



## FreePlay

The Mackie FreePlay™ is the ultimate all-in-one stereo PA solution. With a portable, battery-powerable design, FreePlay delivers powerful, full-range sound anytime, anywhere.

FreePlay features Bluetooth® technology for music streaming from any mobile device that can be mixed with vocal mics, guitars and more.

Plus, with the Mackie FreePlay Connect™ app, you get mobile freedom to control everything from levels and EQ to sound-enhancing tools like a feedback destroyer for amazing sound in any situation.

From the stage to the boardroom to the backyard, FreePlay delivers powerful, rich sound that inspires. Be you and be heard with the Mackie FreePlay.



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## FEATURES:

- The Ultimate All-In-One Personal PA
  - Full-range stereo system with high-output 8" woofer for unmatched bass response
  - Built-in 4-channel digital mixer perfect for connecting vocal mics, guitars and more
  - Stream your music from any smartphone, tablet or other Bluetooth® enabled device
  - Flexible choice of AC or battery power, perfect for mobile applications
    - o Optional Lithium-ion battery pack delivers up to 10 hours of continuous performance<sup>1</sup>
    - o Can also be powered with standard batteries (8 x D cell)
  - Easy-to-use, built-in controls plus option for complete wireless operation
- Pocketable Control On The Go
  - FreePlay Connect™ app available for iPhone® and iPod® touch<sup>2</sup>
  - Delivers total mobile control over your mix, from input levels and EQ to built-in vocal and instrument effects
  - Attach your phone to a mic stand for easy mixing while performing or discretely control levels from a podium
- Built For Professional Performance
  - Built-in feedback destroyer for fearless performance with no unexpected, distracting noise
  - 16 great-sounding digital effects like vocal reverbs and delays
  - Complete control over channel levels, including per channel EQ and effects levels
  - Choice of speaker modes ensures amazing sound for any application with the touch of a button
- Available Accessories
  - Tilt your FreePlay back or mount it on a standard speaker pole with the Kickstand / Pole Mount accessory
  - Always have the power you need with the FreePlay Rechargeable Lithium-Ion Battery
  - Durable FreePlay Carry Bag with pockets for storing mics, cables and more

<sup>1</sup> Your mileage may vary. Battery life is dependent on sustained volume levels.

<sup>2</sup> Requires iOS 8 or later. Supports iPhone 6 Plus, iPhone 6, iPhone 5S, iPhone 5C, iPhone 5, iPhone 4S and iPod touch (5th generation).

## FREEPLAY SPECIFICATIONS

### Acoustic Performance

Frequency Response (-10 dB)	65 Hz – 20 kHz
Frequency Response (-3 dB)	80 Hz – 20 kHz
Max peak SPL (@ 1m calculated) <sup>1</sup>	114 dB
Crossover Point	3.0 kHz
Dispersion	90°

### Equalization

Low Shelving	±15 dB @ 80 Hz
Mid-Peaking	±15 dB @ 2.5 kHz
High Shelving	±15 dB @ 12 kHz
Increments	±3 dB

### High-Frequency Section

Voice Coil Diameter	1.0 in / 25 mm
Horn Entry Diameter	1.0 in / 25 mm
Diaphragm Material	Polyethylene Naphthalate (PEN)
Magnet Material	Ferrite

### Low-Frequency Section

Woofer Diameter	8.0 in / 203 mm
Voice Coil Diameter	1.2 in / 30 mm
Diaphragm Material	Treated Paper
Magnet Material	Ferrite

### Power Amplifiers

<b>System Power Amplification</b>	
Rated Power	150 watts rms 300 watts peak

### Low Frequency Power Amplifier

Rated Power	75 watts rms 150 watts peak
Rated THD	1%
Cooling	Convection
Design	Class D

### High Frequency Power Amplifier

Rated Power	37 watts rms x2 75 watts peak x2
Rated THD	1%
Cooling	Convection
Design	Class D

### System Processing

Channel EQ	3-band
Main EQ	4 voicing modes
FX	16 presets
Feedback Destroyer	On / Off

### Input / Output

XLR	10 kΩ balanced
1/4" TRS	100 kΩ balanced
1/4" TS	400 kΩ unbalanced
1/8"	10 kΩ
Monitor Output	1/4" TRS balanced

<sup>1</sup> Calculated from driver sensitivity and amplifier power.

## FREEPLAY SPECIFICATIONS CONT...

### Power

Detachable line cord	100–240 VAC, 50/60 Hz Input, 1.5 Amps, 20 VDC Output, 3.25 Amps
AC Input Connector	IEC 60320 C7
Operating Temperature [extended ambient temperature]	0 to 40 °C 32 to 104 °F

### Safety Features

Input Protection	Peak and rms limiting, power supply and amplifier thermal protection
Display LEDs	Defeatable front power ON, Rear channel input OL (Overload)
Status Info	Input and output levels, Battery level, FX on/off and level, Feedback Destroyer on/off, EQ speaker voicing on/off

### Battery Information

Battery Type	Lithium Ion
Capacity	5200 mAh
Nominal Voltage	7.4 V DC
Operating Temperature Range	-20 to 60 °C
Charging Temperature Range	0 to 40 °C

### Bluetooth Information

Bluetooth Protocol	3.0
Bluetooth Function	Audio Streaming and User Interface Control

### Construction Features

Cabinet	PC-ABS
Finish	High durability black paint
Handles	One on top
Grille	Powder-coated 21 gauge steel
Monitor Angle	45° (using optional kickstand)

### Physical Properties (packaged product)

Height	12.5 in / 318 mm
Width	20.5 in / 521 mm
Depth	12.2 in / 310 mm
Weight	15 lb / 6.8 kg

### Physical Properties (product)

Height	9.5 in / 241 mm
Width	17.8 in / 452 mm
Depth	9.1 in / 231 mm
Weight	11 lb / 5 kg

### Options

FreePlay Lithium Ion Battery	P/N 2043880-00
FreePlay Kickstand / Pole Mount	P/N 2043890-00
FreePlay Bag	P/N 2036809-28

### Ordering Information

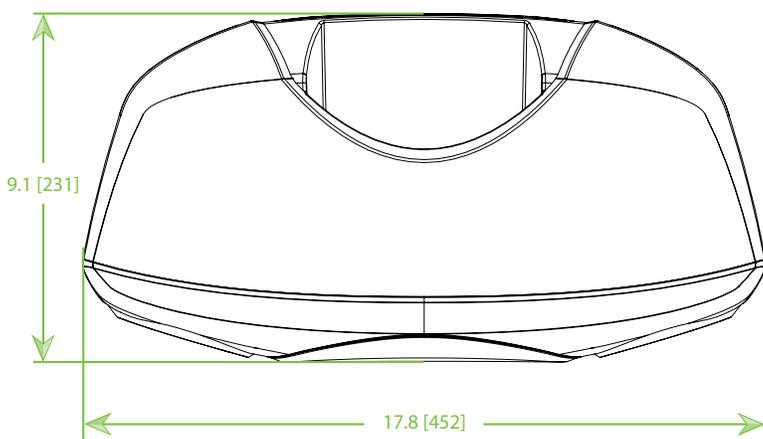
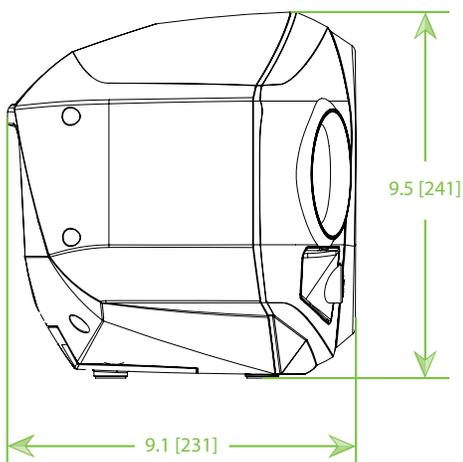
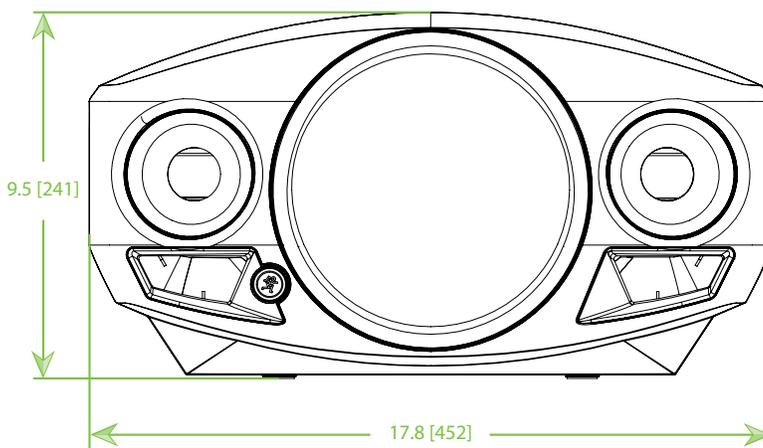
FreePlay Personal PA, US	P/N 2043900-00
FreePlay Personal PA, EU	P/N 2043900-01
FreePlay Personal PA, JP	P/N 2043900-02
FreePlay Personal PA, UK	P/N 2043900-03
FreePlay Personal PA, AU	P/N 2043900-04
FreePlay Personal PA, CN	P/N 2043900-05
FreePlay Personal PA, BZ (~120 V)	P/N 2043900-06

## FREEPLAY DIMENSIONS

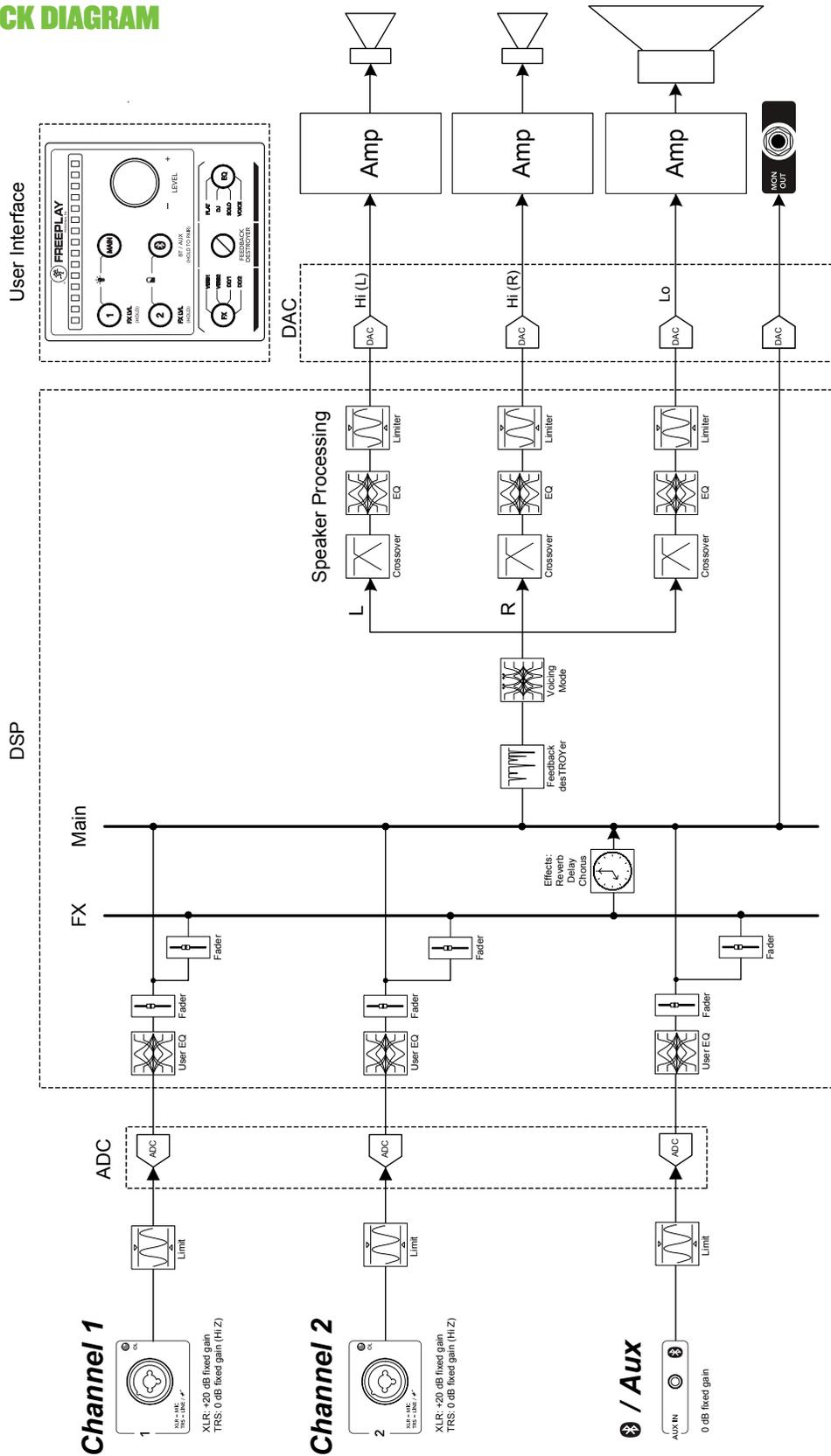
**NOTES:**

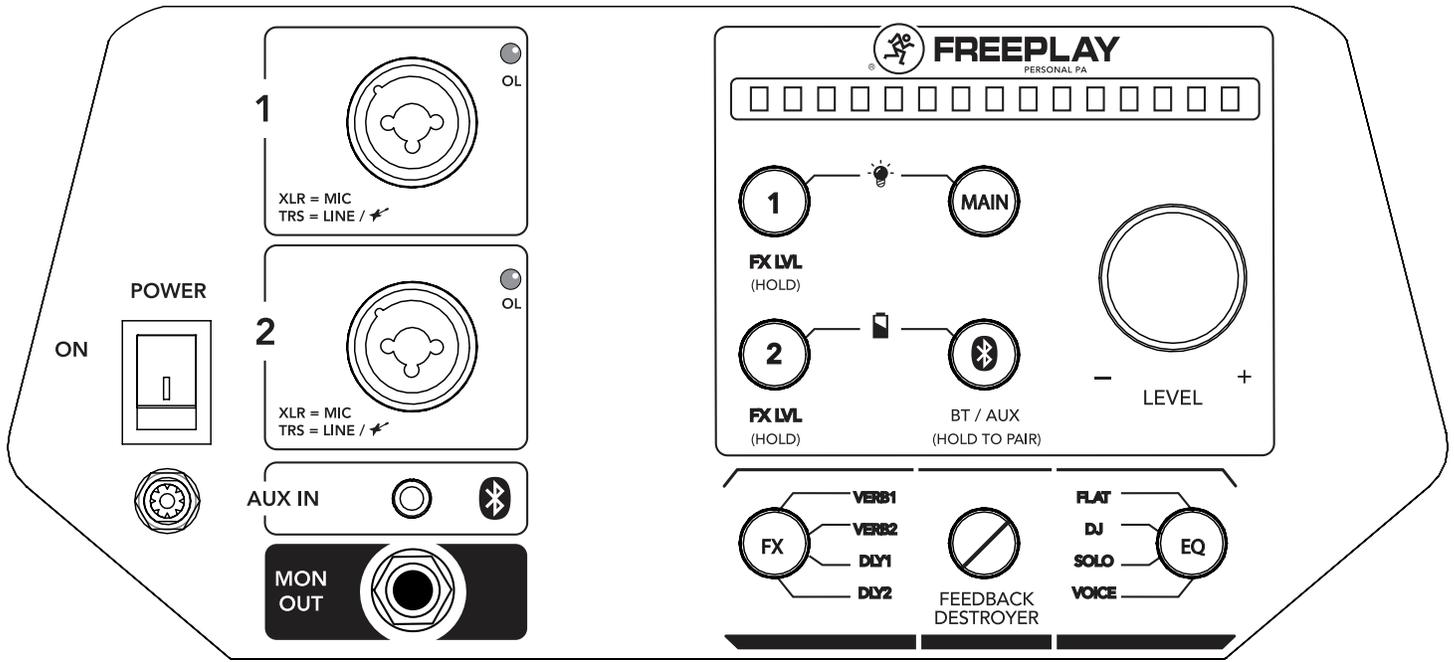
1. WEIGHT APPROX. 11 lb [5 kg].
2. SHIPPING WEIGHT APPROX. 15 lb [6.8 kg].

<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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## FREEPLAY BLOCK DIAGRAM



**FREEPLAY REAR 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	FreePlay_SS.PDF
Owner's Manual	FreePlay_OM.PDF



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