

SRM150

The SRM150 combines Mackie's proven mixer and SRM Series Active loudspeaker technologies to create a powerful, great-sounding 3-channel PA system that is ultra-compact, versatile and expandable. The Mackie SRM150 Compact Active PA System is ideal for a wide variety of applications ranging from boardroom A/V to live musical performance in coffee houses, piano bars, or rehearsals, just to name a few.

The built-in Mackie mixer provides two mic/line channels that accept XLR or 1/4-inch connectors, with switchable 48V phantom power on the mic inputs. Channel 1 can also accept an instrument input directly from a guitar or bass with the press of a switch. A third stereo channel can be used for playing back MP3s, CDs, or tapes. A 3-band EQ is included to adjust the tone and minimize feedback, and a Thru connector provides a line-level output for connecting to a mixer or another powered loudspeaker.

The 5.25-inch full-range weather-resistant neodymium driver was specified by EAW to handle the 150 available watts delivered by the internal Class D amp. The SRM150 can deliver 120 dB SPL @ 1 meter, which is incredible for its size.

The cabinet is constructed of high-pressure injected polypropylene. An insert is provided on the bottom of the cabinet for mounting on a mic stand, using the included mic stand adapter. In addition, a threaded insert is provided on the top of the cabinet for mounting a microphone, using the included mic boom extender.

APPLICATIONS

Small club/band PA systems, boardrooms, A/V presentations, classrooms, personal monitor for practice or performance, PA system expansion and many, many more.



FEATURES:

- Extremely portable powered loudspeaker system
- Built-in Mackie mixer with superior sound quality with:
 - 3-channel mixer with 3-band active EQ
 - Two high-headroom Mackie mic/line preamps with 48V phantom power
 - Instrument-ready input (no DI required)
 - Dedicated stereo channel for keyboards, CD, MP3, etc.
 - Combo "line in" for linking or adding inputs
 - XLR "thru" with mic/line switch for linking more SRM150s or direct send to main PA
- 150W Peak of high output, Class D power
- 5.25" premium quality, full-range neodymium driver
- Frequency response: 100 Hz to 17.5 kHz
- 120 dB maximum SPL peak @ 1 meter
- Complete system protection with built-in limiter
- Built-in carry handle on top
- Integral aluminum heatsink
- Mic stand integration system for use with stand and boom
- Tough, impact resistant polypropylene enclosure
- Lightweight for ultimate portability (7.6 lb / 3.4 kg)

SRM150 SPECIFICATIONS

Acoustic Performance

Frequency Response (-3 dB)	100 Hz - 17.5 kHz
Frequency Range (-10 dB)	60 Hz - 22 kHz
Max SPL long-term	110 dB @ 1 m
Max SPL peak	120 dB @ 1 m

Mixer Section

Frequency Response (-3 dB) (Mic Input to Line Out, Gain at 0 dB)	5 Hz - 40 kHz (+0, -1 dB)
Input Impedance	
Mic	3 k Ω balanced
Hi-Z	20 k Ω balanced
Instrument	1 M Ω
Line	10 k Ω balanced
Stereo	10 k Ω balanced
Maximum Voltage Gain	
Mic Input 1/2	51 dB
Stereo Input	9 dB
Maximum Input Level	
Mic	-28 dBu, gain at +50 dB +15 dBu, gain at +6 dB
Line	-8 dBu, gain at +30 dB +35 dBu, gain at -15 dB
Stereo	+20 dBu, gain at 0 dB
3-Band Equalization	
High	± 15 dB @ 12 kHz
Mid	± 15 dB @ 2.5 kHz
Low	± 15 dB @ 100 Hz
Thru Out Mic Level Pad	-30 dB
Common Mode Rejection Ratio (CMRR) (1 kHz, gain at unity)	55 dB
Noise (20 Hz to 20 kHz BW, 150 Ω source impedance)	
Equivalent Input Noise (EIN)	-129 dBu
Residual Output Noise (Line out, channel and master levels off)	-85 dBu

Power Amplifier

Rated Power	100 watts
Maximum Power	150 watts peak
Rated THD	< 0.05%
Cooling	Convection Extrusion
Design	Class D

Transducer

Diameter	5.25 in / 134 mm
Voice Coil Diameter	1.0 in / 25.4 mm
Magnet Material	Neodymium

Line Input Power

Universal Power Supply	100 VAC - 240 VAC, 50 - 60 Hz, 35 VAC
AC Connector	3-pin IEC 250 VAC

Safety Features

Overload Protection	Limiter
Thermal Protection	Amplifier shutdown, auto-reset

Construction Features

Material	Polypropylene
Finish	Grey, textured finish
Handles	One on top
Grille	Perforated metal with weather-resistant coating
Display LEDs	Power ON, and Phantom Power ON
Operating Temperature	0° - 40°C 32° - 104°F

Physical Properties (packaged product)

Height	10.3 in / 262 mm
Width	12.0 in / 305 mm
Depth	7.5 in / 191 mm
Shipping Weight	10 lb / 4.5 kg

Physical Properties (product)

Height	8.0 in / 203 mm
Width	11.2 in / 284 mm
Depth	6.8 in / 173 mm
Net Weight	7.6 lb / 3.4 kg

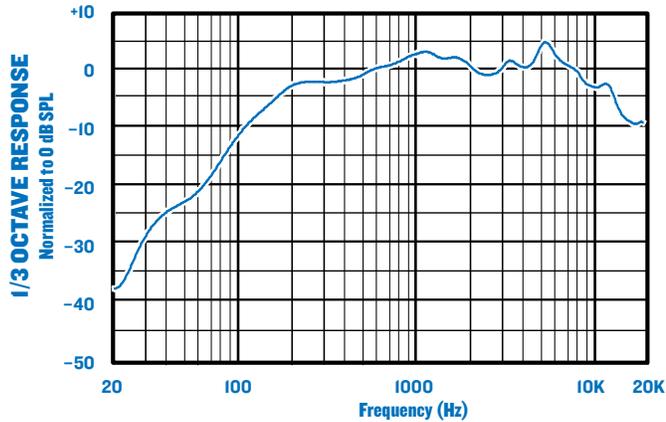
Mounting Methods

Mic stand mountable with the supplied adapter via the built-in socket on the bottom of the cabinet

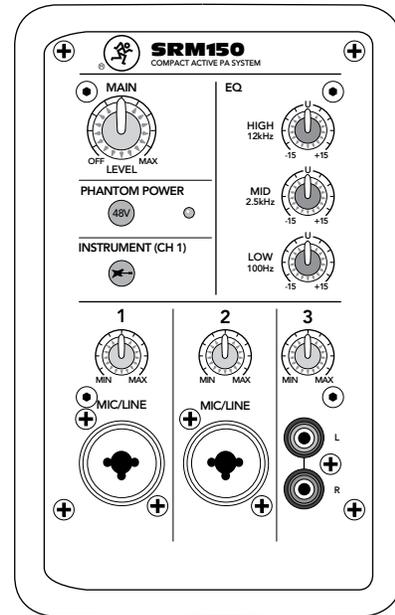
Ordering Information

SRM150 5.25" Compact Active PA System, US	P/N 2033796-00
SRM150 5.25" Compact Active PA System, EU	P/N 2033796-01
SRM150 5.25" Compact Active PA System, CN	P/N 2033796-05

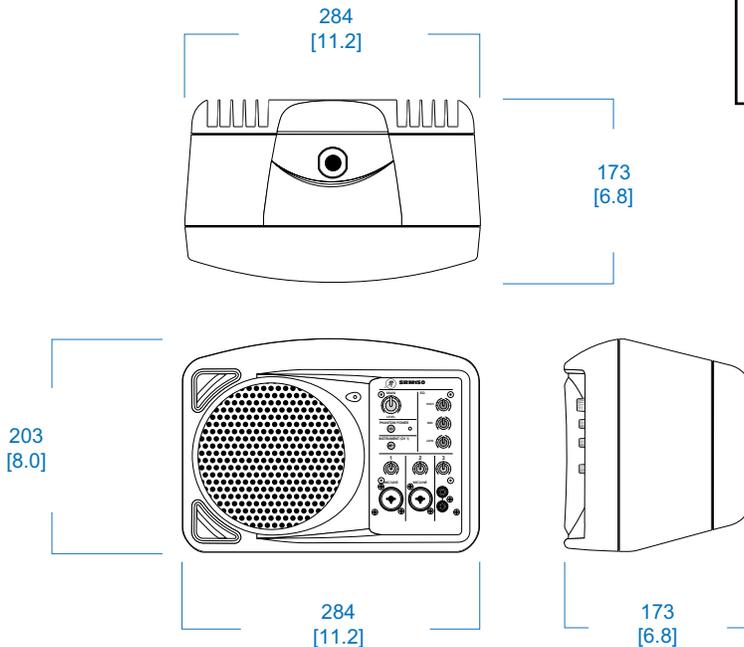
SRM150 FREQUENCY RESPONSE



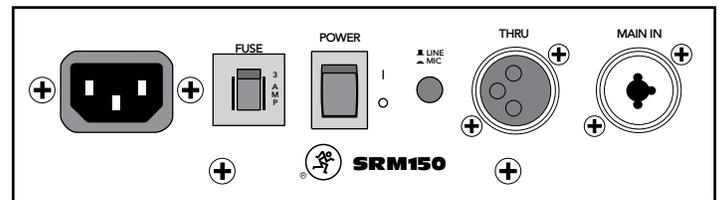
SRM150 FRONT PANEL



SRM150 DIMENSIONS



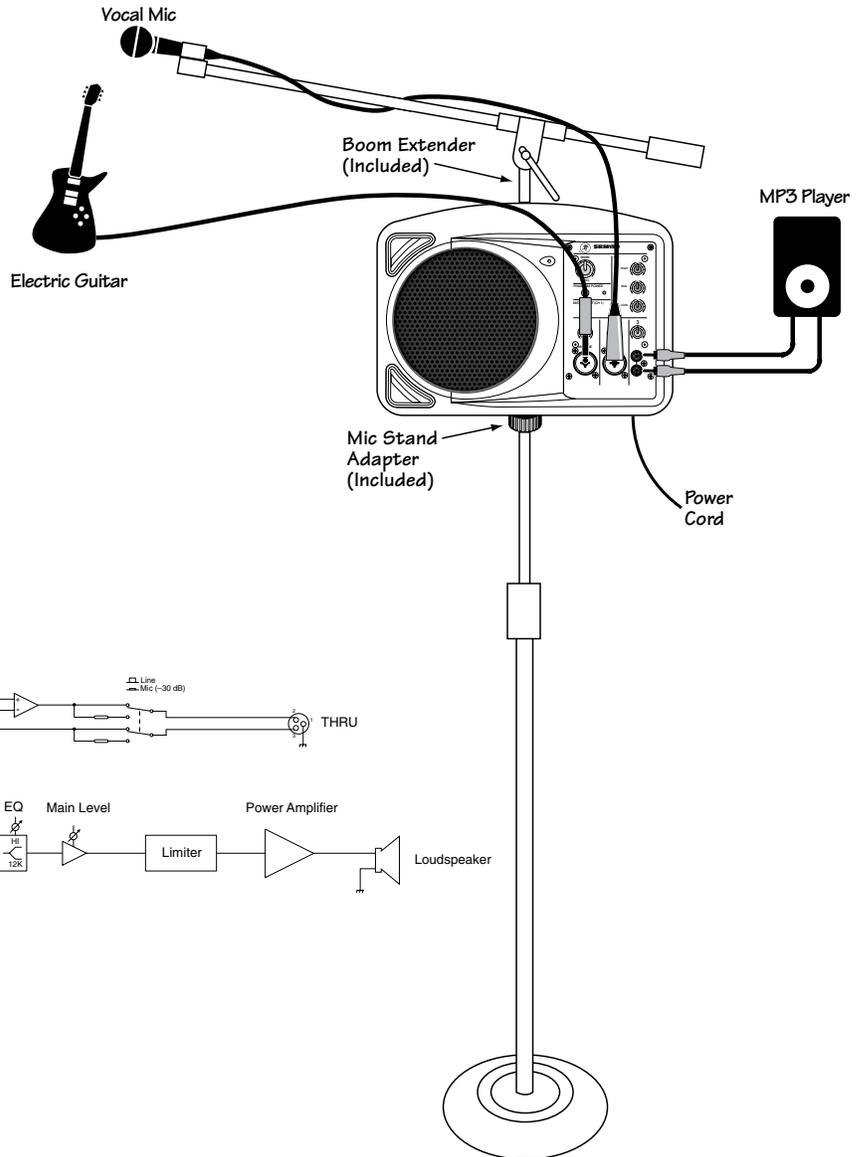
SRM150 REAR PANEL



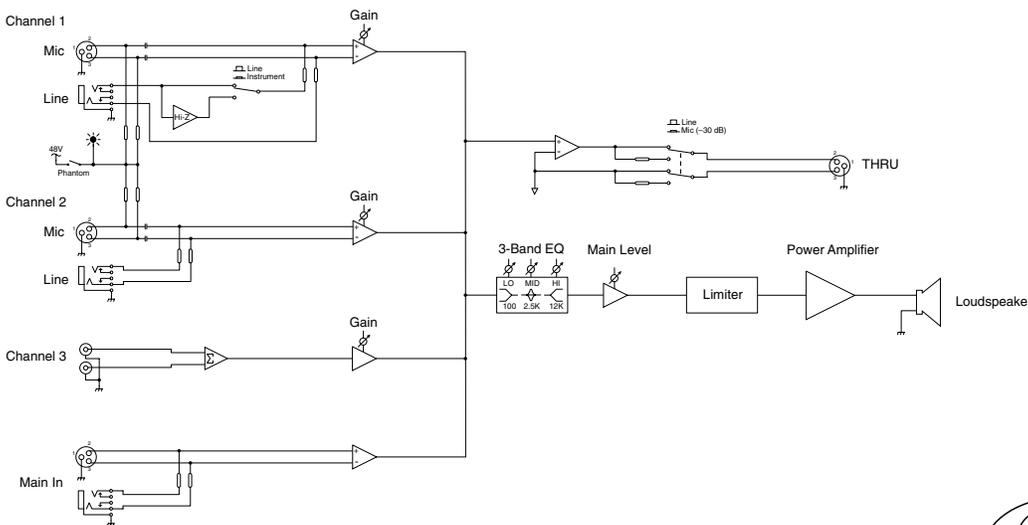
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETERS. DUAL [INCHES] DIMENSIONS FOR REF ONLY.
 TOLERANCES
 LINEAR ± 3.3 mm / ± 0.13 in; ANGLES ± 1°
 (X.XX) = REF DIMS
 NO TOLERANCE IMPLIED
 TSC=THEORETICAL SHARP CORNER
 DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL

- NOTES:
 1. WEIGHT APPROX. 3.4 kg [7.6 lb]
 2. SHIPPING WEIGHT APPROX. 4.5 kg [10 lb]

SRM150 STAND MOUNT



SRM150 BLOCK DIAGRAM



Electronic files for this product are available at:

www.mackie.com

Specification Sheet

SRM150_SS.PDF

Owner's Manual

SRM150_OM.PDF

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