

Appendix C: Technical Info

SQ • 2 Specifications

Frequency Response

20 Hz to 20 kHz (+0, -1 dB)

Audio Input

Type: Active balanced XLR and 1/4" jacks
Impedance: 60 k Ω balanced
Maximum Input Level: +21 dBu balanced and unbalanced

Audio Output

Type: XLR and 1/4" jacks
Impedance: <40 k Ω unbalanced
Maximum Output Level: +21 dBu
THD+N @ 1 kHz, +4 dBu: 0.05% typical
SMPTE IMD, +4 dBu: 0.01%
Noise and Hum, unity gain: < -93 dBu
Noise and Hum, fully off: < -97 dBu
Crosstalk @ 20 kHz: < -85 dBu
Common Mode Rejection: > 60 dB

Compressor

Type: Auto soft knee/hard knee
Threshold: -40 dBu to +20 dBu
Ratio: 1:1 to LIM
Attack: 0.1 ms to 200 ms
Release: 50 ms to 3 sec
Output: -20 dB to +20 dB

Gate

Type: Soft gate with expander
Threshold: OFF to +10 dBu

AIR Filter

Type: Dynamically controlled frequency correction
Process: Variable from Off to Full

Switches

CHAN IN/OUT Bypass switch
AUTO Program dependent attack and release times

Indicators

CLOSE LED for Expander/Gate
AUTO LED for Auto Attack/Release
Channel IN LED for CHAN IN/OUT Status
8-segment green LED Gain Reduction Meter
POWER ON LED

AC Power and Current Requirements

Power Consumption: 12.5 watts
AC Operating Voltages:
U.S. 120 VAC, 60 Hz
Europe 240 VAC, 50 Hz
Japan 100 VAC, 50/60 Hz
Korea 220 VAC, 60 Hz
Fuse: 315 mA @ 100-240 VAC

Physical Dimensions and Weight

Height: 1.75 in/44 mm
Width: 19.0 in/483 mm
Depth: 8.5 in/216 mm
Weight: 6.6 lb/3.0 kg

Disclaimer

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice.