

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)	
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)

(1 kHz, 20 Hz – 20 kHz bandwidth)	
Mic Input to Main Output	<0.01% @+4 dBu output

Attenuation and Crosstalk

(20 Hz–20 kHz bandwidth)	
Inputs to Outputs @ 1 kHz	–85 dB
Main Mix Off @ 1 kHz	–80 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)	+18 dBu [Mix5] +19 dBu [Mix8, Mix12FX]
Aux return in	+16 dBu [Mix8]
All other inputs	+21 dBu
All outputs	+21 dBu

Impedances

Mic in	2 k Ω [Mix5] 3.8 k Ω [Mix8, Mix12FX]
All other inputs	10 k Ω or greater
Tape out	1 k Ω
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 @ 75 Hz

AC Power Requirements

Mix5/8 Input	AC120V~, 60 Hz [US] AC230-240V~, 50/60 Hz [EU] AC220-230V~, 50/60 Hz [UK] AC220-240V~, 50/60 Hz [AU] AC220V~, 50 Hz [CN] AC127V~, 60 Hz [BZ]
Mix12FX Input	AC120V~, 60 Hz [US] AC230-240V~, 50/60 Hz [EU] AC220-230V~, 50/60 Hz [UK] AC220-240V~, 50/60 Hz [AU] AC220V~, 50 Hz [CN] AC127V~, 60 Hz [BZ]
Mix5/8 Output	AC18V~ 600mA [US] (AC9V~ 300mA)x2 [EU] (AC9V~ 300mA)x2 [UK] (AC9V~ 300mA)x2 [AU] AC18V~ 600mA [CN] AC18V~ 600mA [BZ]
Mix12FX Output	AC18V~ 1000mA [US] (AC9V~ 500mA)x2 [EU] (AC9V~ 500mA)x2 [UK] (AC9V~ 500mA)x2 [AU] (AC9V~ 500mA)x2 [CN] AC18V~ 1000mA [BZ]
Operating Temperature	0° – 40°C 32° – 104°F

Mix Series Specifications Continued:

Physical Properties (product)

Mix5	
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

Mix8	
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

Mix12FX	
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

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

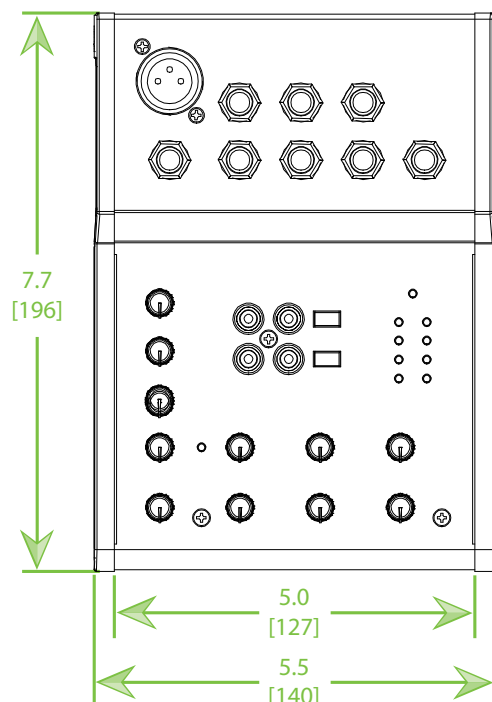
Ordering Information

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

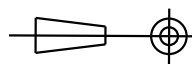


NOTES:

1. WEIGHT APPROX. 1.4 lb [0.6 kg]

2. SHIPPING WEIGHT APPROX. 2.0 lb [0.9 kg]

THIRD ANGLE PROJECTION



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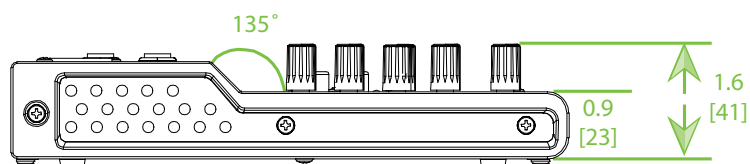
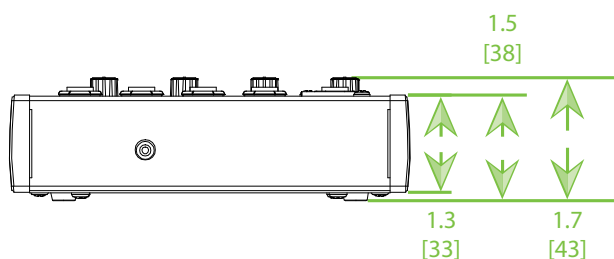
UNLESS OTHERWISE SPECIFIED:
 ALL DIMENSIONS ARE IN INCHES
 DUAL [MM] DIMENSIONS
 FOR REF ONLY

TOLERANCE IN INCHES
 LINEAR ± 0.13 in / ± 3.3 mm
 ANGLES $\pm 1^\circ$

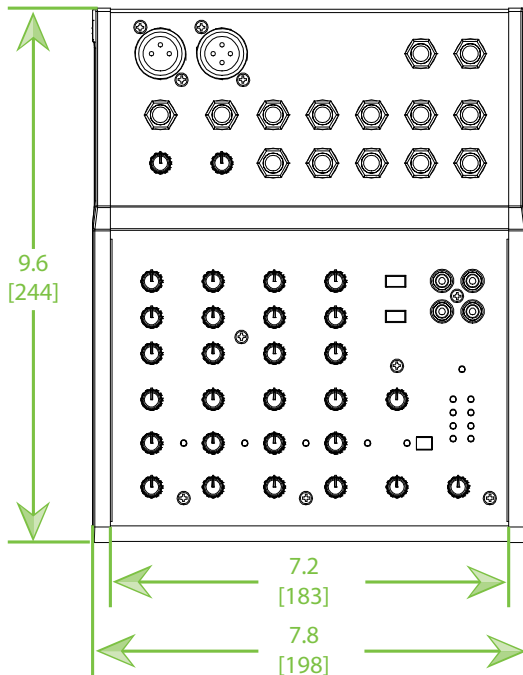
(X.XX) = REF DIMS
 NO TOLERANCE IMPLIED

TSC = THEORETICAL SHARP CORNER

DIMENSIONS ACROSS CENTERLINES
 TO BE SYMMETRICAL

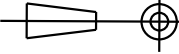


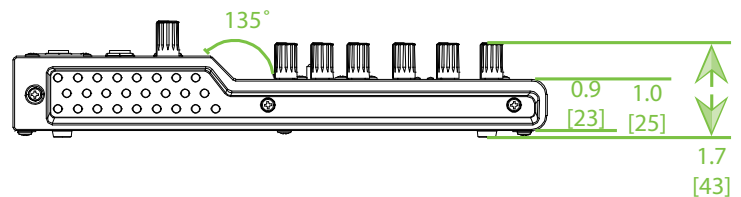
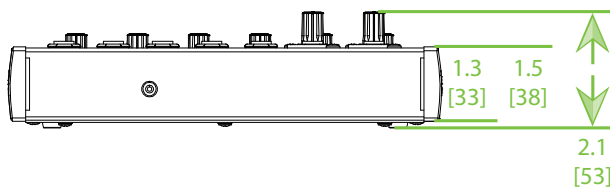
Mix8 Dimensions



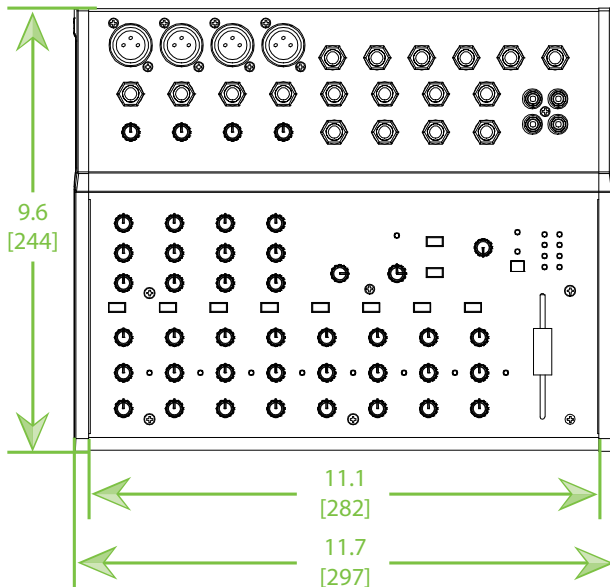
NOTES:

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

THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL [MM] DIMENSIONS FOR REF ONLY TOLERANCE IN INCHES LINEAR ± 0.13 in / ± 3.3 mm ANGLES $\pm 1^\circ$ (X.XX) = REF DIMS NO TOLERANCE IMPLIED TSC = THEORETICAL SHARP CORNER DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL
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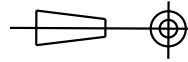
Mix12FX Dimensions



NOTES:

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

THIRD ANGLE PROJECTION



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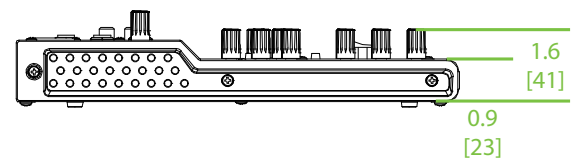
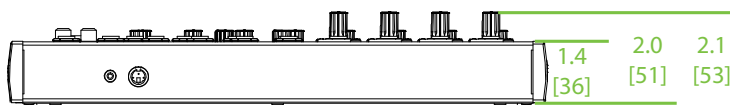
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 LINEAR ± 0.13 in / ± 3.3 mm
 ANGLES $\pm 1^\circ$

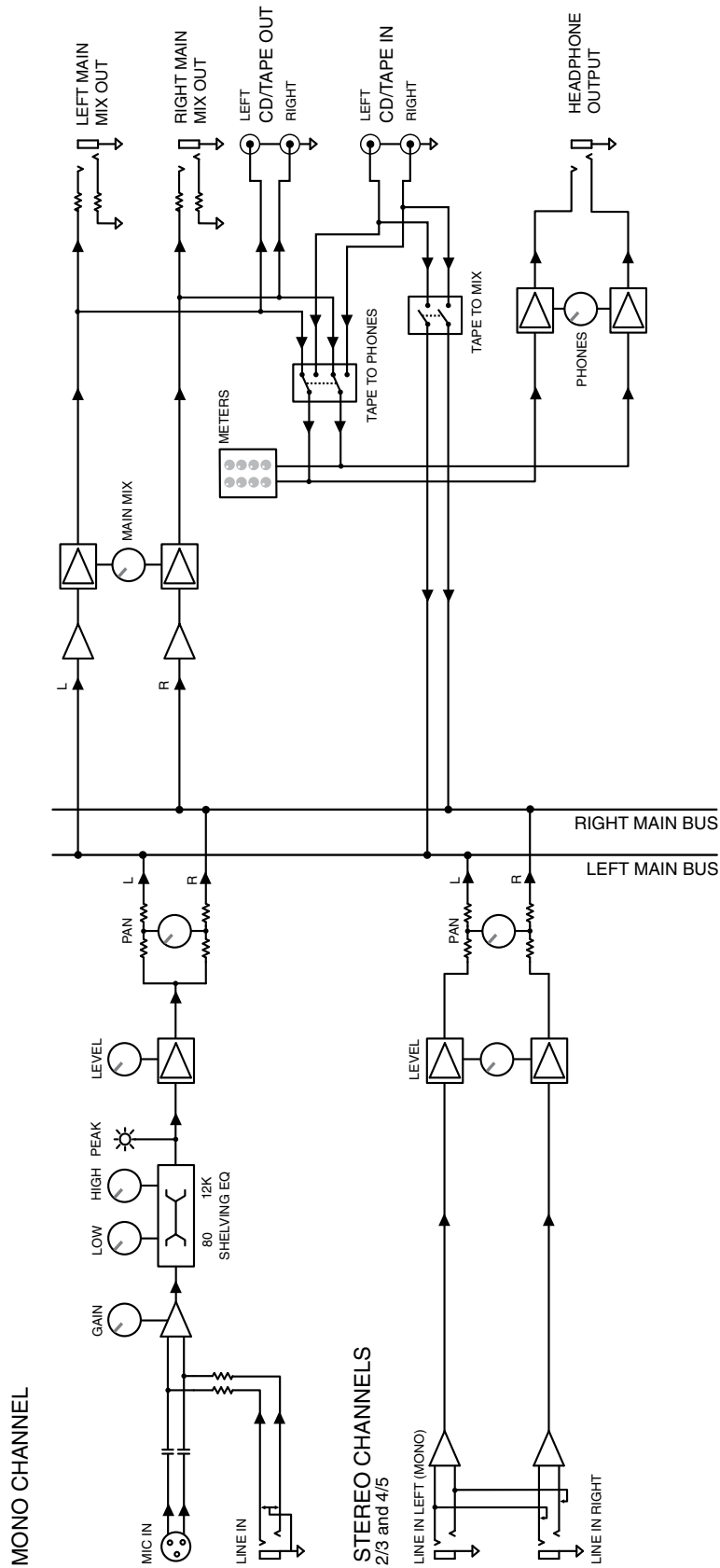
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TSC = THEORETICAL SHARP CORNER

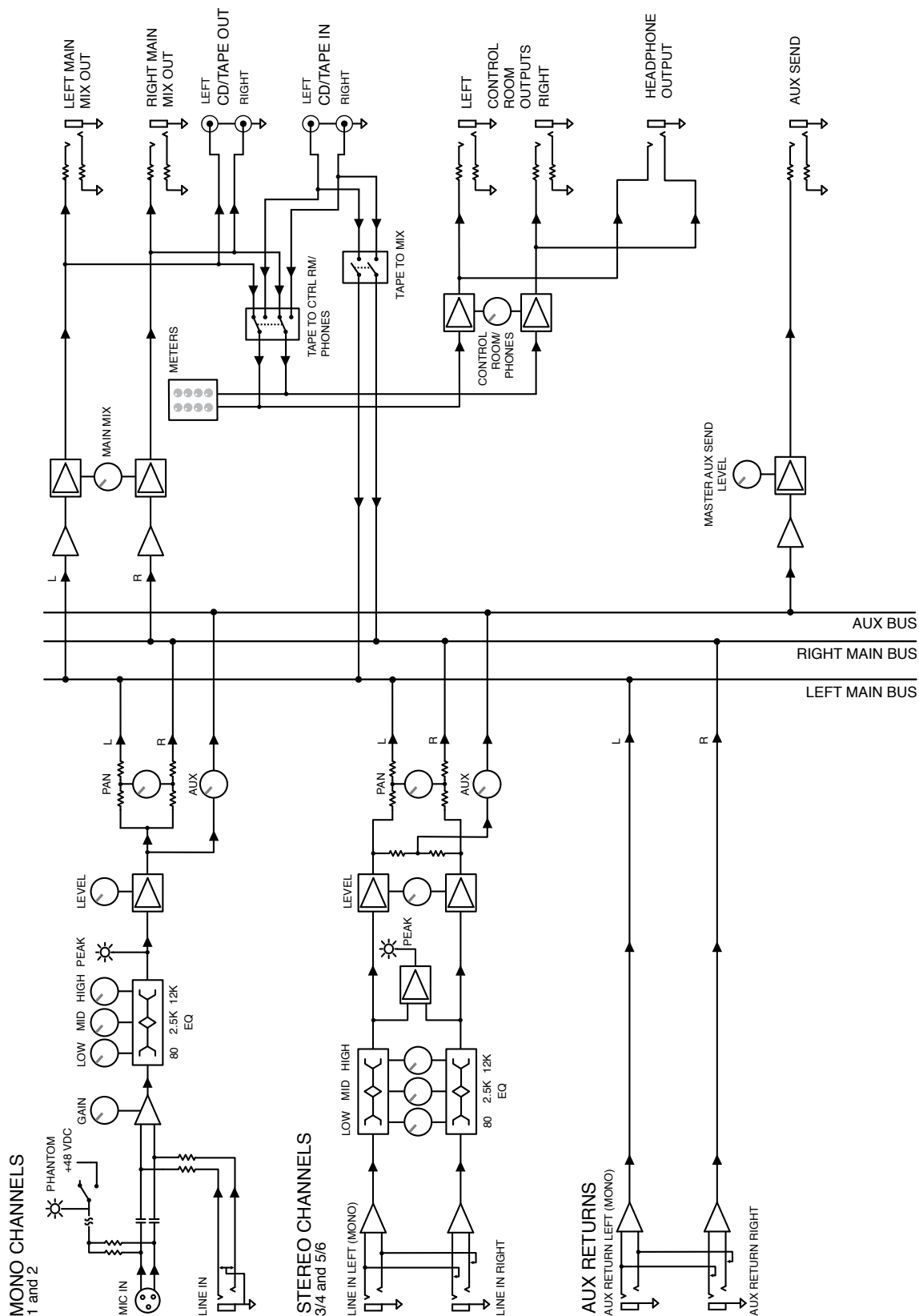
DIMENSIONS ACROSS CENTERLINES
 TO BE SYMMETRICAL



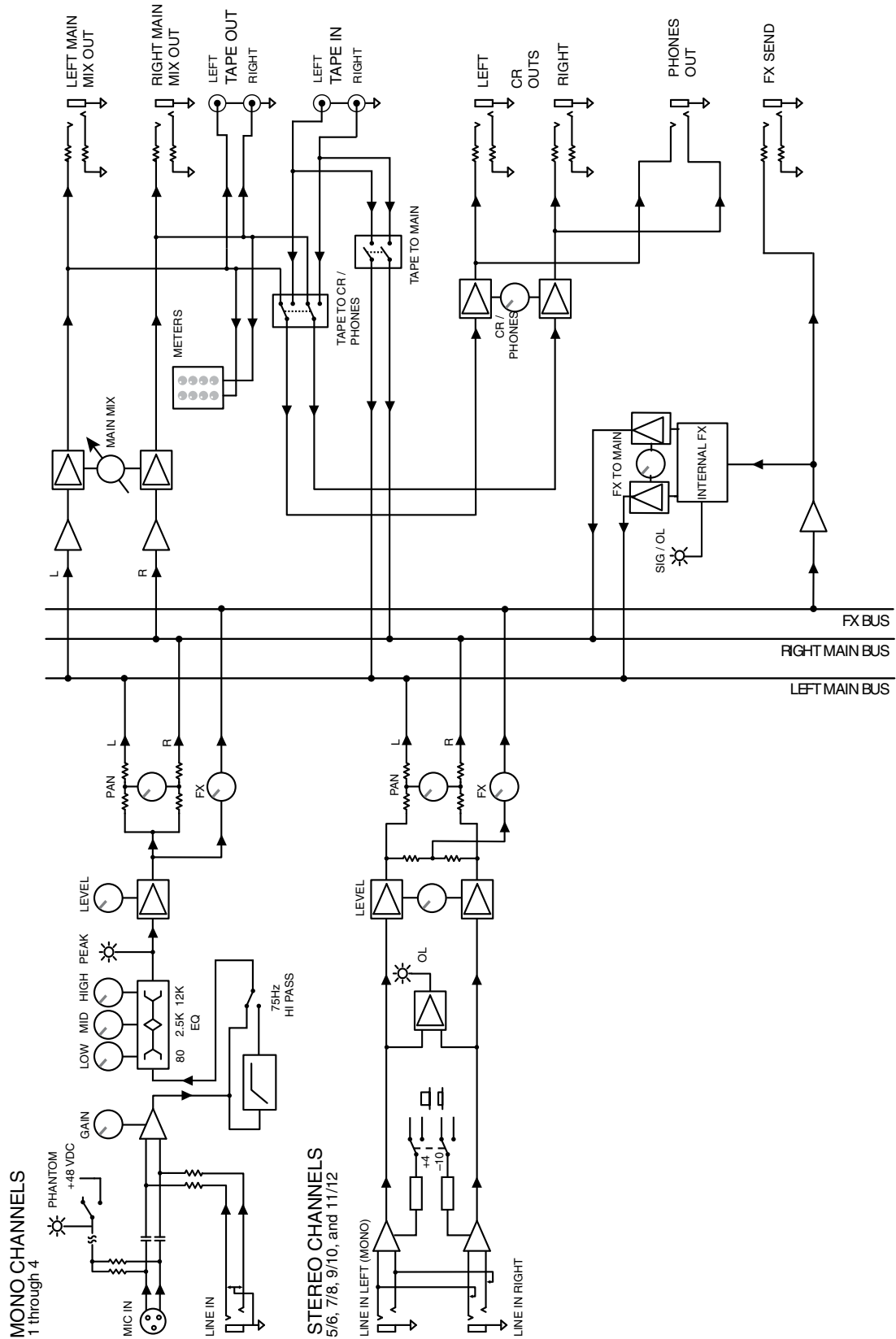
Mix5 Block Diagram



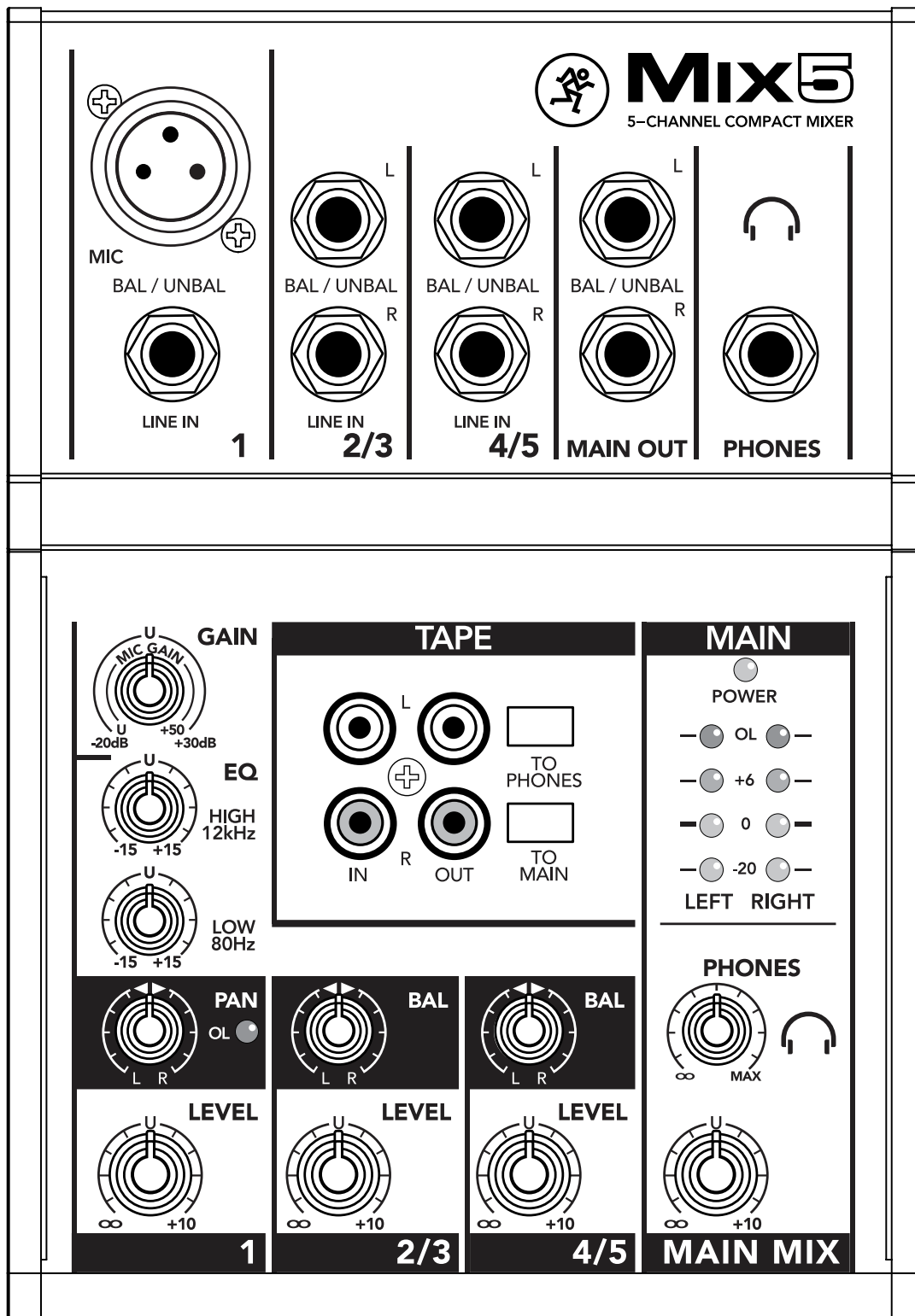
Mix8 Block Diagram



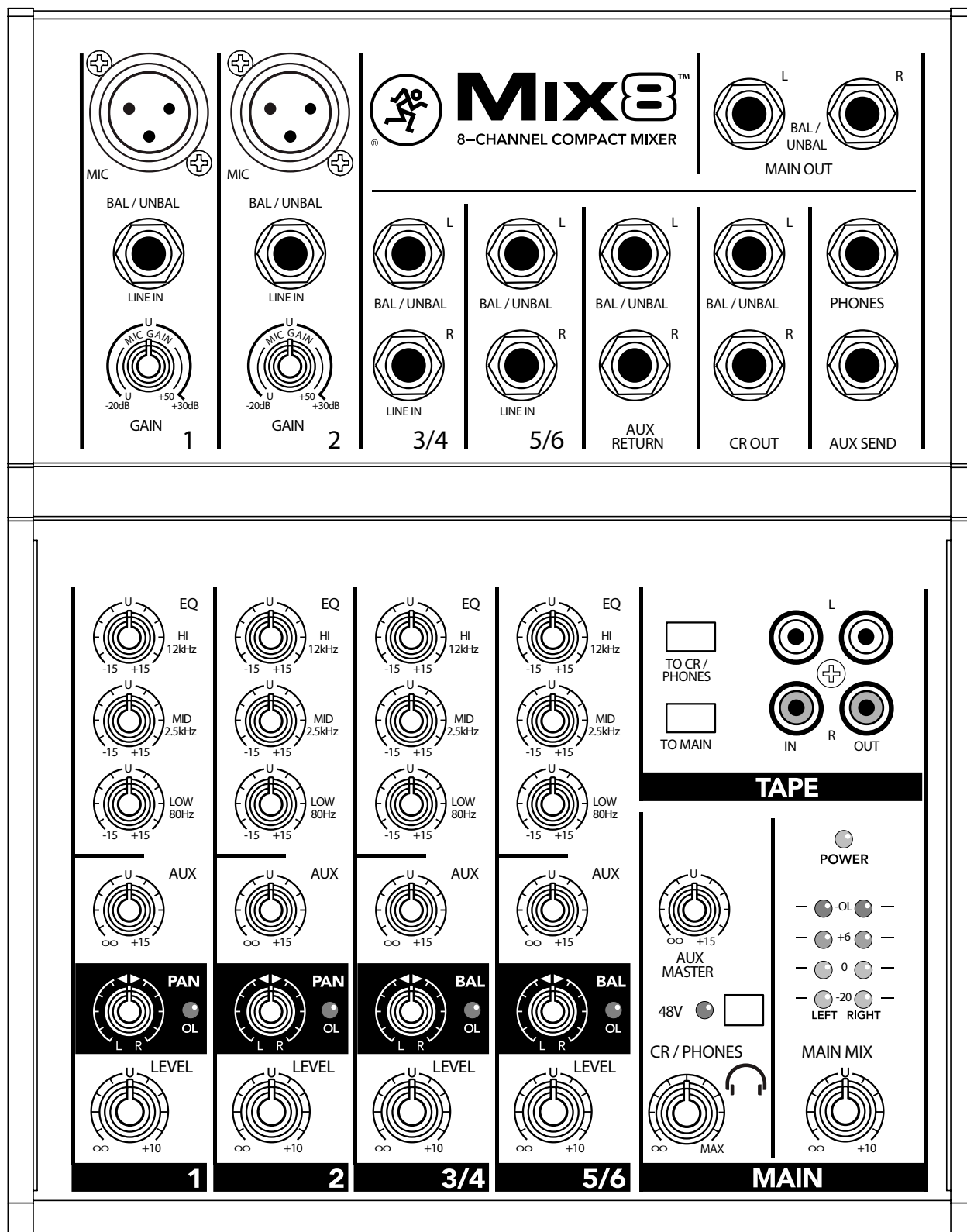
Mix12FX Block Diagram



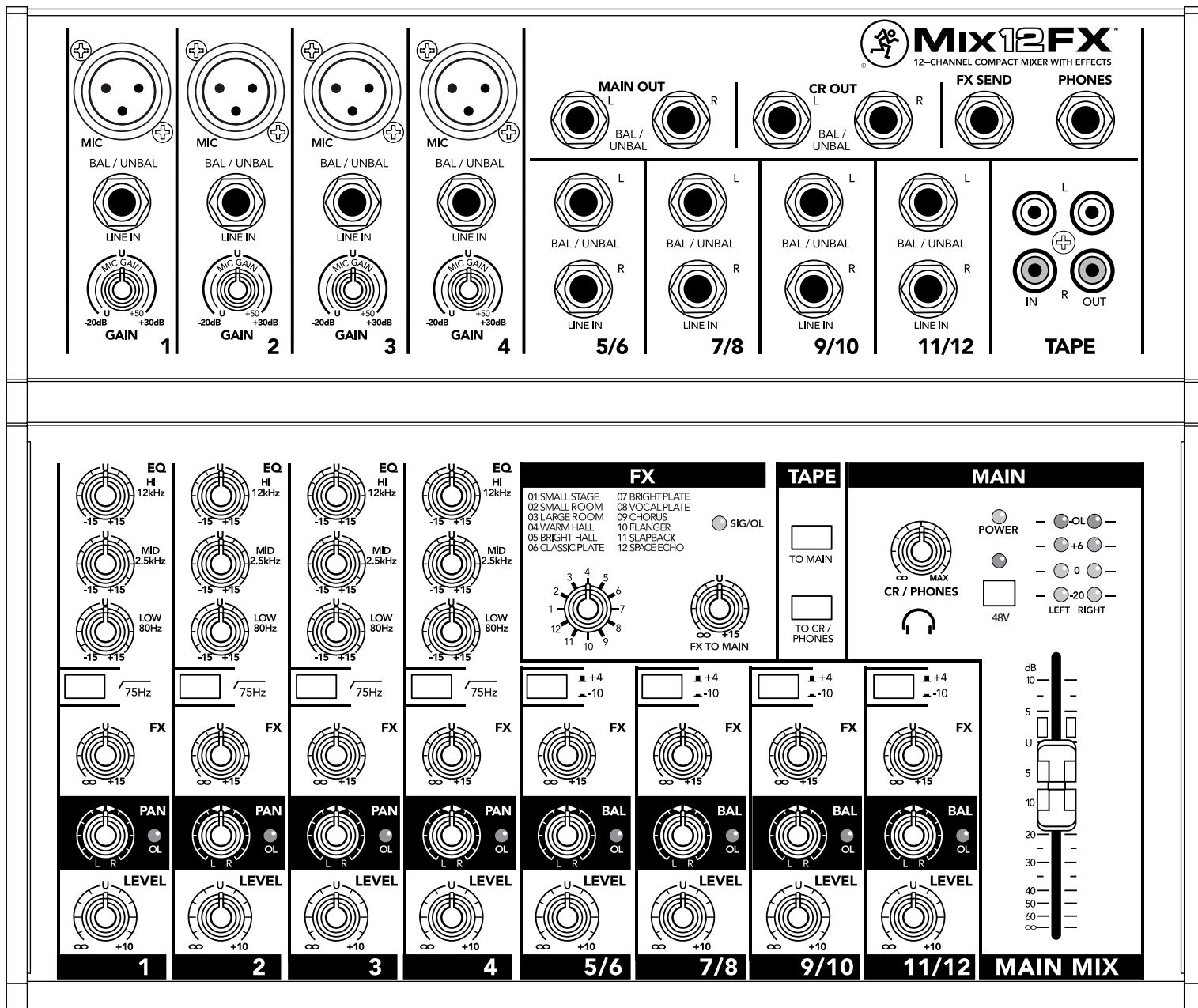
Mix5 Front Panel



Mix8 Front Panel



Mix12FX Front Panel



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Electronic files for this product are available at:
www.mackie.com

Specification Sheet

Mix_Series_SS.PDF

Owner's Manual

Mix_Series_OM.PDF



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