audio feedback according to your situation requirements. The parameter settings of the 12 notch filters per channel remain in RAM memory, but if it is required to keep them as a setting for

future reference they must be saved in a user memory preset. If you switch off the DFP-212 before saving any changed settings to a memory, these will be lost and on power up the unit will default to the last saved memory settings.

The DFP212 features 20 memories available with 4 factory presets and 16 user memory presets. The unit has a bypass system that has been designed within the analog domain and the DFP-212 can be connected via MIDI as well as USB for external control and two way movements of data.



Audio

Analog Input -----	2 x XLR, 2 x TRS electronically balanced
Analog Output -----	2 x XLR, 2 x TRS electronically balanced
Input Max Level -----	+15 dBu
Output Max Level -----	+10 dBu
THD+N -----	0.001% at 1kHz 0dBu
S/N -----	>110dB (Bypass mode)
Frequency Response -----	20Hz – 20kHz; -0.5dBu at 20Hz and 20kHz (bypass)

Applications

- Auditoriums
- Houses of Worship
- Theaters
- Performing Art Centers
- Convention Centers
- Stadiums and Arenas
- Touring Musicians
- Stage Monitoring System digital

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FEATURES

- Outstanding Performance----- Great sounding dynamics control
Excellent sonic performance with 24bit high end converters coupled with 48kHz sample rate
Extremely low noise and distortion
Balanced inputs and outputs on 1/4" TRS and XLR
Digital Input
- Top-grade DSP Engine----- Feedback detection based on the Dynamic Band Scanning
Up to 12 real-time high precision notch filters up to -45dB attenuation per channel
- Direct PC/ Connections----- Rear panel USB connector for direct PC communications for monitoring and control via fully manageable remote PC software
MIDI IN/OUT ports
- Control----- Front panel interactive LCD display for local access and configuration
Two Rotary encoder for easier navigation
Bypass switch

DSP & Processing

DSP Engine-----	MARANI® DSP, 24bit (data) x 96 bit (coeff.)
DSP Resolution-----	24 x 32 bit for filtering process
Feedback Processing-----	96 bits resolution on intermediate computation results
	12 real-time high precision notch filters up to -45dB attenuation per channel

General

Device Presets-----	4 Factory + 16 User
Dimensions -----	19" x 1.75" x 9" (483x44x229mm) 1RU
Weight, Net / Shipping -----	7.71 lbs (3.5 Kg) / 8.82 lb (4 Kg)