ProFXv3 Series Mixers
ProFX6v3 • ProFX10v3 • ProFX12v3
ProFX16v3 • ProFX22v3 • ProFX30v3

Mackie ProFXv3 Series Effects Mixers with USB are the ultimate affordable solution for live sound, home recording, and content creators available in 6, 10, 12, 16, 22, and 30 channels.

Now with our renowned Onyx™ mic preamps that offer 60 dB of headroom, everything from gain hungry mics to guitars will sound better than ever. And you can keep it all in check with easy single-knob compression.

The new GigFX™ effects engine offers 24 built-in FX for even more options for adding the finishing touch.

Record your tracks in 24-Bit/192kHz quality with 2x4 USB I/O with zero-latency hardware monitoring for easy overdubs. Both ProTools® | First and Waveform™ OEM recording software/plugin packages are included.

APPLICATIONS:

Live sound mixing, houses of worship, clubs, gymnasiums, banquet halls, conference rooms, boardrooms, studio and field recording, video post-production, multimedia applications, broadcast, and many, many more.

FEATURES:

■ Mix / Record / Create
  • We’ve taken our most popular mixer series and given it major upgrades that will take your sound quality to the next level
  • Perfect for live sound, home recording, content creation, and live streaming
  • With models available in 6, 10, 12, 16, 22, and 30 channels, you can get the perfect mixer for your application or go big and be ready when the need comes

■ Renowned Onyx Mic Preamps
  • With up to 60 dB of gain and ultra-low noise, ProFXv3 mixers allow you to sound better than ever
  • Perfect for microphones popular with content creators that require high-gain preamps

■ High-Resolution GigFX™ Effects Engine
  • With 24 different FX options, from reverb to delays, adding some drama to your sound is easy easy... easy..... easy... easy (Delay, get it?)

■ 24-Bit / 192kHz 2x4 USB Recording Interface
  • Lay down your tracks in incredible 24-Bit / 192kHz quality for the cleanest recordings possible
  • 2x4 USB I/O allows you to create two custom mixes on your computer to send back into your ProFXv3 mixer, great for situations when you need to monitor specific tracks during playback in addition to the full mix

■ Effortless Latency-Free Monitoring
  • With a single knob, you can blend between monitoring your computer’s output and a direct feed from the mixer
  • Great for recording overdubs alongside a pre-recorded track

■ Single-Knob Compression *
  • Keep your input levels in check and get maximum channel headroom with the quick turn of a knob
  • Great for giving vocals the finishing touch in live, recording, and even streaming applications

■ Record and Produce Like a Pro
  • ProTools® | First and Waveform™ OEM professional software and plugin packages included
  • The Musician Collection for ProTools | First includes 23 plugins like BBD Delay, Eleven Lite, 304 EQ, and 304C Compressor
  • The DAW Essentials™ Bundle for Waveform™ OEM includes 16 powerful plugins like Equaliser, Compressor, Reverber8, and Limiter

■ Signature Rugged Design
  • Legendary Built-Like-A-Tank™ design
  • Solid steel chassis protects your investment
  • Tough ABS side protection

■ Accessories
  • Protective dust cover (sold separately) *
  • Protective bag (sold separately) **

* Not available for ProFX6v3
** Not available for ProFX30v3
PROFXV3 SPECIFICATIONS

Noise Characteristics

Equivalent Input Noise (EIN)
(150 Ω Source Impedance, 20 Hz to 20 kHz)

Mic in to Insert Send out, max gain  
–126 dBu\(^1\)  
–128 dBu\(^2\)

Residual Output Noise
All outputs, master levels off, all channel levels off  
–95 dBu
All outputs, master levels unity, one channel level unity  
–80 dBu\(^1\)  
–85 dBu\(^2\)

Frequency Response

Mic input to any output (gain at unity, +0 dB / –1 dB)  
20 Hz to 30 kHz

Distortion
(22 Hz to 80 kHz bandwidth)

Mic in to Main Out (+4 dB output)  
<0.03%\(^1\)  
<0.01%\(^2\)

Attenuation and Crosstalk

Adjacent Inputs @1 kHz  
–90 dB
Inputs to Outputs @1 kHz  
–80 dB
Fader Off @1 kHz  
–75 dB
Mute Switch / Break Switch Mute @ 1 kHz  
–90 dB\(^1\)  
–100 dB\(^2\)

Common Mode Rejection Ratio (CMRR)

Mic in to Main out, max gain, 1 kHz  
70 dB

Maximum Levels

All inputs  
+22 dBu
Main Mix XLR  
+28 dBu
All other outputs  
+22 dBu

Impedances

Mic in  
3.3 kΩ
Channel Insert Return  
10 kΩ
All other inputs  
≥20 kΩ
Phones out  
25 Ω
All other outputs  
120 Ω Unbalanced,  
240 Ω Balanced

1 ProFX6v3, ProFX10v3, ProFX12v3
2 ProFX16v3, ProFX22v3, ProFX30v3

Equalization

ProFX6v3

Low  
±15 dB @ 80 Hz
High  
±15 dB @ 12 kHz
Low Cut Filter  
18 dB/octave @ 100 Hz

ProFX10v3 • ProFX12v3

Low  
±15 dB @ 80 Hz
Mid  
±15 dB @ 2.5 kHz
High  
±15 dB @ 12 kHz
Low Cut Filter  
18 dB/octave @ 100 Hz

ProFX16v3 • ProFX22v3 • ProFX30v3

All Channels (except 1/8” stereo channel)

Low  
±15 dB @ 80 Hz
Mid  
±15 dB  
100 Hz – 8 kHz
High  
±15 dB @ 12 kHz
Low Cut Filter  
18 dB/octave @ 100 Hz

1/8” Stereo Channel

Low  
±15 dB @ 80 Hz
Mid  
±15 dB @ 2.5 kHz
High  
±15 dB @ 12 kHz

Maximum Voltage Gain (EQ Flat)

Mic Input Channel to
Insert Output  
60 dB
1/4” Main Output  
80 dB
XLR Main Output  
86 dB
1/4” Sub Output  
80 dB
Aux Output (Pre-Fader)  
80 dB
Aux Output (Post-Fader)  
90 dB
FX Send  
90 dB
FX Send [ProFX10v3]  
80 dB
USB Output  
70 dB

Mono Line Input Channel to
Insert Output  
40 dB
1/4” Main Output  
60 dB
XLR Main Output  
66 dB
1/4” Sub Output  
60 dB
Aux Output (Pre-Fader)  
60 dB
Aux Output (Post-Fader)  
70 dB
FX Send  
70 dB
FX Send [ProFX10v3]  
60 dB
USB Output  
50 dB

Stereo Line Input Channel to
1/4” Main Output  
20 dB
XLR Main Output  
26 dB
1/4” Sub Output  
20 dB
Aux Output (Pre-Fader)  
20 dB
Aux Output (Post-Fader)  
30 dB
FX Send  
30 dB
FX Send [ProFX10v3]  
20 dB
USB Output  
10 dB
**PROFXV3 SPECIFICATIONS CONTINUED...**

<table>
<thead>
<tr>
<th>1/8&quot; Input to</th>
<th>1/4&quot; Main Output</th>
<th>40 dB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; Sub Output</td>
<td>XLR Main Output</td>
<td>46 dB</td>
</tr>
<tr>
<td>Aux Output (Pre-Fader)</td>
<td>Aux Output (Post-Fader)</td>
<td>40 dB</td>
</tr>
<tr>
<td>FX Send</td>
<td>FX Send [ProFX10v3]</td>
<td>40 dB</td>
</tr>
<tr>
<td>USB Output</td>
<td>USB Input to XLR Main Output</td>
<td>30 dB</td>
</tr>
</tbody>
</table>

**Digital Effects**

Number of Presets 24

**Meters**

**Main L/R Mix**

ProFX6v3 – Two columns of 8 segments each:
OL, +14, −8, +4, O (0 dBu), −4, −12, −24

All other ProFXv3 mixers – Two columns of 12 segments each:
OL, +15, +10, +6, +3, O (0 dBu), −2, −4, −7, −10, −20, −30

**USB**

<table>
<thead>
<tr>
<th>Format</th>
<th>USB 2.0</th>
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</thead>
<tbody>
<tr>
<td>I/O</td>
<td>1 Stereo Input, 2 Stereo Outputs</td>
</tr>
<tr>
<td>A/D/A</td>
<td>24 bit, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz</td>
</tr>
</tbody>
</table>

**Phantom Power**

48 VDC to all Mic channels simultaneously

**AC Power Requirements**

<table>
<thead>
<tr>
<th>Power Consumption</th>
<th>30 watts (ProFX12v3)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40 watts (ProFX16v3)</td>
</tr>
<tr>
<td></td>
<td>45 watts (ProFX22v3)</td>
</tr>
<tr>
<td></td>
<td>50 watts (ProFX30v3)</td>
</tr>
</tbody>
</table>

Universal AC Power Supply 100 – 240 VAC, 50 – 60 Hz

**Power Connector**

ProFX6v3, ProFX10v3 12VDC @ 2A Class I Hard-Wired Wall Mount Adapter

ProFX12v3, ProFX16v3, ProFX22v3, ProFX30v3 3-Pin IEC Line Cord

**Physical Properties (product)**

<table>
<thead>
<tr>
<th>ProFX6v3:</th>
<th>Height: 2.8 in / 71 mm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Width: 7.5 in / 191 mm</td>
</tr>
<tr>
<td></td>
<td>Depth: 8.4 in / 213 mm</td>
</tr>
<tr>
<td></td>
<td>Weight: 2.6 lb / 1.2 kg</td>
</tr>
</tbody>
</table>

| ProFX10v3: | Height: 3.2 in / 81 mm |
|           | Width: 10.7 in / 272 mm |
|           | Depth: 11.9 in / 302 mm |
|           | Weight: 4.9 lb / 2.2 kg |

| ProFX12v3: | Height: 3.9 in / 99 mm |
|           | Width: 13.0 in / 330 mm |
|           | Depth: 14.8 in / 376 mm |
|           | Weight: 7.9 lb / 3.6 kg |

| ProFX16v3: | Height: 4.3 in / 109 mm |
|           | Width: 17.7 in / 450 mm |
|           | Depth: 17.1 in / 434 mm |
|           | Weight: 15.2 lb / 6.9 kg |

| ProFX22v3: | Height: 4.3 in / 109 mm |
|           | Width: 24.1 in / 612 mm |
|           | Depth: 17.1 in / 434 mm |
|           | Weight: 19.8 lb / 9.0 kg |

| ProFX30v3: | Height: 4.3 in / 109 mm |
|           | Width: 32.3 in / 820 mm |
|           | Depth: 17.1 in / 434 mm |
|           | Weight: 26.5 lb / 12.0 kg |
### PROFXv3 Specifications Continued...

#### Physical Properties (packaged product)

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProFX6v3</td>
<td>4.3 in / 109 mm</td>
<td>12.2 in / 310 mm</td>
<td>9.5 in / 241 mm</td>
<td>4.0 lb / 0.5 kg</td>
</tr>
<tr>
<td>ProFX10v3</td>
<td>4.3 in / 109 mm</td>
<td>12.9 in / 328 mm</td>
<td>15.0 in / 381 mm</td>
<td>6.4 lb / 2.9 kg</td>
</tr>
<tr>
<td>ProFX12v3</td>
<td>5.7 in / 145 mm</td>
<td>15.6 in / 396 mm</td>
<td>18.2 in / 462 mm</td>
<td>11.2 lb / 5.1 kg</td>
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<tr>
<td>ProFX16v3</td>
<td>8.2 in / 208 mm</td>
<td>20.4 in / 518 mm</td>
<td>21.8 in / 549 mm</td>
<td>20.1 lb / 9.1 kg</td>
</tr>
<tr>
<td>ProFX22v3</td>
<td>8.5 in / 216 mm</td>
<td>28.0 in / 711 mm</td>
<td>21.8 in / 554 mm</td>
<td>24.9 lb / 11.3 kg</td>
</tr>
<tr>
<td>ProFX30v3</td>
<td>8.7 in / 221 mm</td>
<td>37.8 in / 960 mm</td>
<td>21.9 in / 556 mm</td>
<td>32.2 lb / 14.6 kg</td>
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</tbody>
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#### Options

- **ProFX6v3 Carry Bag** P/N 2051719
- **ProFX10v3 Carry Bag** P/N 2051720
- **ProFX10v3 Dust Cover** P/N 2051726
- **ProFX12v3 Carry Bag** P/N 2051721
- **ProFX12v3 Dust Cover** P/N 2051727
- **ProFX12v3 Rack Ear Kit** P/N 2051623
- **ProFX16v3 Carry Bag** P/N 2051722
- **ProFX16v3 Dust Cover** P/N 2051728
- **ProFX16v3 Rack Ear Kit** P/N 2051634
- **ProFX22v3 Carry Bag** P/N 2051723
- **ProFX22v3 Dust Cover** P/N 2051729
- **ProFX30v3 Dust Cover** P/N 2051730

#### Ordering Information

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<tbody>
<tr>
<td>ProFX6v3 6 Channel Professional Effects Mixer with USB</td>
<td>ProFX6v3 10 Channel Professional Effects Mixer with USB</td>
<td>ProFX6v3 12 Channel Professional Effects Mixer with USB</td>
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<td>P/N 2051741-00 (US)</td>
<td>P/N 2051743-00 (US)</td>
<td>P/N 2051300-01 (EU)</td>
<td>P/N 2051300-01 (EU)</td>
<td>P/N 2051300-02 (JP)</td>
<td>P/N 2051300-02 (JP)</td>
<td>P/N 2051300-03 (UK)</td>
<td>P/N 2051300-03 (UK)</td>
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PROFXV3 SPECIFICATIONS CONTINUED...

ProFX16v3 16 Channel 4-Bus Professional Effects Mixer with USB

<table>
<thead>
<tr>
<th>Model</th>
<th>US P/N</th>
<th>EU P/N</th>
<th>UK P/N</th>
<th>CN P/N</th>
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<tbody>
<tr>
<td>ProFX16v3</td>
<td>2051744-00</td>
<td>2051302-01</td>
<td>2051302-03</td>
<td>2051302-05</td>
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ProFX22v3 22 Channel 4-Bus Professional Effects Mixer with USB

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<tr>
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<th>EU P/N</th>
<th>UK P/N</th>
<th>CN P/N</th>
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<tbody>
<tr>
<td>ProFX22v3</td>
<td>2051745-00</td>
<td>2051303-01</td>
<td>2051303-03</td>
<td>2051303-05</td>
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ProFX30v3 30 Channel 4-Bus Professional Effects Mixer with USB

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<th>EU P/N</th>
<th>UK P/N</th>
<th>CN P/N</th>
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<tr>
<td>ProFX30v3</td>
<td>2051746-00</td>
<td>2051304-01</td>
<td>2051304-03</td>
<td>2051304-05</td>
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</table>
PROFX6V3 DIMENSIONS

WEIGHT
2.6 lb
1.2 kg

PROFX10V3 DIMENSIONS

WEIGHT
4.9 lb
2.2 kg
PROFX12V3 DIMENSIONS

WEIGHT
7.9 lb
3.6 kg

PROFX16V3 DIMENSIONS

WEIGHT
15.2 lb
6.9 kg
PROFX22V3 DIMENSIONS

WEIGHT
19.8 lb
9.0 kg

PROFESSIONAL EFFECTS MIXERS WITH USB
PROFX6V3 BLOCK DIAGRAM