



INTRODUCTION:

Proven at millions of gigs worldwide, the Mackie DL Series combines the power of a full-featured digital live sound mixer with the unmatched ease-of-use of an iPad.

The 16-channel DL1608 features premium hardware like 16 boutique-quality Onyx preamps and Cirrus Logic[®] converters deliver unparalleled sound quality.

Mackie's class-leading Master Fader control software provides seamless wired-to-wireless control over an amazing amount of professional-grade processing for all inputs and outputs.

Plus, you can control it all wirelessly from up to 20 iOS devices. Truly the ideal digital mixer for bands, rental houses and production/installation, you get all the benefits of a next-gen console and more at an incredible price with the Mackie DL1608.

FEATURES:

- 16-Channel Digital Live Sound Mixer
 - 16 Onyx[™] mic preamps
 - Eight balanced outputs
 - High-end Cirrus Logic® converters
 - Ultra low-noise, high-headroom design
 - Rugged, compact desktop design with iPad® dock
 - Rackmountable with optional kit

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Flexible Wireless or Docked Control

- Mix wirelessly from anywhere in the venue from your iPad o Unmatched wireless control over mix
 - o Supports up to 20 iOS devices at once
 - o Personal monitor mixing via iPhone® or iPod touch®

Digital Live Sound Mixer with iPad® Control

- Dock your iPad for added features and security
 - o Creates an integrated, self-contained desktop mixer
 - o Total control over assignable 2-channel recordings for immediate playback and easy exporting
 - o Playback music from any iPad app and incorporate into the mix
 - o Always keep your iPad charged
 - o PadLock[™] feature locks down iPad for security
 - o Industry standard Kensington lock secures mixer
 - o iPad Air 2, iPad Air and iPad (4th generation) docking compatibility
 - o Optional iPad mini docking tray available
- Master Fader Control App
 - Proven, intuitive workflow that's customizable for your application
 - o Create view groups and see only the channels you need
 - o Unique access limiting hides controls you aren't using
 - Export presets, shows and complete system backups via Dropbox, email and more using iOS system sharing
 - Quick setup with tons of factory and user-definable presets
 - Complete offline operation saves setup time at gig
 - The most frequently updated mixing app on the market
- Professional, Comprehensive DSP
 - Packed with more DSP processing than any other compact mixer
 - 18 input channels with 4-band PEQ + HPF, gate and compression
 - o 16 stereo-linkable input channels
 - o 2 stereo-linkable iPad return channels*
 - 12 output busses with 4-band PEQ + HPF/LPF, 31-band GEQ, comp/limiter, alignment delay and RTA o 6 stereo-linkable aux sends
 - o 4 stereo-linkable subgroups*
 - o Main L/R busses
 - 4 VCAs and 4 mute groups
 - 2 stereo FX processors with dedicated sends and returns
 - Choice of powerful, touch-sensitive modern and vintage plug-ins

*iPad return channels and subgroups feature PEQ and compression. Wi-Fi router required for wireless operation. Wi-Fi router and iPad, iPhone or iPod touch not included.

Master Fader available for free in the App Store. iOS 8.0 or later required for operation.

See Supported Devices on page 3 for complete compatibility information.







DLIGO8 SPECIFICATIONS

Sample Rate:	48 kHz	Connectors	
/D/A Bit Depth:	24-bit	1-12:	XLR Balanced
•		13-16:	Combo XLR / TRS Balanced
vstem Latency:	1.5 ms	XLR Mic Pre:	Ony
		Input Impedance	
		1-12:	3 kΩ
		13-16:	3 k Ω mic [XLR
			30 kΩ line [1/4'
		Max Input Level	
Deserves		XLR:	+21 dB
requency Response		1/4":	+30 dB
Il inputs to all outputs: ±0, -1 dB	, 20 Hz to 20 kHz	Gain	
		XLR:	0 to 60 dl
		1/4":	–20 to 40 dl
		48V Phantom Power (XL	
			with up to eight simultaneous
			5 mA max per mid
			with up to 16 simultaneously
		Connectors:	XLR Balanced
		Output Impedance:	600 2
		Max Output Level:	+21 dB
loise / Dynamic Range / Signal-to-Noise Ratio Equivalent Input Noise (EIN) 50 O termination:			
equivalent Input Noise (EIN) 50 Ω termination:	–128 dBu	Analog Aux Sends 1-6	
quivalent Input Noise (EIN) 50 Ω termination: 1ic input to main output (A-weighted)	–128 dBu	Connectors:	•
quivalent Input Noise (EIN) 50 Ω termination:	–128 dBu –79 dBu	Connectors: (S	upports balanced / unbalanced operation
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down:	–128 dBu	Connectors:	upports balanced / unbalanced operation 240 Ω Balanced
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk	–128 dBu –79 dBu –90 dBu	Connectors: (S	1/4" TRS Impedance Balance supports balanced / unbalanced operation 240 Ω Balanced 120 Ω Unbalanced
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk Adjacent inputs: <	–128 dBu –79 dBu	Connectors: (S	upports balanced / unbalanced operation 240 Ω Balanced
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk Adjacent inputs: < Outputs: <	–128 dBu –79 dBu –90 dBu –120 dB @ 1 kHz	Connectors: (S Output Impedance:	supports balanced / unbalanced operation 240 Ω Balance 120 Ω Unbalance
quivalent Input Noise (EIN) 50 Ω termination: flic input to main output (A-weighted) Channel and main faders at unity: Faders down: Brosstalk Adjacent inputs: Outputs: 'hones level pot feedthrough @ minimum travel:	–128 dBu –79 dBu –90 dBu –120 dB @ 1 kHz –105 dB @ 1 kHz	Connectors: (S Output Impedance:	supports balanced / unbalanced operation 240 Ω Balance 120 Ω Unbalance
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk Adjacent inputs: < < Outputs: <	–128 dBu –79 dBu –90 dBu –120 dB @ 1 kHz –105 dB @ 1 kHz	Connectors: (S Output Impedance:	supports balanced / unbalanced operation 240 Ω Balance 120 Ω Unbalance
quivalent Input Noise (EIN) 50 Ω termination: ic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk Adjacent inputs: < Outputs: < nones level pot feedthrough @ minimum travel: gnal-to-Noise Ratio ef +4 dBu, one channel and main fader at unity,	–128 dBu –79 dBu –90 dBu –120 dB @ 1 kHz –105 dB @ 1 kHz	Connectors: (S Output Impedance:	supports balanced / unbalanced operation 240 Ω Balance 120 Ω Unbalance
quivalent Input Noise (EIN) 50 Ω termination: lic input to main output (A-weighted) Channel and main faders at unity: Faders down: rosstalk Adjacent inputs: < < Outputs: <	-128 dBu -79 dBu -90 dBu -120 dB @ 1 kHz -105 dB @ 1 kHz <-75 dB	Connectors: (S Output Impedance:	upports balanced / unbalanced operation 240 Ω Balance 120 Ω Unbalance +21 dB

(One channel and main fader at unity, A-weighted):		109 dB
CMRR:	>70 dB @ 1 kHz (6	0 dB gain)

Connector: 1/4" TRS Stereo +18 dBu into 600 Ω Max Output Level: +19.5 dBu max into 100 Ω

Networking

Normonning	
Connector:	100 MB Ethernet
Control:	Complete
Simultaneous Control:	20 iOS Devices



48 watts max

DLIGO8 SPECIFICATIONS CONTINUED...

Supported Devices

	For optimal performance, we suggest e latest iOS version [iOS 8.0 minimum]
iPad Version Requirement ¹	
Wired [Lightning Conn	ector]: iPad (4th generation) ² , iPad mini ³ , iPad mini 2 ³ , iPad mini 3 ³ , iPad mini 4 ³ , iPad Air ⁴ and iPad Air 2 ⁴
Wired [30-pin Connect	tor]: iPad 2 ² , iPad (3rd generation) ²
Wireless: All i	Pad models (except the original iPad), Future iPad devices ⁵
iPhone / iPod touch Version	Requirement
Wireless: iPho	one 4, iPhone 4S, iPhone 5, iPhone 5s,
iPhone 5	c, iPhone 6, iPhone 6s, iPhone 6 Plus,
	e 6s Plus, iPod touch (5th generation),
F	uture iPhone and iPod touch devices ⁵
Control Application:	<u>Mackie Master Fader App⁶</u>

External Supply	
Power Requireme	nts: 100 VAC – 240 VAC,
	50 – 60 Hz
	Universal Supply
Output Voltage:	12 VDC
Current:	4A
DC Connector:	5.5 mm x 2.5 mm barrel with locking ring
Line Cord:	User-replaceable IEC
Operating Temperature	0 - 40 °C
[extended ambient temp	perature]: 32 - 104 °F

Physical Properties (packaged product)

Height:	6.1 in / 155 mm
Depth:	18.9 in / 480 mm
Width:	18.1 in / 460 mm
Weight:	12.8 lb / 5.8 kg

Physical Properties (product)

Height (Front):	1.6 in / 40 mm
Height (Rear):	3.7 in / 95 mm
Depth:	15.4 in / 391 mm
Width:	11.5 in / 291 mm
Weight:	7.9 lb / 3.6 kg
Rack:	Nine Rack Spaces [Needs an additional
	space or two above to allow for connections]

Options

Power

Power Consumption:

DL1608 Rackmount Kit:	P/N 2036840
DL1608 Mixer Bag:	P/N 2036809-16
DL1608 Mixer Cover:	P/N 2036809-17

Ordering Information

30-Pin Connector DL1608 Digital Live Sound Mixer with iPad Control	
US:	P/N 2037372-00
EU:	P/N 2037372-01
CN:	P/N 2037372-05
BZ (~120V):	P/N 2037372-06

Lightning Connector DL1608 Digital Live Sound Mixer with iPad Control

US:	P/N 2042505-00
EU:	P/N 2044387-01
UK:	P/N 2044387-03
CN:	P/N 2044387-05
BZ (~120V):	P/N 2044387-06

18 input channels with 4-band PEQ + HPF, gate and compression 16 stereo-linkable input channels

2 stereo-linkable iPad channels (PEQ and compression only)

12 output busses with 4-band PEQ + HPF/LPF, 31-band GEQ,

comp/limiter, alignment delay and RTA 6 stereo-linkable aux sends

4 stereo-linkable subgroups (PEQ and compression only) Main L/R busses

4 VCAs and 4 mute groups

DSP

2 stereo FX processors (1 reverb, 1 delay) with dedicated sends and returns

Modern and Vintage options per processor

¹ The DL1608 also works with the original iPad (wired and wirelessly), BUT only with Master Fader V2.1.1 (or less).

² The iPad 2, iPad (3rd generation) and iPad (4th generation) require an iPad 2-3-4 tray for wired connections.

³ The iPad mini requires an iPad mini tray for wired connections. iPad mini trays sold separately.

⁴ The iPad Air and iPad Air 2 require an iPad Air tray for wired connections. iPad Air trays sold separately.

⁵ This assumes, of course, that future iOS devices do not communicate via infrared, radiation, television, sparklers, hoagies, frickin' laser beams, or some other crazy, fandangled new contraption. Even then, we'll still give it the 'ol college try. After all, we do have sharks at the ready.

⁶ https://itunes.apple.com/us/app/mackie-master-fader/id511500747?mt=8

MACKIE.

DL1602

Digital Live Sound Mixer with iPad® Control

DLIGO8 DIMENSIONS





DLIGOS

DLIGO8 DIMENSIONS CONTINUED...







Digital Live Sound Mixer with iPad® Control

DLIGO8 FRONT PANEL



DLIGO8 REAR PANEL



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"Made for iPad" means that an electronic accessory has been designed to connect specifically to iPad and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPad may affect wireless performance.

LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

Electronic files for this product are available at:

www.mackie.com

Specification Sheet	DL1608_SS.PDF
Reference Guide	DLSeries_RG.PDF
Quick Start Guide	DLSeries_QS.PDF



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