

# Mackie DL16S Specs

## Mixer

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Number of Analog Input Channels	16
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Number of Analog Output Channels	8
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Max I/O Capacity	<b>16 x</b> Input / <b>8 x</b> Output
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Number of Mic Preamps	16
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Faders	<i>None</i>
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Mix Routing	<b>6 x</b> Stereo Aux Send <b>6 x</b> Subgroup
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Groups	<b>6 x</b> VCA Group <b>6 x</b> Mute Group
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## Signal Processing

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Gain/Trim Range	<b>Mic:</b> 0 dB to 60 dB (in 3 dB Steps) <b>Line:</b> -20 dB to 40 dB (in 3 dB Steps)
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Dynamic Processing

**Input Channels:**  
Compressor, Gate  
**Buses, Master:**  
Compressor, Limiter

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EQ

**Input Channels:**  
4-Band Parametric  
**Output Buses:**  
4-Band Parametric  
31-Band Graphic

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Graphic EQ

31-Band

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Filters

High-Pass  
**Outputs:**  
High-Pass  
Low-Pass

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Internal Effects

Stereo Reverb  
Stereo Delay  
Stereo Chorus  
Stereo Flanger

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Audio Delay

Yes

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## Digital Audio

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Sample Rates

48 kHz  
**AES3 Output:**  
48 kHz  
**Multitrack Record:**  
48 kHz  
**Audio Streaming:**  
48 kHz

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Bit Depth

**AD/DA Conversion:**

24-Bit  
**AES3 Output:**  
24-Bit  
**Record:**  
16 / 24-Bit  
**Audio Streaming:**  
16 / 24-Bit

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Latency 1.5 ms (Analog Input to Analog Output)

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## Performance

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dBFS Reference Level +22 dBu = 0 dBFS

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Frequency Response 20 Hz to 20 kHz -1 dB

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Max Input Level  
**XLR Input:**  
+21 dBu  
**1/4" Input:**  
+30 dBu

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Output Level  
**Headphone Output:**  
+18 dBu (Max)  
**Output:**  
+21 dBu (Max)

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Analog Dynamic Range  
**Input to Output:**  
109 dBA at Unity Gain  
**Output:**  
111 dBA

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I/O Impedance  
**AES3 Output:**  
110 Ohms  
**XLR Mic Input:**  
3 Kilohms

**1/4" Input:**

30 Kiloohms

**XLR Output:**

600 Ohms

**Monitor Output:**

240 Ohms (Balanced)

120 Ohms (Unbalanced)

Crosstalk

**Adjacent Inputs:****Adjacent Outputs:**

EIN

-127 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

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

Analog Outputs

**8 x** XLR Balanced Output**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	<b>1 x</b> USB Type-B (USB 2.0, Host Connection)
Wireless Connectivity	<i>None</i>
External Display Connection	<i>None</i>

## Recording

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Max Multitrack Recording	16 Tracks
Media Support	HDD
File Format Support	WAV
File System Support	<b>HDD:</b> FAT32

## Compatibility

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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

## Power

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AC Input Power 100 to 240 VAC, 50 / 60 Hz

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AC Power Connector IEC

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Power Consumption 100 W (Maximum)

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## Physical

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Rackmount Size 3RU

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Operating Temperature 32 to 104°F / 0 to 40°C

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Dimensions 14.1 x 5.6 x 5.8" / 35.8 x 14.2 x 14.7 cm

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Weight 6.2 lb / 2.8 kg

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## Packaging Info

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Package Weight 10.65 lb

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Box Dimensions (LxWxH) 17.3 x 10 x 10"

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