

## PROFX3 SPECIFICATIONS

### Noise Characteristics

<b>Equivalent Input Noise (EIN)</b> (150 Ω Source Impedance, 20 Hz to 20 kHz)	
Mic in to Insert Send out, max gain	-126 dBu <sup>1</sup> -128 dBu <sup>2</sup>
<b>Residual Output Noise</b>	
All outputs, master levels off, all channel levels off	-95 dBu
All outputs, master levels unity, one channel level unity	-80 dBu <sup>1</sup> -85 dBu <sup>2</sup>

### Frequency Response

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

### Distortion

<b>(22 Hz to 80 kHz bandwidth)</b>	
Mic in to Main Out (+4 dBu output)	<0.03% <sup>1</sup> <0.01% <sup>2</sup>

### 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 <sup>1</sup> -100 dB <sup>2</sup>

### Common Mode Rejection Ratio (CMRR)

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

### Equalization

<b>ProFX6v3</b>	
Low	±15 dB @ 80 Hz
High	±15 dB @ 12 kHz
Low Cut Filter	18 dB/octave @ 100 Hz
<b>ProFX10v3 • ProFX12v3</b>	
Low	±15 dB @ 80 Hz
Mid	±15 dB @ 2.5 kHz
High	±15 dB @ 12 kHz
Low Cut Filter	18 dB/octave @ 100 Hz
<b>ProFX16v3 • ProFX22v3 • ProFX30v3</b>	
<b>All Channels (except 1/8" stereo channel)</b>	
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
<b>1/8" Stereo Channel</b>	
Low	±15 dB @ 80 Hz
Mid	±15 dB @ 2.5 kHz
High	±15 dB @ 12 kHz

### Maximum Voltage Gain (EQ Flat)

<b>Mic Input Channel to</b>	
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
<b>Mono Line Input Channel to</b>	
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
<b>Stereo Line Input Channel to</b>	
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

<sup>1</sup> ProFX6v3, ProFX10v3, ProFX12v3

<sup>2</sup> ProFX16v3, ProFX22v3, ProFX30v3

## PROFX3 SPECIFICATIONS CONTINUED...

1/8" Input to	
1/4" Main Output	40 dB
XLR Main Output	46 dB
1/4" Sub Output	40 dB
Aux Output (Pre-Fader)	40 dB
Aux Output (Post-Fader)	50 dB
FX Send	50 dB
FX Send [ProFX10v3]	40 dB
USB Output	30 dB
USB Input to	
XLR Main Output	46 dB

### Digital Effects

Number of Presets	24
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### Meters

Main L/R Mix	
ProFX6v3 – Two columns of 8 segments each:	
OL, +14, +8, +4, 0 (0 dBu), -4, -12, -24	
All other ProFXv3 mixers – Two columns of 12 segments each:	
OL, +15, +10, +6, +3, 0 (0 dBu), -2, -4, -7, -10, -20, -30	

### USB

Format	USB 2.0
I/O	1 Stereo Input, 2 Stereo Outputs
A/D/A	24 bit, 44.1 kHz, 48 kHz, 96 kHz, 192 kHz

### Phantom Power

48 VDC to all Mic channels simultaneously	
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### AC Power Requirements

Power Consumption	30 watts (ProFX12v3) 40 watts (ProFX16v3) 45 watts (ProFX22v3) 50 watts (ProFX30v3)
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)

<b>ProFX6v3:</b>	
Height:	2.9 in / 74 mm
Width:	7.5 in / 191 mm
Depth:	8.4 in / 213 mm
Weight:	2.6 lb / 1.2 kg

<b>ProFX10v3:</b>	
Height:	3.3 in / 84 mm
Width:	10.7 in / 272 mm
Depth:	11.9 in / 302 mm
Weight:	4.9 lb / 2.2 kg

<b>ProFX12v3:</b>	
Height:	4.0 in / 102 mm
Width:	13.0 in / 330 mm
Depth:	14.8 in / 376 mm
Weight:	7.9 lb / 3.6 kg

<b>ProFX16v3:</b>	
Height:	4.4 in / 112 mm
Width:	17.7 in / 450 mm
Depth:	17.1 in / 434 mm
Weight:	15.2 lb / 6.9 kg

<b>ProFX22v3:</b>	
Height:	4.4 in / 112 mm
Width:	24.1 in / 612 mm
Depth:	17.1 in / 434 mm
Weight:	19.8 lb / 9.0 kg

<b>ProFX30v3:</b>	
Height:	4.4 in / 112 mm
Width:	32.3 in / 820 mm
Depth:	17.1 in / 434 mm
Weight:	26.5 lb / 12.0 kg

## PROFX3 SPECIFICATIONS CONTINUED...

### Physical Properties (packaged product)

**ProFX6v3:**

Height:	4.3 in / 109 mm
Width:	12.2 in / 310 mm
Depth:	9.5 in / 241 mm
Weight:	4.0 lb / 0.5 kg

**ProFX10v3:**

Height:	4.3 in / 109 mm
Width:	12.9 in / 328 mm
Depth:	15.0 in / 381 mm
Weight:	6.4 lb / 2.9 kg

**ProFX12v3:**

Height:	5.7 in / 145 mm
Width:	15.6 in / 396 mm
Depth:	18.2 in / 462 mm
Weight:	11.2 lb / 5.1 kg

**ProFX16v3:**

Height:	8.2 in / 208 mm
Width:	20.4 in / 518 mm
Depth:	21.6 in / 549 mm
Weight:	20.1 lb / 9.1 kg

**ProFX22v3:**

Height:	8.5 in / 216 mm
Width:	28.0 in / 711 mm
Depth:	21.8 in / 554 mm
Weight:	24.9 lb / 11.3 kg

**ProFX30v3:**

Height:	8.7 in / 221 mm
Width:	37.8 in / 960 mm
Depth:	21.9 in / 556 mm
Weight:	32.2 lb / 14.6 kg

### 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

**ProFX6v3 6 Channel Professional Effects Mixer with USB**

	P/N 2051741-00 (US)
	P/N 2051299-01 (EU)
	P/N 2051299-02 (JP)
	P/N 2051299-03 (UK)
	P/N 2051299-04 (AU)
	P/N 2051299-05 (CN)
	P/N 2051299-07 (AR)
	P/N 2051299-08 (KR)

**ProFX10v3 10 Channel Professional Effects Mixer with USB**

	P/N 2051742-00 (US)
	P/N 2051300-01 (EU)
	P/N 2051300-02 (JP)
	P/N 2051300-03 (UK)
	P/N 2051300-04 (AU)
	P/N 2051300-05 (CN)
	P/N 2051300-07 (AR)
	P/N 2051300-08 (KR)

**ProFX12v3 12 Channel Professional Effects Mixer with USB**

	P/N 2051743-00 (US)
	P/N 2051301-01 (EU)
	P/N 2051301-03 (UK)
	P/N 2051301-05 (CN)



**PROFXV3 SPECIFICATIONS CONTINUED...**

**ProFX16v3 16 Channel 4-Bus Professional Effects Mixer with USB**

P/N 2051744-00 (US)
P/N 2051302-01 (EU)
P/N 2051302-03 (UK)
P/N 2051302-05 (CN)

**ProFX22v3 22 Channel 4-Bus Professional Effects Mixer with USB**

P/N 2051745-00 (US)
P/N 2051303-01 (EU)
P/N 2051303-03 (UK)
P/N 2051303-05 (CN)

**ProFX30v3 30 Channel 4-Bus Professional Effects Mixer with USB**

P/N 2051746-00 (US)
P/N 2051304-01 (EU)
P/N 2051304-03 (UK)
P/N 2051304-05 (CN)