The DL32R delivers 32-channels of powerful digital mixing that’s completely controlled wirelessly from your iPad, freeing you to get in the mix like never before.

It’s got convenient direct-to-drive multi-track recording/playback and an ultra-compact 3U rackmount design that lets you ditch the snake once and for all.

Fully loaded with DSP on each of the 32 Onyx+™ mic pres and 28 busses, the DL32R provides the power needed for professional applications.

The industry-proven Master Fader™ control app delivers extremely intuitive control over everything, including the ability to digitally recall each and every setting for incredibly fast setup.

Control everything from anywhere with the Mackie DL32R.

**FEATURES:**

- **32-Channel wireless digital mixer**
  - 32 Onyx+™ recallable mic pres with wireless control
  - 14 fully-assignable XLR outputs
  - Stereo AES digital output
  - Total recall of all settings
  - 3U rackmount design ready for road or install
  - Card slot for Dante expansion card

- **Wireless mixing**
  - Complete control from your iPad®
  - No set FOH position – mix from anywhere
  - Personal monitor mixing via iPad, iPhone®, or iPod touch®
  - Supports up to 20 separate iOS devices at once
  - Multiple engineers can work from a single mixer
  - Ditch the snake – place the mixer anywhere

- **Multi-track recording & playback**
  - 32x32 USB 2.0 audio interface for Mac or PC
  - 32x32 recording/playback direct to USB 2.0 hard drive
  - Wireless control over all direct-to-disk recording/playback functions
  - Record the show for later mixdown
  - Playback intermission music, backing tracks and announcements
  - Perform a virtual soundcheck
  - Easy exporting using iOS system sharing
  - Amazing recording interface for the studio
  - Utilize Mac or PC audio plug-ins in a live environment

- **Fully-loaded DSP**
  - 36 input channels with 4-band PEQ + HPF, gate and compression
    - 32 stereo-linkable input channels
    - 4 stereo-linkable return channels
  - 28 output busses with 4-band PEQ + HPF/LPF, 31-band GEQ, comp/limiter, alignment delay & RTA
    - 14 stereo-linkable aux sends
    - 6 stereo-linkable matrix busses
    - 6 stereo-linkable subgroups
  - Main L/R busses
  - 6 VCAs and 6 mute groups
  - 3 stereo FX processors with dedicated sends and returns
  - Full I/O routing with A/B sources per channel
  - Assignable oscillator including pink/white noise and sine waves
  - Modern and Vintage options per processor

- **Master Fader control app**
  - Intuitive and easy to master
  - Fast navigation with view groups and overview
  - Access Limiting allows flexible customization of user interface and prevents unwanted adjustments from other users
  - Export presets, shows and complete system backups via Dropbox, email and more using iOS system sharing
  - Complete offline operation
  - Easy and frequent updates via App Store

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1 Dante expansion card sold separately. Wi-Fi router and iPad required. Wi-Fi router, iPad, iPhone and/or iPod touch not included. Return channels and subgroups feature PEQ and compression.

See Supported Devices on page 3 for complete compatibility information.
**DL32R SPECIFICATIONS**

### General Digital
- **Sample Rate:** 48 kHz
- **A/D/A Bit Depth:** 24-bit
- **System Latency:**
  - Analog Input > Main Bus > Analog Output: 1.5 ms
  - 0 dBFS Reference: +22 dBu

### Frequency Response
- All inputs to all outputs: ±0, –1 dB, 20 Hz to 20 kHz

### Distortion (THD)
- Mic input to main output, 1 kHz, –1 dBFS: <0.005%

### Noise / Dynamic Range / Signal-to-Noise Ratio
- **Equivalent Input Noise (EIN):** –128 dBu
- **Crosstalk:**
  - Analog XLR input-input: <–105 dB @ 1 kHz (min. gain)
  - Analog XLR / TRS output-output: <–100 dB @ 1 kHz
  - <–80 dB @ 1 kHz (max. gain)

- **Signal-to-Noise Ratio** (ref +4 dBu, one channel and main fader at unity, A-weighted): 92 dB
- **Output Noise (A-weighted):**
  - Muted Output: –90 dBu
  - Dynamic Range:
    - Analog Input to Analog Output (One channel and main fader at unity, A-weighted): 109 dB
    - Analog Input (Unity gain, to analog clipping, –60 dBFS signal, A-weighted): 111 dB
    - Analog Output (To analog clipping, –60 dBFS signal, A-weighted): 111 dB
  - CMRR: >70 dB @ 1 kHz (60 dB gain)

### Analog Inputs I-32
- **Connectors:**
  - 1-24: XLR Balanced
  - 25-32: Combo XLR / TRS Balanced
- **XLR Mic Pre:** Onyx+
- **Input Impedance:**
  - 1-24: 3 kΩ
  - 25-32: 3 kΩ mic [XLR]
  - 30 kΩ line [1/4”]
- **Max Input Level:**
  - XLR: +21 dBu
  - 1/4”: +30 dBu
- **Gain [digitally controlled analog]:**
  - XLR: 0 to 60 dB [3 dB steps]
  - 1/4”: –20 to 40 dB [3 dB steps]
- **48V Phantom Power (XLR):** 48 VDC, 10 mA max per mic, with up to 16 simultaneously. 5 mA max per mic, with up to 32 simultaneously. Individual digital controller per channel

### Analog Outputs I-12
- **Connectors:** XLR Balanced
- **Output Impedance:** 600 Ω
- **Max Output Level:** +21 dBu

### Analog Monitor Outputs L/R
- **Connectors:** 1/4" TRS Impedance Balanced
- **Output Impedance:**
  - Balanced: 240 Ω Balanced, 120 Ω Unbalanced
  - Max Output Level: +21 dBu

### Analog Headphone Out
- **Connector:** 1/4" TRS Stereo
- **Max Output Level:**
  - +18 dBu into 600 Ω
  - +19.5 dBu max into 100 kΩ

### AES Output
- **Format:** AES3 Professional, 48 kHz, 24-bit stereo
- **Connector:** XLR Balanced
- **Output Impedance:** 110 Ω

### USB – Streaming
- **Connection:** USB 2.0 High Speed (as a device)
- **Connector:** USB-B
- **Supported MS Windows [Driver installation required]:** Windows 7, 8, 10
- **Supported Mac OS [Audio Class 2.0 Compliant, no driver required]:**
  - OS X 10.8.4, 10.9, 10.10, 10.11
- **Audio:** 32 in / 32 out, 48 kHz, 16/24-bit

### USB – HDD Recording / Playback
- **Connection:** USB 2.0 High Speed (as a host)
- **Connector:** USB-A
- **Audio:** 1-24 channel, 48 kHz, 16/24-bit (multichannel .wav)
- **Supported Devices:** USB 2.0 / 3.0 Class Compliant HDD
- **HDD Format:** FAT32
- **Bus Power:** 5V, 1A max

1 Streaming and HDD Record / Playback are not available simultaneously.
32-Channel Wireless Digital Live Sound Mixer with iPad® Control

DL32R SPECIFICATIONS CONTINUED...

Networking

Connection
[Using Basic Network Option Card]: 100 Mb Ethernet
Control: Complete
Simultaneous Control: 20 iOS Devices

Supported Devices

iOS Version Requirement: For optimal performance, we suggest using the latest iOS version [iOS 8.0 minimum]
iPad Version Requirement
Wireless: All iPad models (except the original iPad), Future iPad devices2
iPhone / iPod touch Version Requirement
Wireless: iPhone 4, iPhone 4S, iPhone 5, iPhone 5c, iPhone 5s, iPhone 6, iPhone 6s, iPhone 6 Plus, iPhone 6s Plus, iPod touch (5th generation), Future iPhone and iPod touch devices2
Control Application: Mackie Master Fader App2

DSP

36 input channels with 4-band PEQ + HPF, gate and compression
• 32 stereo-linkable input channels
• 4 stereo-linkable return channels (PEQ and compression only)
28 output busses with 4-band PEQ + HPF/LPF, 31-band GEQ, comp/limiter, alignment delay and RTA
• 14 stereo-linkable aux sends
• 6 stereo-linkable matrix busses
• 6 stereo-linkable subgroups (PEQ and compression only)
• Main L/R busses
6 VCAs and 6 mute groups
3 stereo FX processors (2 reverb, 1 delay) with dedicated sends and returns
Full I/O routing with A/B sources per channel
Assignable oscillator including pink/white noise and sine waves
Modern and Vintage options per processor

Power

Power Requirements: 100 VAC – 240 VAC, 50 – 60 Hz, Universal Supply
Power Consumption: 100 watts max
Line Cord: User-replaceable IEC
Operating Temperature
[extended ambient temperature]: 32 - 104 ºF

Physical Properties (packaged product)

Height: 8.8 in / 224 mm
Width: 21.2 in / 538 mm
Depth: 21.0 in / 533 mm
Weight: 23.0 lb / 10.4 kg

Physical Properties (product)

Height: 5.4 in / 138 mm
Width: 19.0 in / 483 mm
Depth: 17.5 in / 443 mm
Weight: 18.0 lb / 8.2 kg
Rack: 3U Rack Spaces

Ordering Information

DL32R 32-channel Wireless Digital Mixer with Master Fader iPad Control:
~110V US P/N 2042086-00
~230V EU P/N 2042086-01
~230V UK P/N 2042086-03
~240V AU P/N 2042086-04
~230V CN P/N 2042086-05
~120V BZ P/N 2042086-06

2 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.
NOTES:
1. WEIGHT APPROX. 18.0 lb [8.2 kg].
2. SHIPPING WEIGHT APPROX. 23.0 lb [10.4 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL [MM] DIMENSIONS FOR REF ONLY

DL32R DIMENSIONS

WEIGHT APPROX. 18.0 lb [8.2 kg].
SHIPPING WEIGHT APPROX. 23.0 lb [10.4 kg].