

BSS – DPR-404 Quad Compressor/De-Esser



The DPR-404 is a 4 channel compressor with high frequency de-essing. Each channel includes:

- Threshold control
- Below threshold metering
- Ratio control
- Gain reduction meter
- Clip LED
- Gain control
- Linking
- High frequency de-esser

Attack and release time constants are automatically and continually regulated by dynamic and harmonic content of program material. The unit features electronically balanced inputs and outputs.

Input Section

Impedance Balanced 12k ohm differential

Max. Input Level + 20dBv

CMRR better than 50dB, 20Hz to 20Khz

Connector XLR331 or equivalent

Output Section

Impedance Balanced and floating to drive 600 ohm loads.

Max. Output Level +20dBv into 600 Ohm load

Connector XLR332 or equivalent

System Performance

Frequency Response + 1DB, 20Khz, ultrasonic low pass filter 3db at 32kHz

Noise Measured to CCIR 4682, <-86dBv

Distortion THD <0.05%, 20Hz to 20kHz

SMPTE IM <0.02%

Crosstalk <90dB, 20Hz to 20kHz

Operating Controls

De-ess Frequency Variable from 10kHz to 10kHz, dynamic HF shelf turnover frequency

De-ess Threshold Variable from +20dBv to 30dBv, independent of compressor/limiter settings.

Threshold Variable between +20dBv and 30dBv

Ratio Variable from 1:1 to infinity:1 (LIMIT) progressive soft to hard knee characteristic

Attack Program dependent, auto time constant. Nominal 200microsec (30 microsec FAST) for 10% response, and nominal 2ms (300 microsec FAST) for 63% response

Release Program dependant, 2 part auto time constant. Nominal 10ms (2ms FAST) to 63% recovery after 4ms overdrive 10db above threshold, and nominal 1s (300ms FAST) to 63% recovery after 40ms overdrive 10dB above threshold

Gain Variable from 20dB to +20dB

Link Stereo linkable in pairs 1/2 and 3/4 Channels 1 and 3 become masters

Metering

Gain Reducton 8 point LED display showing progressive gain reduction from right to left calibrated in dB's

Below Threshold 5 points LED display showing sidechain level below and up to threshold

Clip Single LED showing onset of channel clip

General

Size 482mm x 44mm x 282mm (19" x 1.75" x 11")

Weight 5kg (11lbs) gross shipping

Electricity Supply Switched 120/240V +10% 20% 50/60Hz

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