

## Mix5 • Mix8 • Mix12FX

Mix Series Compact Mixers are reliably rugged, with the proven quality you expect from the world leader in compact mixer design.

With proven high-headroom, low-noise design preamps, Mix Series mixers sound great and maintain audio quality from any source. Plus, with their rugged metal chassis and high-quality components throughout, they are a solid investment in reliability.

An amazing value, Mix delivers a straightforward feature set that's easy to use and the sound quality you need in rugged designs built to last.

### Features:

- 5, 8 and 12-channel compact mixers with proven high-headroom, low-noise performance
- Mic/line inputs with studio-level audio quality
  - Multi-band EQ with clean, precise tone shaping
  - Pan, level and overload indication
  - Phantom power for studio condenser mics
  - Low cut filter (75 Hz) [Mix12FX]
- Multiple stereo 1/4" line inputs
  - +4/-10 dB and balance operation [Mix12FX]
- One aux send with stereo 1/4" returns [Mix8]
- 12 great-sounding integrated effects including reverbs, choruses and delays [Mix12FX]
- Dedicated stereo RCA inputs/outputs for playback or recording
- Main L/R outputs
- Headphone output
- Stereo control room outputs [Mix8 / Mix12FX]
- Rugged, reliable design built to last
- Extremely compact and portable

### Applications:

Live sound mixing, rehearsal spaces, gymnasiums, banquet halls, conference rooms, boardrooms, studio and field recording, multimedia applications and many, many more.



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## Mix Series Specifications:

### Noise Characteristics

(20 Hz – 20 kHz bandwidth, 150 Ω source impedance, EIN)	
All outputs, master levels and channel levels off	-100 dBu
All outputs, master levels unity, all channel levels off	-90 dBu
All outputs, master levels unity, 1 channel level unity	-85 dBu

### Distortion (THD+N)

(20 Hz – 30 kHz bandwidth)	
Mic Input to Main Output	<0.25% @+4 dBu output

### Attenuation / Crosstalk

(20 Hz–20 kHz bandwidth)	
Inputs to Outputs @ 1 kHz	-85 dB
Main Mix Off @ 1 kHz	-75 dB

### Frequency Response

Mic input to any output (gain @ unity)	+0, -1 dB, 20 Hz to 30 kHz
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### Equivalent Input Noise (EIN)

(Mic in to Insert Send out, max gain.)	
150 Ω termination	-125 dBu [Mix5, Mix8] -122 dBu [Mix12FX]

### Common Mode Rejection Ratio (CMRR)

(Mic in to Insert Send out, max gain.)	
1 kHz	better than -70 dB

### Maximum Levels

Mic inputs (XLR)	+19 dBu
Aux return in	+16 dBu [Mix8]
All other inputs	+21 dBu
All outputs	+21 dBu

### Impedances

Mic in	2 kΩ [Mix5] 3.8 kΩ [Mix8, Mix12FX]
All other inputs	10 kΩ or greater
Tape out	1 kΩ
Phones out	22 Ω
All other outputs	120 Ω unbalanced, 240 Ω balanced

### EQ

High Shelving	±15 dB @ 12 kHz
Mid Peaking	±15 dB @ 2.5 kHz
Low Shelving	±15 dB @ 80 Hz
Low Cut Filter	18 dB/octave, -3 dB @ 80 Hz

### AC Power Requirements

Power Connection	2-pin DC connector [US] 3-pin DC connector [EU]
Input	120 VAC, 60 Hz [US] 230 VAC, 50/60 Hz [EU]
Output	18 VAC, 600mA [Mix5, Mix8] 18 VAC, 1000mA [Mix12FX]
Operating Temperature	0° – 40°C 32° – 104°F

### Physical Properties (product)

<b>Mix5</b>	
Height	1.7 in / 43 mm
Width	5.5 in / 140 mm
Depth	7.7 in / 196 mm
Weight	1.4 lb / 0.6 kg

<b>Mix8</b>	
Height	2.1 in / 53 mm
Width	7.8 in / 198 mm
Depth	9.6 in / 244 mm
Weight	2.5 lb / 1.1 kg

<b>Mix12FX</b>	
Height	2.1 in / 53 mm
Width	11.7 in / 297 mm
Depth	9.6 in / 244 mm
Weight	3.7 lb / 1.7 kg

## Mix Series Specifications Continued:

### Physical Properties (packaged product)

Mix5		
Height		3.3 in / 84 mm
Width		6.5 in / 165 mm
Depth		11.3 in / 287 mm
Weight		2.0 lb / 0.9 kg

Mix8		
Height		3.3 in / 84 mm
Width		9.1 in / 231 mm
Depth		13.3 in / 338 mm
Weight		3.0 lb / 1.4 kg

Mix12FX		
Height		3.2 in / 81 mm
Width		13.0 in / 330 mm
Depth		14.6 in / 371 mm
Weight		5.0 lb / 2.3 kg

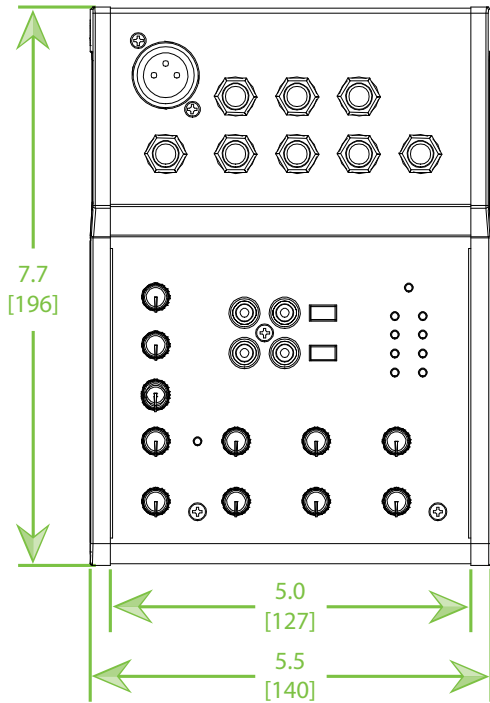
### Ordering Information

Mix5		
Mix5 5-Channel Compact Mixer, US		P/N 2044094-00
Mix5 5-Channel Compact Mixer, EU		P/N 2044094-01
Mix5 5-Channel Compact Mixer, JP		P/N 2044094-02
Mix5 5-Channel Compact Mixer, UK		P/N 2044094-03
Mix5 5-Channel Compact Mixer, AU		P/N 2044094-04
Mix5 5-Channel Compact Mixer, CN		P/N 2044094-05
Mix5 5-Channel Compact Mixer, BZ		P/N 2044094-06

Mix8		
Mix8 8-Channel Compact Mixer, US		P/N 2044095-00
Mix8 8-Channel Compact Mixer, EU		P/N 2044095-01
Mix8 8-Channel Compact Mixer, JP		P/N 2044095-02
Mix8 8-Channel Compact Mixer, UK		P/N 2044095-03
Mix8 8-Channel Compact Mixer, AU		P/N 2044095-04
Mix8 8-Channel Compact Mixer, CN		P/N 2044095-05
Mix8 8-Channel Compact Mixer, BZ		P/N 2044095-06

Mix12FX		
Mix12FX 12-Channel Compact Mixer w/FX, US		P/N 2044096-00
Mix12FX 12-Channel Compact Mixer w/FX, EU		P/N 2044096-01
Mix12FX 12-Channel Compact Mixer w/FX, JP		P/N 2044096-02
Mix12FX 12-Channel Compact Mixer w/FX, UK		P/N 2044096-03
Mix12FX 12-Channel Compact Mixer w/FX, AU		P/N 2044096-04
Mix12FX 12-Channel Compact Mixer w/FX, CN		P/N 2044096-05
Mix12FX 12-Channel Compact Mixer w/FX, BZ		P/N 2044096-06

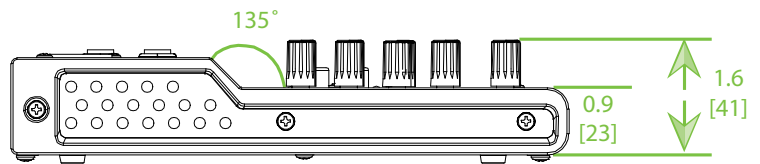
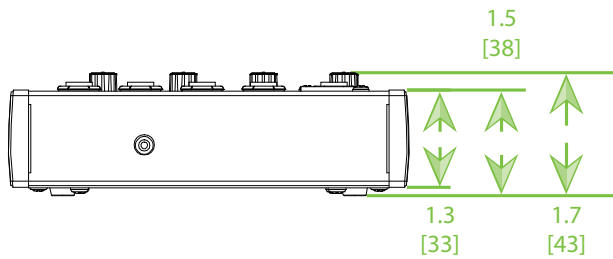
## Mix5 Dimensions



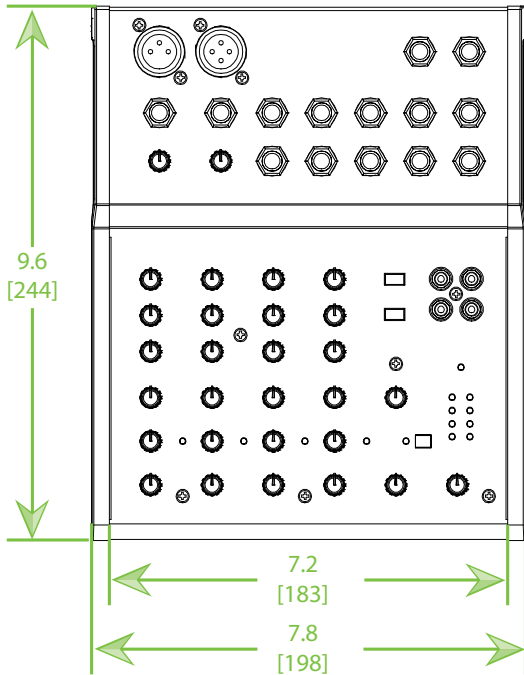
### NOTES:

1. WEIGHT APPROX. 1.4 lb [0.6 kg]
2. SHIPPING WEIGHT APPROX. 2.0 lb [0.9 kg]

<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL [MM] DIMENSIONS FOR REF ONLY</p> <p>TOLERANCE IN INCHES LINEAR <math>\pm 0.13</math> in / <math>\pm 3.3</math> mm ANGLES <math>\pm 1^\circ</math></p> <p>(X.XX) = REF DIMS NO TOLERANCE IMPLIED</p> <p>TSC = THEORETICAL SHARP CORNER</p> <p>DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL</p>
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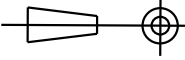


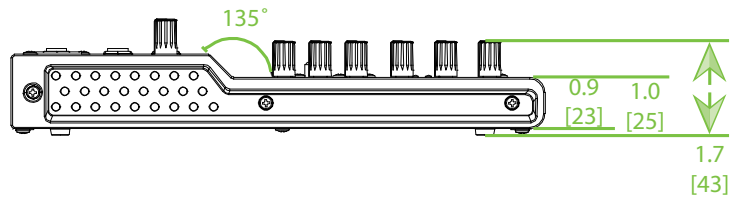
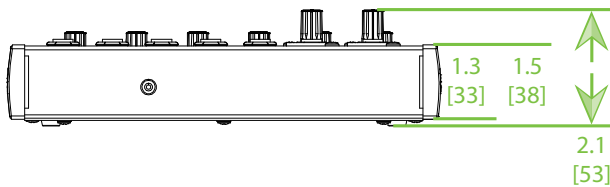
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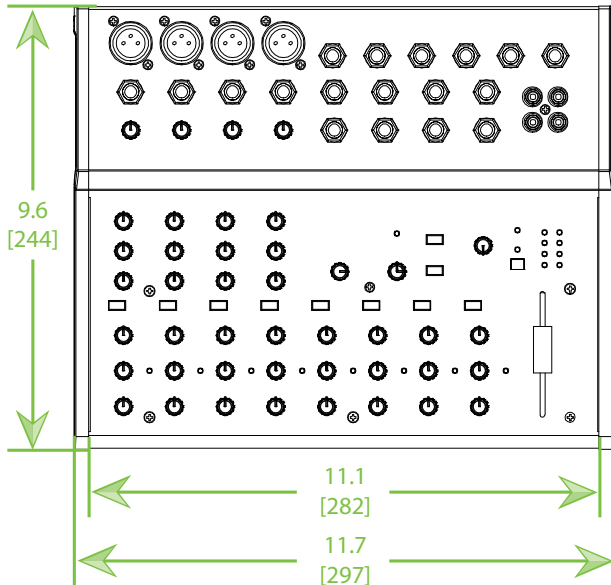


#### NOTES:

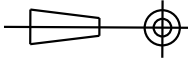
1. WEIGHT APPROX. 2.5 lb [1.1 kg]
2. SHIPPING WEIGHT APPROX. 3.0 lb [1.4 kg]

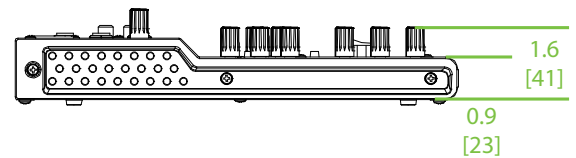
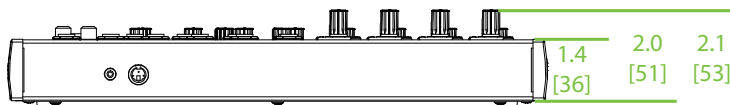
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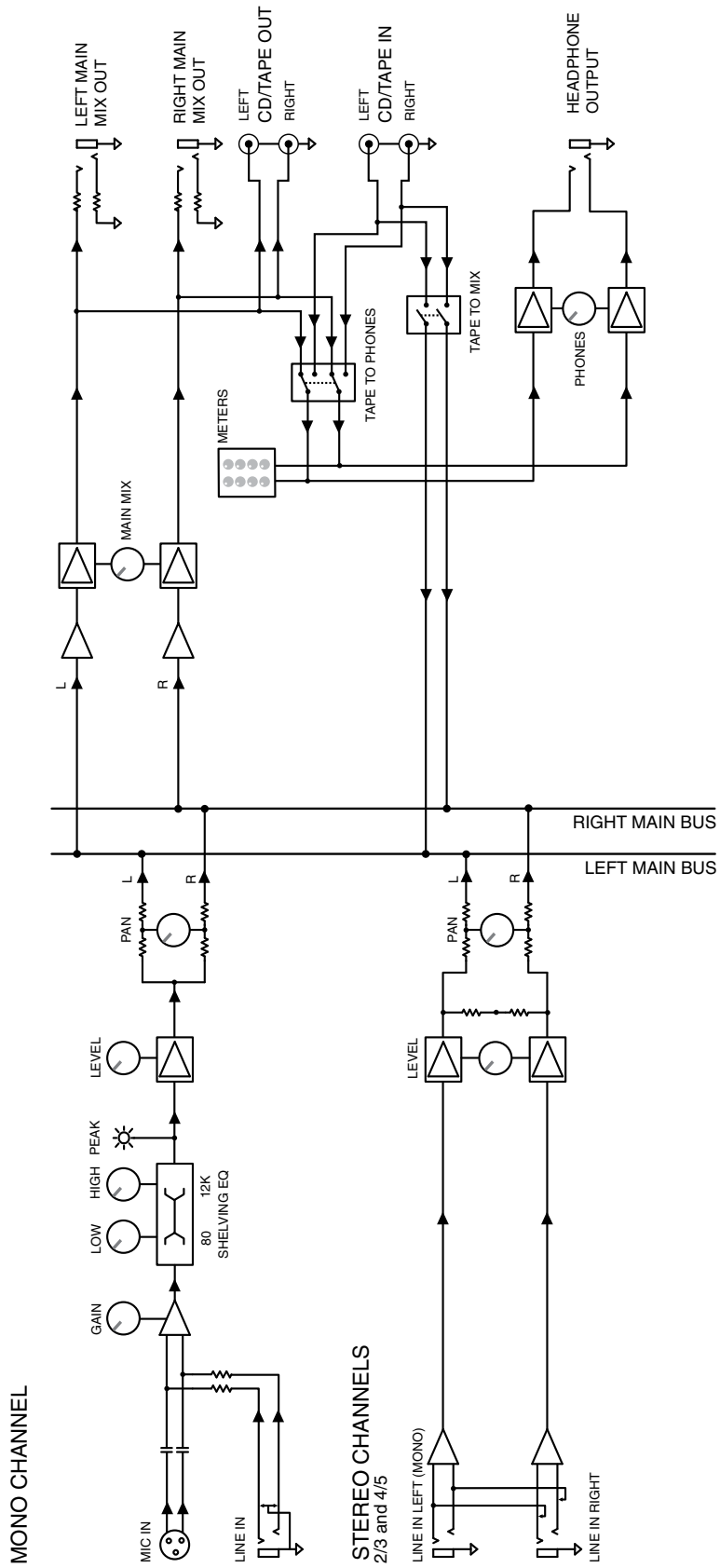


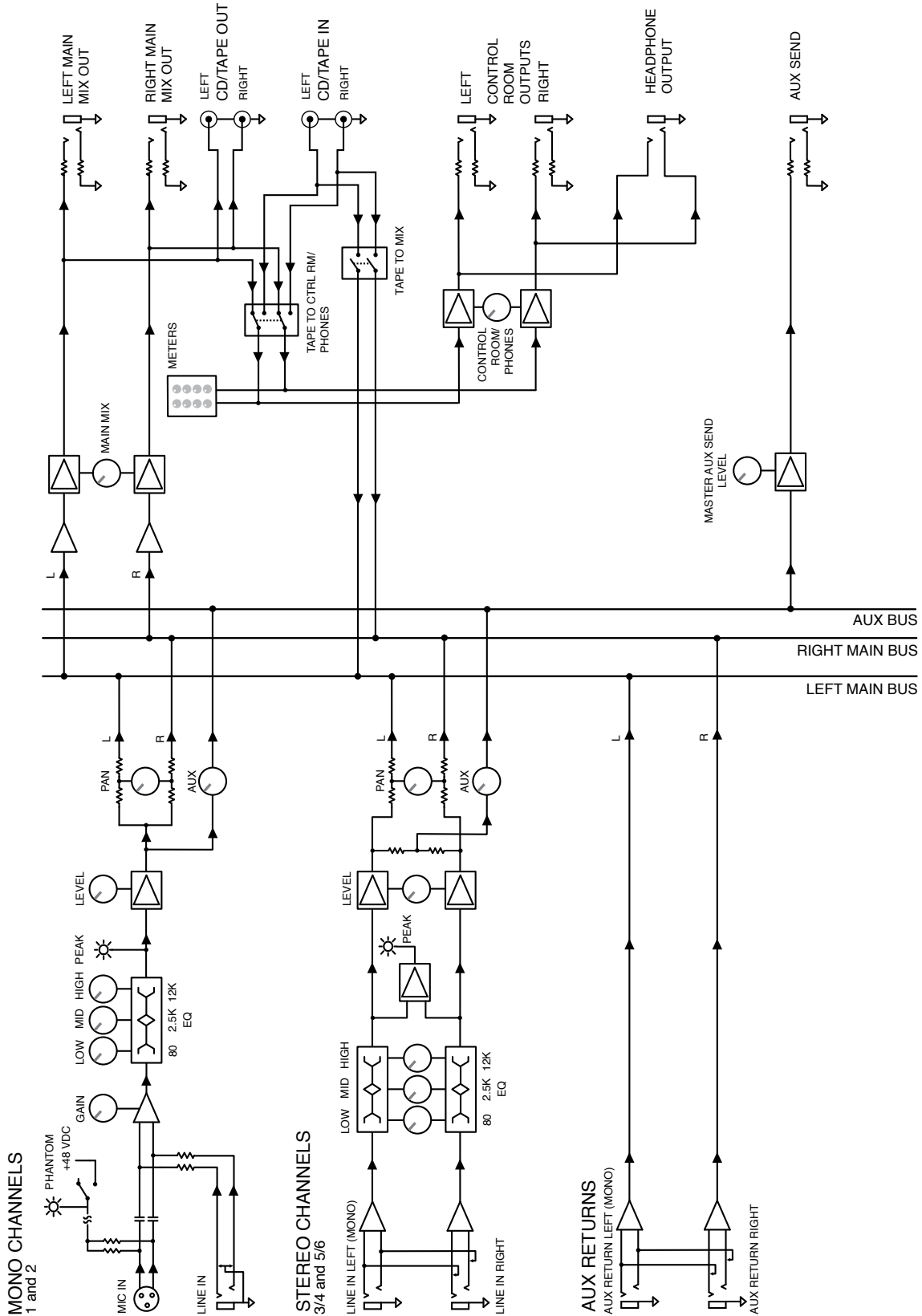
**Mix12FX Dimensions**

**NOTES:**

1. WEIGHT APPROX. 3.7 lb [1.7 kg]
2. SHIPPING WEIGHT APPROX. 5.0 lb [2.3 kg]

<p>THIRD ANGLE PROJECTION</p> 	<p>UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL [MM] DIMENSIONS FOR REF ONLY</p> <p>TOLERANCE IN INCHES LINEAR <math>\pm 0.13</math> in / <math>\pm 3.3</math> mm ANGLES <math>\pm 1^\circ</math></p>
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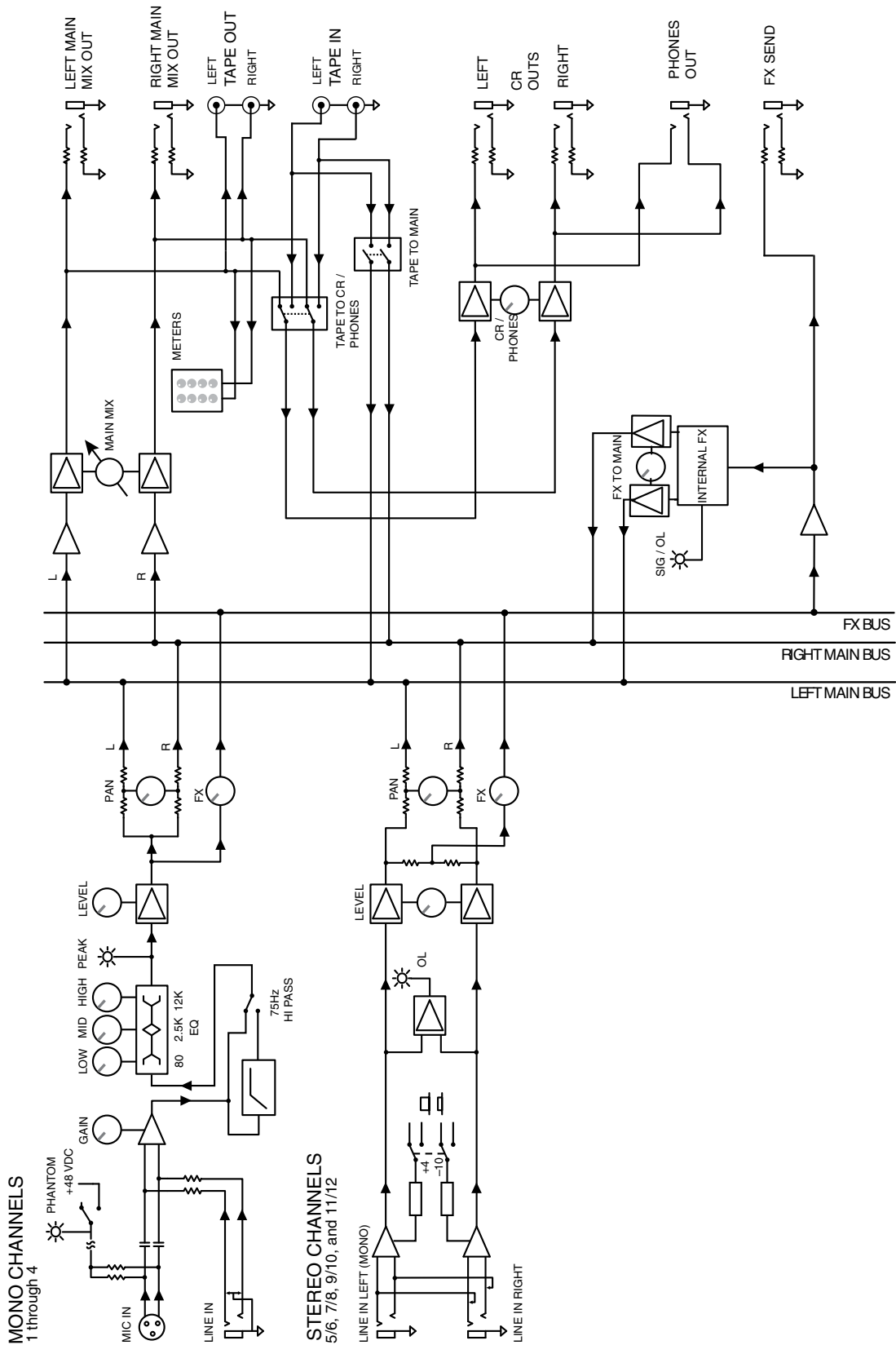


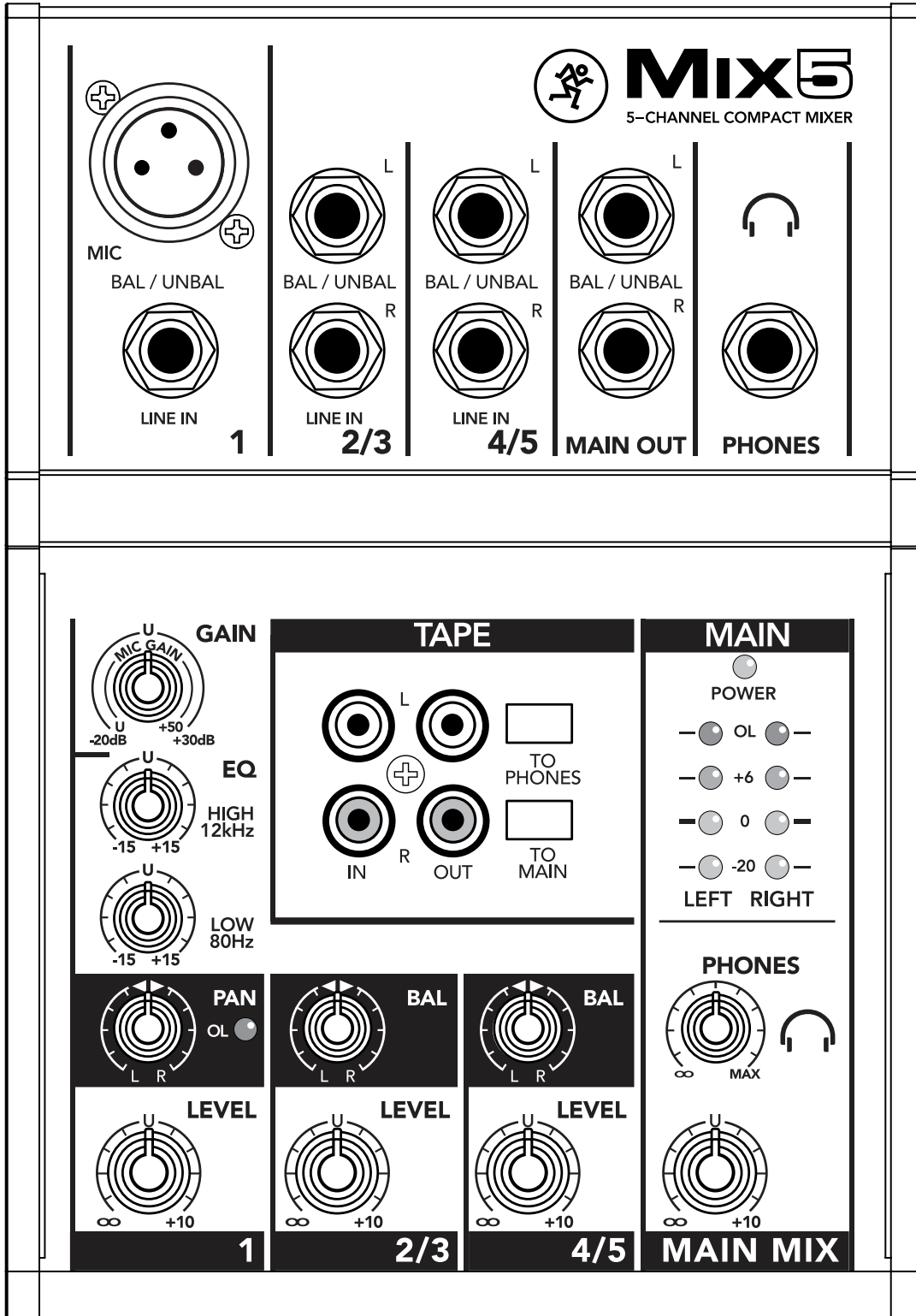
**Mix5 Block Diagram**


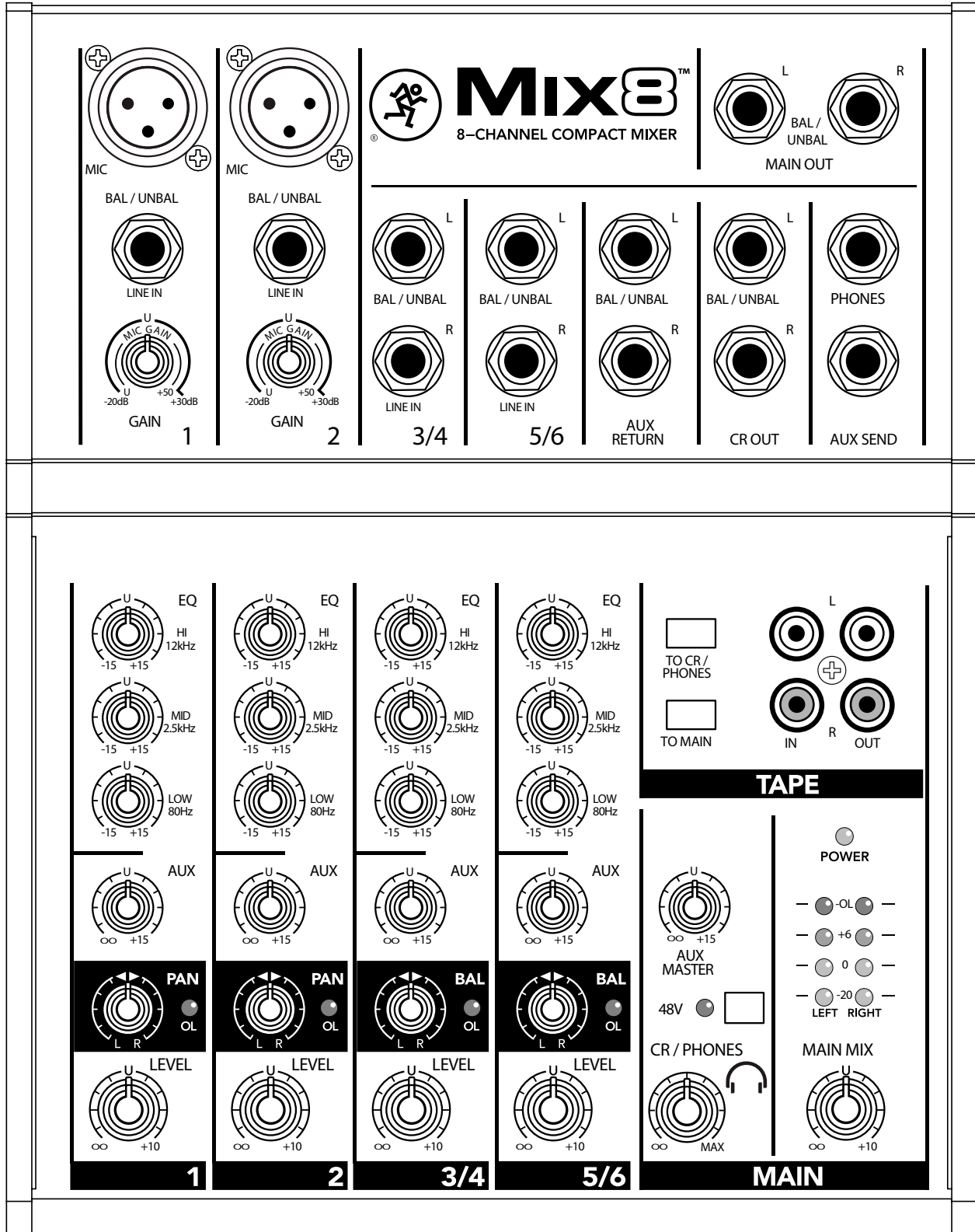
**Mix8 Block Diagram**




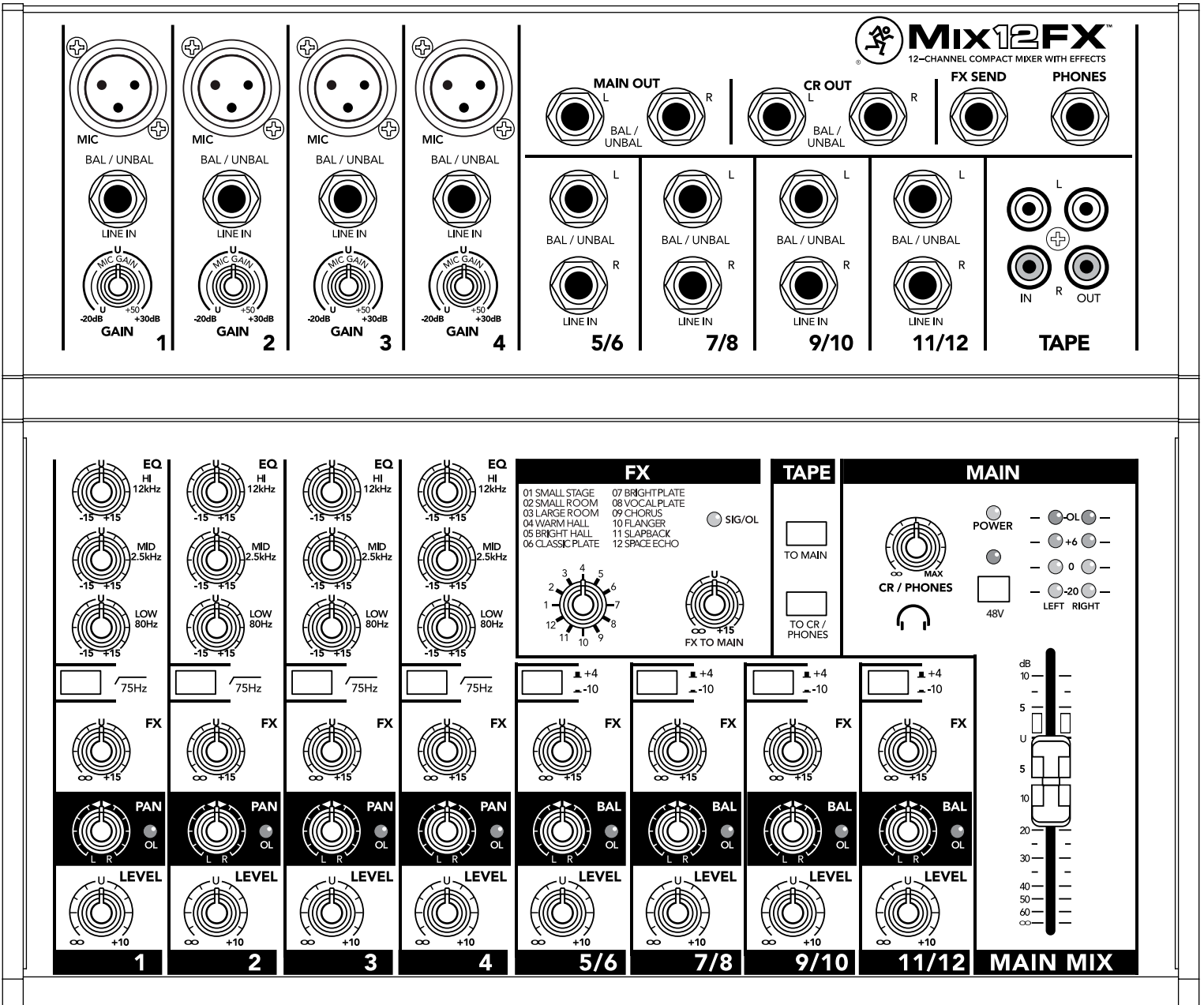
## Mix12FX Block Diagram



**Mix5 Front Panel**


**Mix8 Front Panel**


## Mix12FX Front Panel



LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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Electronic files for this product are available at:  
[www.mackie.com](http://www.mackie.com)

Specification Sheet

Mix\_Series\_SS.PDF

Owner's Manual

Mix\_Series\_OM.PDF



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