

Mackie DL32R Specs

Mixer

Number of Analog Input Channels 36

Number of Analog Output Channels 12

Max I/O Capacity **32 x** Input / **12 x** Output

Number of Mic Preamps 32

Faders *None*

Mix Routing **14 x** Aux Send
6 x Matrix
6 x Subgroup

Groups **6 x** VCA Group
6 x Mute Group

Signal Processing

Gain/Trim Range **Mic:**
0 dB to 60 dB (in 3 dB Steps)
Line:
-20 dB to 40 dB (in 3 dB Steps)

Dynamic Processing	Input Channels: Compressor, Gate Buses, Master: Compressor, Limiter
EQ	FX Returns: 4-Band Parametric Input Channels: 4-Band Parametric Output Buses: 4-Band Parametric 31-Band Graphic
Graphic EQ	31-Band
Filters	High-Pass Outputs: High-Pass Low-Pass
Internal Effects	2 x Reverb 1 x Delay ⓘ
Audio Delay	Yes

Digital Audio

Sample Rates	48 kHz AES3 Output: 48 kHz Multitrack Record: 48 kHz Audio Streaming: 48 kHz
--------------	---

Bit Depth

AD/DA Conversion:

24-Bit

AES3 Output:

24-Bit

Record:

16 / 24-Bit

Audio Streaming:

16 / 24-Bit

Latency

1.5 ms (Analog Input to Analog Output)

Performance

dBFS Reference Level

+22 dBu = 0 dBFS

Frequency Response

20 Hz to 20 kHz -1 dB

Max Input Level

XLR Input:

+21 dBu

1/4" Input:

+30 dBu

Output Level

Headphone Output:

+18 dBu (Max)

Output:

+21 dBu (Max) ⓘ

Analog Dynamic Range

Input to Output:

109 dBA at Unity Gain

Output:

111 dBA

I/O Impedance

AES3 Output:

110 Ohms

XLR Mic Input:

3 Kilohms
1/4" Input:
30 Kilohms
XLR Output:
600 Ohms
Monitor Output:
240 Ohms (Balanced)
120 Ohms (Unbalanced)

Crosstalk **Adjacent Inputs:**
Adjacent Outputs:

EIN -128 dBu (150-Ohm Input)

Noise Floor -90 dBu (A-Weighted) ⓘ

SNR 92 dBA at Unity Gain (+4 dBu Reference)

THD **Mic Input to Main Output:**

Connectivity

Analog Inputs **24 x** XLR Balanced Input
8 x Combo XLR-1/4" TRS Balanced Input

Analog Outputs **14 x** XLR Balanced Output
2 x 1/4" TRS Balanced Output (1 Stereo Pair)
1 x 1/4" TRS Headphone Output

Phantom Power +48 V

Digital I/O	1 x RJ45 (Wi-Fi Router, 100 Mb/s) 1 x XLR AES3 Output
-------------	--

MIDI I/O	<i>None</i>
----------	-------------

USB	1 x USB Type-A (USB 2.0, External Memory) 1 x USB Type-B (USB 2.0, Host Connection)
-----	--

Wireless Connectivity	<i>None</i>
-----------------------	-------------

External Display Connection	<i>None</i>
-----------------------------	-------------

Recording

Max Multitrack Recording	24 Tracks
--------------------------	-----------

Media Support	HDD
---------------	-----

File Format Support	WAV
---------------------	-----

File System Support	HDD: FAT32
---------------------	-------------------

Compatibility

OS Compatibility	Windows 7 Windows 8 macOS 10.8.4
------------------	--

macOS 10.9
iOS 7.1 or Later

Mobile Device
Compatibility

iPad 3rd Gen., 4th Gen., 2
iPad Mini with Retina
iPad Air
iPhone ⓘ

Power

AC Input Power

100 to 240 VAC, 50 / 60 Hz

AC Power Connector

IEC

Power Consumption

100 W (Maximum)

Physical

Rackmount Size

3RU

Operating Temperature

32 to 104°F / 0 to 40°C

Dimensions

5.4 x 19 x 17.5" / 138 x 483 x 443 mm

Weight

18 lb / 8.2 kg

Packaging Info

Package Weight

23.5 lb

Box Dimensions (LxWxH)

21.6 x 21.5 x 9.3"
