

# SL Series



SL 824 USB



SL 1224 USB

SL Series mixers are studio/live mixing consoles with built-in full duplex USB interfacing.

Designed to cater for a wide range of mid format mixing duties, the SL Series includes many features suited to both live sound and home studio applications.

A high quality class-compliant 2-input 2-output 16-bit/48kHz USB interface features on all models, with larger models featuring a flexible record bus and dedicated return channel that is great for live and home recording.

Studio grade microphone preamps are used throughout the range and have balanced XLR inputs, with all channels also offering balanced/unbalanced TRS line level connectivity. In addition all of the mono channels on larger models have a TRS insert point.

An ultra musical 3-band EQ is available on all channels, with an additional high pass filter on the mono channels. A built in FX processor with 16 presets gives you unlimited creative potential and is supplemented by a dedicated FX send and auxiliaries.



SL 424 USB



## Features

- Full duplex 2in/2out 16-bit 48kHz USB interface
- Dedicated USB recording bus (Excluding SL 424)
- Switchable line/USB return channel (Excluding SL 424)
- Studio grade phantom powered microphone pre-amps
- Ultra musical 3 band EQ with high pass filters
- Built-in digital FX with dedicated send
- 2 auxiliary sends (1 send on SL 424)
- Dedicated stereo return with level control
- Pan and Balance controls
- PFL for all channels
- Control room and headphone outputs
- Master outputs with XLR and TRS connectors



## Preliminary Specifications

Model	SL 424 USB	SL 824 USB	SL 1224 USB
Maximum Balanced Output	Main XLR Balanced Out +26.5dBu $\pm$ 1dBu	Main XLR Balanced Out +26.5dBu $\pm$ 1dBu	Main XLR Balanced Out +26.5dBu $\pm$ 1dBu
Level (1%THD at 1KHz)	Main 1/4" Jack Balanced Out +26.5dBu $\pm$ 1dBu	Main 1/4" Jack Balanced Out +26.5dBu $\pm$ 1dBu	Main 1/4" Jack Balanced Out +26.5dBu $\pm$ 1dBu
Maximum Unbalanced	Main XLR Unbalanced Out +21dBu $\pm$ 1dBu	Main XLR Unbalanced Out +21dBu $\pm$ 1dBu	Main XLR Unbalanced Out +21dBu $\pm$ 1dBu
Output Level (1%THD at 1KHz)	Main 1/4" Jack Unbalanced Out +21dBu $\pm$ 1dBu	Main 1/4" Jack Unbalanced Out +21dBu $\pm$ 1dBu	Main 1/4" Jack Unbalanced Out +21dBu $\pm$ 1dBu
THD+N	Headphone Output 150mw $\pm$ 5mw @ 32ohms	Headphone Output 150mw $\pm$ 5mw @ 32 $\Omega$	Headphone Output 150mw $\pm$ 5mw @ 32ohms
Frequency Response	<0.025% @ +14dBu $\pm$ 0.5dBu	<0.025% @ +14dBu $\pm$ 0.5dBu	<0.025% @ +14dBu $\pm$ 0.5dBu
Hum and Noise 20Hz-20KHz (150R)	-127dBu $\pm$ 5dBu Mic Pre Equivalent Input Noise	-127dBu $\pm$ 5dBu Mic Pre Equivalent Input Noise	-127dBu $\pm$ 5dBu Mic Pre Equivalent Input Noise
S/N	-85dBu $\pm$ 5dBu Residual Noise	-85dBu $\pm$ 5dBu Residual Noise	-85dBu $\pm$ 5dBu Residual Noise
FFT	78dB $\pm$ 5dB @ Fader Max	78dB $\pm$ 5dB @ Fader Max	78dB $\pm$ 5dB @ Fader Max
CMRR	-62dBv $\pm$ 5dBv @ Gain Fader Max	-62dBv $\pm$ 5dBv @ Gain Fader Max	-62dBv $\pm$ 5dBv @ Gain Fader Max
Maximum Input Level	62dB $\pm$ 5dB @ 1KHz	62dB $\pm$ 5dB @ 1KHz	62dB $\pm$ 5dB @ 1KHz
Impedances	Mic +4dBu $\pm$ 1dBu	Mic +4dBu $\pm$ 1dBu	Mic +4dBu $\pm$ 1dBu
	Channel Line +21dBu $\pm$ 1dBu	Channel Line +21dBu $\pm$ 1dBu	Channel Line +21dBu $\pm$ 1dBu
	Stereo Line +21dBu $\pm$ 1dBu	Stereo Line +21dBu $\pm$ 1dBu	Stereo Line +21dBu $\pm$ 1dBu
	AUX Return In +21dBu $\pm$ 1dBu	AUX Return In +21dBu $\pm$ 1dBu	AUX Return In +21dBu $\pm$ 1dBu
	Mic: Balanced 6K $\Omega$ , Unbalanced 3K $\Omega$ $\pm$ 200 $\Omega$	Mic: Balanced 6K $\Omega$ , Unbalanced 3K $\Omega$ $\pm$ 200ohms	Mic: Balanced 6K $\Omega$ , Unbalanced 3K $\Omega$ $\pm$ 200 $\Omega$
Mono Input Channel Gain	Line: Balanced 44K $\Omega$ , Unbalanced 22K $\Omega$ $\pm$ 2K $\Omega$	Line: Balanced 44K $\Omega$ , Unbalanced 22K $\Omega$ $\pm$ 2K $\Omega$	Line: Balanced 44K $\Omega$ , Unbalanced 22K $\Omega$ $\pm$ 2K $\Omega$
	AUX Return: Balanced 20K $\Omega$ , Unbalanced 10K $\Omega$ $\pm$ 2K $\Omega$	AUX Return: Balanced 20K $\Omega$ , Unbalanced 10K $\Omega$ $\pm$ 2K $\Omega$	AUX Return: Balanced 20K $\Omega$ , Unbalanced 10K $\Omega$ $\pm$ 2K $\Omega$
	All Other Unbalanced Outputs: 100 $\Omega$ , Balanced Outputs: 50ohms	All Other Unbalanced outputs: 100 $\Omega$ , Balanced Outputs: 50 $\Omega$	All Other Unbalanced Outputs: 100 $\Omega$ , Balanced Outputs: 50ohms
	50dB Variable MIC (0~ -50dB) Line (-20dB~ +30dB)	50dB Variable MIC (0~ -50dB) Line (-20dB~ +30dB)	50dB Variable MIC (0~ -50dB) Line (-20dB~ +30dB)
	Input Channel EQ	Input Channel EQ	Input Channel EQ
Effect Out	High ( $\pm$ 10dB) $\pm$ 1.5dB 12kHz Shelving	High ( $\pm$ 10dB) $\pm$ 1.5dB 12kHz Shelving	High ( $\pm$ 10dB) $\pm$ 1.5dB 12kHz Shelving
	Mid ( $\pm$ 10dB) $\pm$ 1.5dB 1kHz Shelving	Mid ( $\pm$ 10dB) $\pm$ 1.5dB 1kHz Shelving	Mid ( $\pm$ 10dB) $\pm$ 1.5dB 1kHz Shelving
	Low ( $\pm$ 10dB) $\pm$ 1.5dB 80Hz Shelving	Low ( $\pm$ 10dB) $\pm$ 1.5dB 80Hz Shelving	Low ( $\pm$ 10dB) $\pm$ 1.5dB 80Hz Shelving
	16x Effects: (1)Hall1 (2)Hall2 (3)Room1 (4)Room2 (5)Room3 (6)Platerverb1 (7)Platerverb2 (8)Platerverb3 (9)Chorus (10)Flange (11)Delay1 (12)Delay2 (13)Chorus/Room1 (14)Chorus/Room2 (15)Bypass (16)Rotaryspeaker	16x Effects: (1)Hall1 (2)Hall2 (3)Room1 (4)Room2 (5)Room3 (6)Platerverb1 (7)Platerverb2 (8)Platerverb3 (9)Chorus (10)Flange (11)Delay1 (12)Delay2 (13)Chorus/Room1 (14)Chorus/Room2 (15)Bypass (16)Rotaryspeaker	16x Effects: (1)Hall1 (2)Hall2 (3)Room1 (4)Room2 (5)Room3 (6)Platerverb1 (7)Platerverb2 (8)Platerverb3 (9)Chorus (10)Flange (11)Delay1 (12)Delay2 (13)Chorus/Room1 (14)Chorus/Room2 (15)Bypass (16)Rotaryspeaker
	Level Meter	Level Meter	Level Meter
AC Power options	12 Segment LEDx2 (Output of +4dBu = 0dBu) Main L/R	12 Segment LED x2 (Output of +4dBu = 0dB) Main L/R	12 Segment LEDx2 (Output of +4dBu = 0dBu) Main L/R
Dimensions (H x W x D)	AC100V-240V~ 50/60Hz	AC100V-240V~ 50/60Hz	AC100V-240V~ 50/60Hz
Weight	76mm x 248mm x 262mm / 3" x 9.8" x 10.3"	80mm x 400mm x 369mm / 3.15" x 15.7" x 14.5"	80mm x 400mm x 475mm / 3.15" x 15.7" x 18.7"
	2.7kg / 5.95lbs	5.2kg / 11.46lbs	6.85kg / 15.10lbs