

StageScape M20d

20-input Smart Mixing System for Live Sound



Technical Specifications



A smarter, faster path to great live sound

StageScape™ M20d is the world's first smart mixing system for live sound. Utilizing a groundbreaking touchscreen visual mixing environment, StageScape M20d streamlines the process of getting a great live mix. Massive DSP power delivers comprehensive, professional audio processing on every channel including multi-band feedback suppression. Multi-channel recording allows you to easily capture rehearsals or shows, with or without a computer. The entire system can be controlled remotely from the stage or audience with one or more iPad® devices. Connect StageScape M20d to StageSource™ speakers via L6 LINK™ to create the ultimate digitally networked dream stage setup.

Inputs/Outputs

System Type:	20-input live sound digital mixer
Mic Inputs:	12 high-performance, digitally controlled, auto-sensing mic pres, switchable +48V
Line Inputs:	16 auto-sensing line inputs
Digital Streaming Inputs:	2 digital streaming inputs direct from computer, USB drive or SD card
Stereo Inputs:	Stereo line input for integrating MP3 players or other sound sources
Monitor Outputs:	4 auto-sensing monitor outputs on balanced XLR connectors
Main Outputs:	L+R auto-sensing main outputs on balanced XLR connectors
Pad (Inputs/Outputs):	12dB (-10dBu to +4dBu)
Digital Networking:	L6 LINK multi-channel digital networking for integrating L6 LINK-enabled speakers

Control & Recording

Touchscreen:	Onboard touchscreen visual mixing environment, 7" resistive touch
Remote Control:	Remote control capability via one or more iPad® devices*
WiFi Networking:	WiFi host capability via USB WiFi adapter
Channel Groups:	Multiple channels can be grouped onto one encoder for grouped volume control
Recording:	Multi-channel recording to computer, USB drive or SD card
Quick Capture:	Quick Capture recording to internal memory for sound check

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Processing

Processing:	Internal 32-bit floating point audio processing
Converters:	24-bit, 48kHz
Channel Audio Processing:	Parametric EQs, dynamic EQs, multi-band compressors, gates, limiters, mod and more
Feedback Suppression:	Multi-band feedback suppression on every mic input
Effects Engines:	4 stereo master effects engines including reverbs, delays and vocal doubler
Memories:	Virtually unlimited I/O Setups, Scenes, and Channel Presets
USB Backup:	Back up Setups, Scenes, Presets and more directly to USB stick or SD card

Specifications

Frequency Response:	20Hz-20kHz \pm 0.2dB ¹
Max Level Input, XLR on Combi:	+15dBu
SNR, XLR on Combi:	-113dB ²
THD+N, XLR on Combi:	<0.006% (1kHz @ +0dBu), <0.02% (1kHz @ +15dBu)
CMRR, XLR on Combi:	47dB-63dB
Max Level Input, 1/4" on Combi:	+28dBu (with 12dB pad)
SNR, 1/4" on Combi:	-114dB ²
THD+N, 1/4" on Combi:	<0.006% (1kHz @ +0dBu), <0.02% (1kHz @ +28dBu)
CMRR, 1/4" on Combi:	47dB -63dB
Max Analog Gain, on Combi:	60dB
Max Level Input, 1/4" Line Inputs:	+21dBu (with 12dB pad)
SNR, 1/4" Line Inputs:	-109dB ²
THD+N, 1/4" Line Inputs:	<0.006% (1kHz @ +0dBu), <0.03% (1kHz @ +21dBu)
CMRR, 1/4" Line Inputs:	-70dB
Max Level Output, Main L/R:	+21dBu
SNR, Main L/R:	-117dB ³
Max Level Output, Monitor Outs:	+20dBu
SNR, Monitor Outs:	-114dB ³
Dimensions (HxWxD) / Net Weight:	4.7" (120 mm) x 16" (406 mm) x 13.3" (337 mm) / 12.3 lb (5.5kg)

0dBu = 0.775Vrms Unloaded (>100k) ¹source impedance: 600 Ω , level: 15dBu (just before clipping) Mic XLR input. ²Measured at main o/p (entire signal chain) with 22Hz HPF, 22kHz LPF, A-Weighted. ³Measured with internal oscillator, DAC & o/p circuitry. with 22Hz HPF, 22kHz LPF, A-Weighted.

* iPad is a trademark of Apple Inc., registered in the U.S. and other countries.

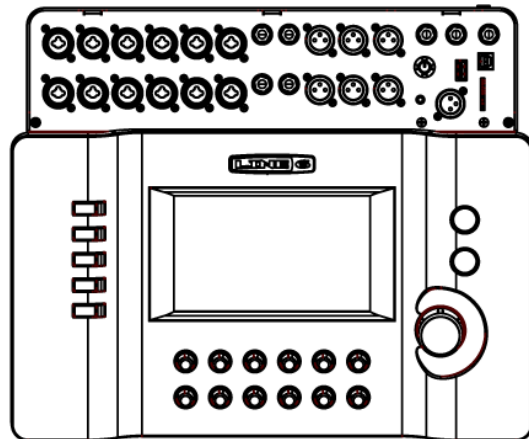
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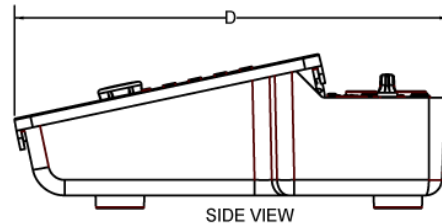
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Dimensions

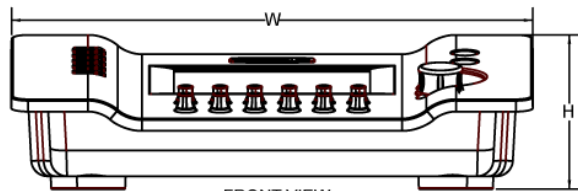


TOP VIEW

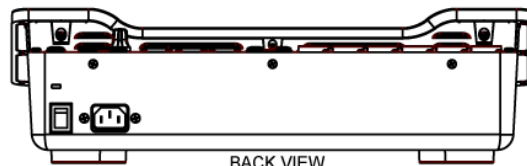
	DIMENSION
H	120mm [4.7in]
W	406mm [16.0in]
D	337mm [13.3in]
Weight	5.5kg [12lb 3oz]



SIDE VIEW

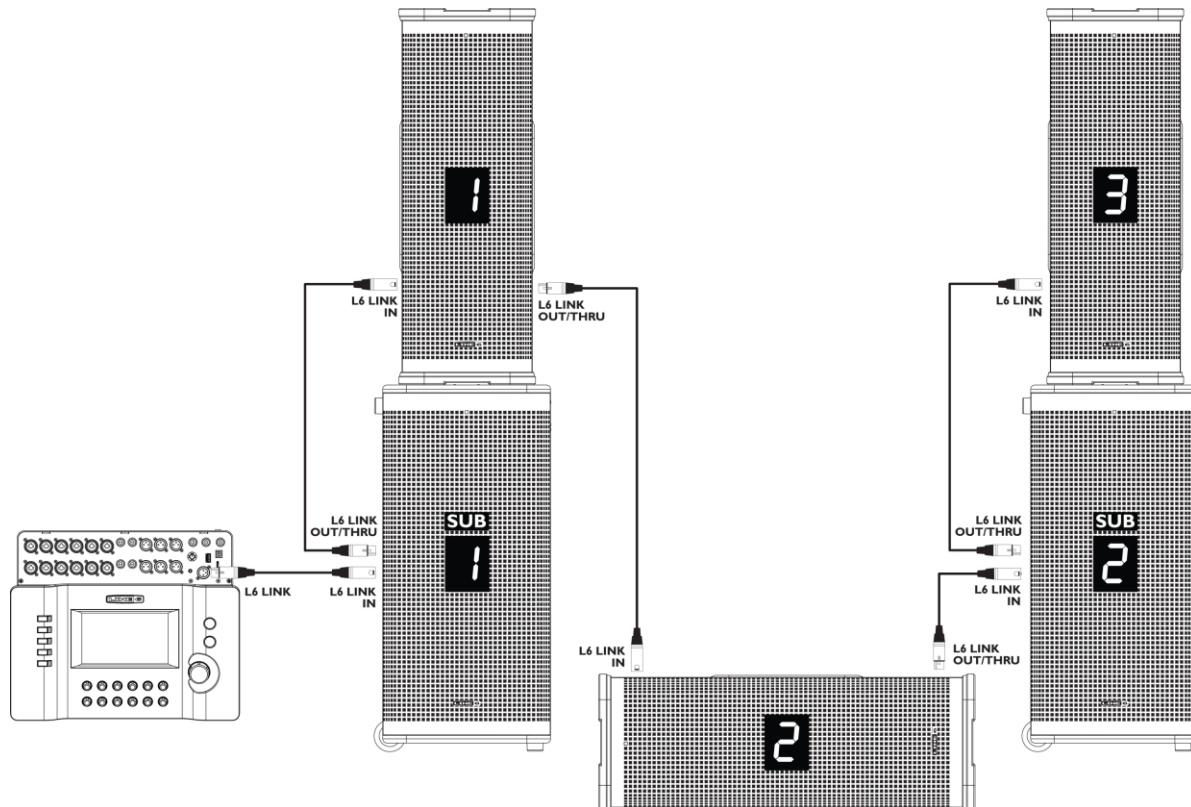


FRONT VIEW



BACK VIEW

Digital Networking with StageSource Speakers via L6 LINK, Diagram 1



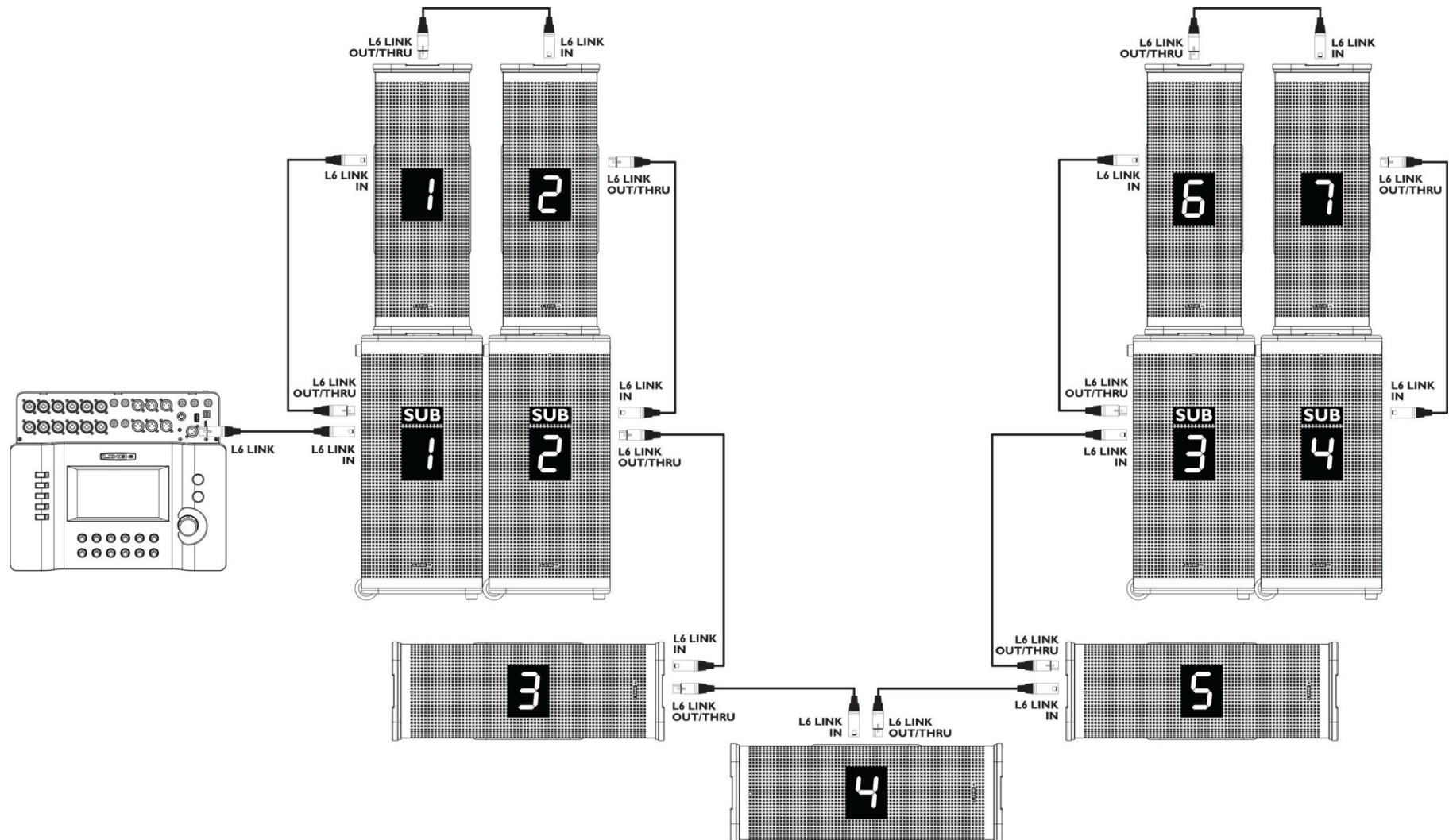
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Digital Networking with StageSource Speakers via L6 LINK, Diagram 2



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LINE 6

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