

Appendix C: Technical Information

Specifications

Distortion (THD + N)

(1 kHz, 30 kHz bandwidth)	
Mic mono:	<0.003% <0.003%
Line mono:	<0.005%
Line stereo	<0.003% at main out

Main mix output noise

(1 kHz, 30 kHz bandwidth)	
Main mix level down, all channel levels down:	-95 dBu
Main mix level 0 dB, all channel levels down:	-89 dBu
Main mix level 0 dB, all channel levels 0 dB:	-84 dBu

Frequency Response

(+0 dB/-3 dB)	
Mic mono input:	< 10 Hz-100 kHz
Line mono inputs:	< 10 Hz-32 kHz
Line stereo inputs:	< 10 Hz-80 kHz

Equivalent Input Noise (EIN)

Mic input (20 Hz - 20 kHz)	
150 ohm termination:	-128 dBu

Gain

Mic mono input:	0 dB to +50 dB
Line mono inputs:	-20 dB to +30 dB
Line stereo inputs:	-20 dB to +20 dB

Maximum Levels

Mic mono input:	+21 dBu minimum gain
Line mono inputs:	+21 dBu
Line stereo inputs:	+21 dBu
Preamp main and monitor outputs:	+21 dBu

Impedances

Mic mono input:	3.6 kilohms balanced
Line mono input:	20 kilohms balanced
Line mono input, Ch 7, 8 Hi-Z:	500 kilohms unbalanced
Line stereo inputs:	20 kilohms balanced
Main and monitor outputs:	240 ohms balanced 120 ohms unbalanced

Channel EQ

High Shelving (all channels)	±15 dB @ 12 kHz
Mid Mono Channels:	
Mid Peaking, sweepable	±15 dB
Mid sweep range:	100 Hz to 8 kHz
Mid Stereo Channels:	
Hi Mid Peaking:	±15 dB @ 2.5 kHz
Lo Mid Peaking:	±15 dB @ 400 kHz
Low Shelving (all channels)	±15 dB @ 80 Hz

Phantom Power

+48 VDC, globally switchable to all Mic inputs

9-Band Graphic EQ

Main and Monitor 1:	±15 dB @ 63, 125, 250, 500, 1k, 2k, 4k, 8k and 16 kHz
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Connections

Mic input:	XLR balanced
Line mono input:	1/4" TRS balanced
Line stereo input:	1/4" TRS balanced
Main outputs:	1/4" TRS balanced
Monitor outputs:	1/4" TRS balanced
Inserts:	1/4" TRS unbalanced
Loudspeaker outputs:	1/4" TS and Neutrik Speakon

Loudspeaker outputs

(Both channels loaded and driven at 1 kHz.)

Peak output power @ 4 ohms:	2 x 800 watts peak
Average output power @ 4 ohms:	2 x 400 Wrms, 1% THD 2 x 500 Wrms, 3% THD
Average output power @ 8 ohms:	2 x 250 Wrms, 1% THD 2 x 300 Wrms, 3% THD
Recommended load impedance:	4 - 8 ohms per side

Running Man Effects

Type:	Two 32-bit internal processors, mono in, stereo out
Effects presets:	24 Mackie-designed presets

Power Consumption

100-120 VAC, 50/60 Hz:	250 watts
220-240 VAC, 50/60 Hz:	250 watts

Dimensions (H x W x D)

19.2" x 17.4" x 5.2"
(487 mm x 442 x 133)

Weight

29 lb (13.2 kg)

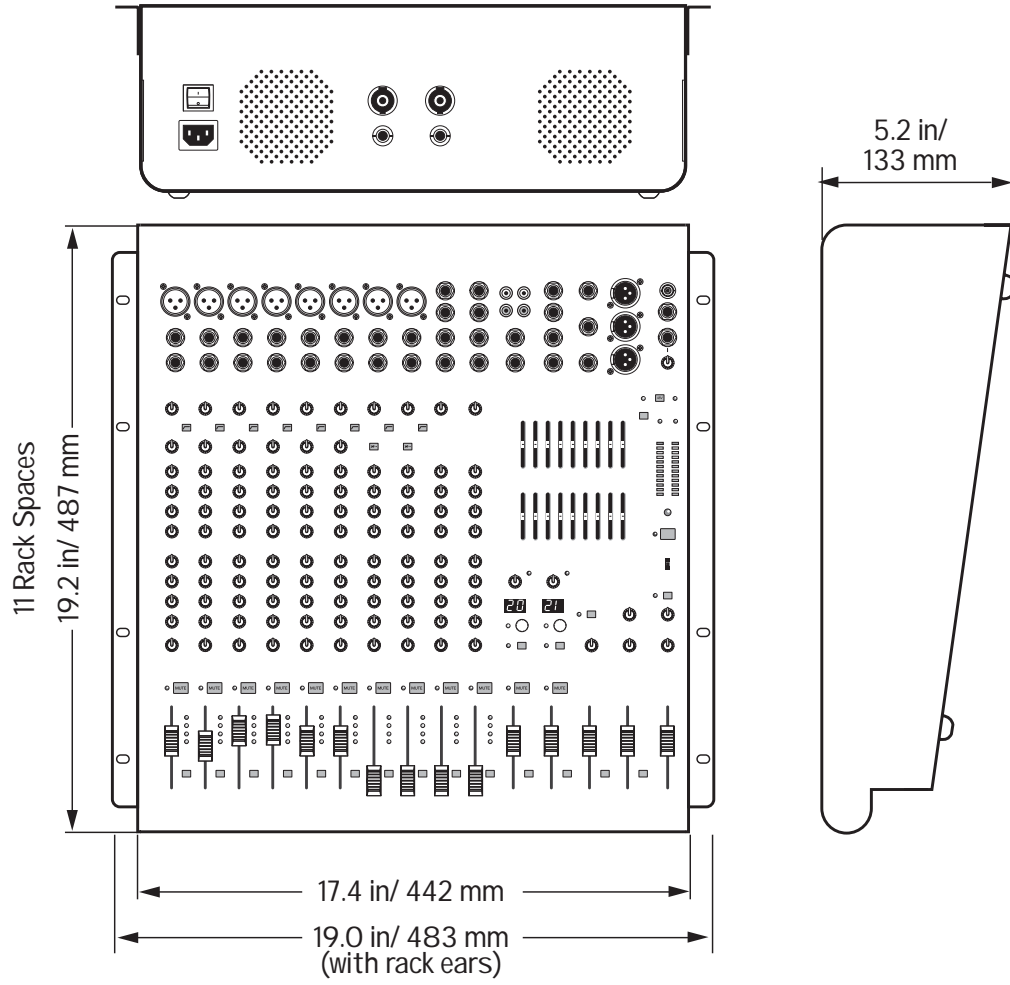
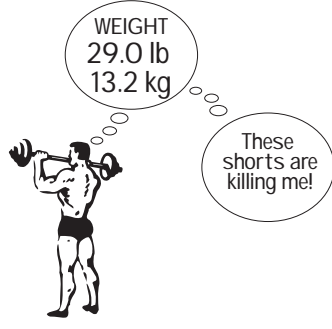
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The technical writer responsible for this manual tends to fade in and out of various different realities, depending on how many cups of tea he has had. Please check our website for any updates to this manual: www.mackie.com.

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Dimensions



 **Correct disposal of this product.** This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.