

LIVE 8



8-BUS LIVE PERFORMANCE CONSOLE



Typical Specifications

NOISE

Measured RMS, 20Hz to 20kHz Bandwidth

Line inputs selected at unity gain and terminated 150R

MIX 36 Inputs routed to Mix, faders at unity -81 dBu
Mix Faders down -95 dBu

AUX 36 Inputs routed, output at max., input faders down -86 dBu

DIRECT OUTPUT Input to Post-Fade Output @ unity gain -90 dBu

Input to Post-Fade Output @ 40dB gain -81 dBu

MATRIX OUTPUT Matrix Output at max., sends down -93 dBu

E.I.N. Microphone Input, Maximum Gain, terminated 150R -129 dBu

CROSSTALK

@ 1kHz 1kHz 10kHz

Fader Attenuation to Direct Output 92 dB 80 dB

Fader Attenuation to Mix (36ch. routed) 94 dB 89 dB

Fader Attenuation to Mix (1 ch. routed) 101 dB 89 dB

Typical Aux Attenuation 88 dB 83 dB

Pan Isolation (36ch. to Mix) L to R 76 dB 68 dB

R to L 81 dB 83 dB

Adjacent Channel Crosstalk 99 dB 95 dB

Routing Isolation 86 dB 86 dB

Mute Offness 104 dB 88 dB

FREQUENCY RESPONSE

Line In to Mix Out via Group (longest path)

25Hz to 20kHz -1dB

T.H.D. -10dBu Input routed to Mix, +20dBu out @ 1kHz < 0.005%

C.M.R.R. Typical at medium gain, 50Hz to 10kHz > 80 dB

Typical at high gain, 50Hz to 10kHz > 85 dB

INPUT & OUTPUT IMPEDANCES

Microphone Input 1.8 kohms

Line Input 10 kohms

Stereo Input 8.6 kohms

Cass/CD Input 12.8 kohms

Stereo Return 19 kohms

INPUT & OUTPUT LEVELS

Mic/.Line Input Maximum Level +28 dBu

Stereo Input +25 dBu

Cass/CD Input +18 dBu

Stereo Return +22 dBu

Nominal Input for +4dBu at Mix Output, level at '7' -10 dBV (LO)

-20 dBV (HI)

Max. Mic Gain through longest path to Mix 84 dB

LX7

7-BUS PROFESSIONAL MIXING CONSOLE



TYPICAL SPECIFICATIONS

Frequency response	XLR Input to any output +0/-1dB, 20Hz-20kHz
T.H.D. & noise	All measurements at +10dBu output, 30dB gain. XLR Input to Direct output <0.007% @ 1kHz XLR Input to Mix output <0.008% @ 1kHz
Mic Input E.I.N.	22Hz-22kHz bandwidth, unweighted . . . <-128dBu (150Ω source)
Mic gain	Min 5dB Max 60dB
Bus noise	Mix output, Input faders @ -∞, Mix fader 0dB 32 channels routed <-85dBu 16 channels routed <-88dBu Group output, Input faders @ -∞, Group fader 0dB 32 channels routed <-85dBu 16 channels routed <-88dBu Aux output, Input sends @ -∞, Aux master 0dB 32 channels routed <-88dBu 16 channels routed <-91dBu
Crosstalk @ 1kHz	Input channel muting >98dB Input fader cutoff >98dB Input pan pot isolation >82dB Mix routing isolation >98dB Group routing isolation >98dB Adjacent channel isolation >100dB Group-Mix crosstalk <-84dB Aux send off <-94dB
CMRR	Mono Input, measured at max gain typically 80dB @ 1kHz
Input & output levels	Input channel mic Input +15dBu max Input channel line Input +30dBu max Stereo Inputs & Insert returns +20dBu max All outputs +20dBu max Nominal operating level 0dBu Headphone power 2 x 250mW Into 200Ω phones
Input & output Impedances	Mic Input 2kΩ Line Inputs >10kΩ Input channel Insert return 5kΩ (with EQ In, otherwise worst case 1.8kΩ) Mix, Group, Aux outputs 150Ω Insert sends 75Ω Recommended headphone Impedance 50-600Ω
High pass filter (Mono Input)	100Hz, 18dB per octave
EQ (Mono Input)	HF 13kHz, +/-15dB, 2nd order shelving HI-Mid 550Hz-13kHz, +/-15dB, Q=1 Lo-Mid 80Hz-1.9kHz, +/-15dB, Q=1 LF 80Hz, +/-15dB, 2nd order shelving
Metering	6 tri-colour 12-segment LED bargraphs
Power consumption	AC mains supply (Internal PSU) 85V-270V AC, 50/60Hz universal Input Power consumption 60W
Weight	16 channel 18.2kg (40lbs) 24 channel 21.8kg (48lbs) 32 channel 25.4kg (56lbs)
Operating conditions	Temperature range -10°C to +30°C Relative humidity 0% to 80%



Note: These figures are typical of performance in a normal electromagnetic environment. Performance may be degraded in severe conditions. All measurements refer to electronically balanced inputs and outputs with VCAs enabled. Input and output transformers may affect these specifications.