

OWNER'S MANUAL

M7-12IB

Marine Subwoofer with
Transflective™ RGB LED Lighting (optional)

*Thank you for choosing a JL Audio Marine Subwoofer.
With proper installation, your new speaker will deliver
years of listening pleasure.*

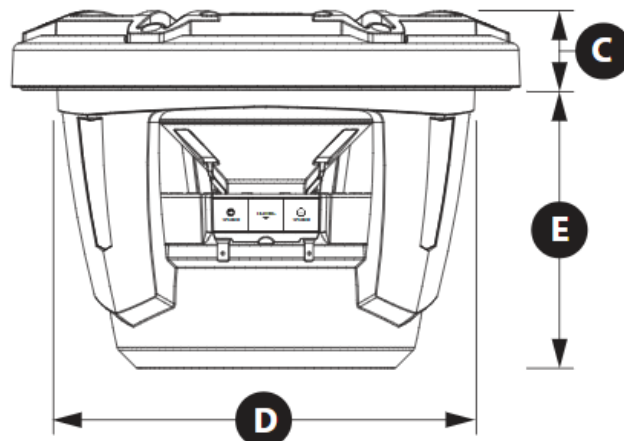
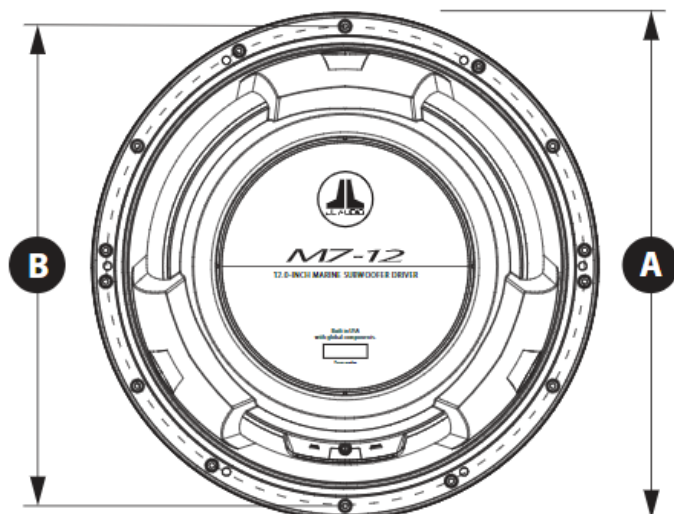
*We strongly recommend that you have your subwoofer
installed by your authorized JL Audio dealer.*

*The installation professionals employed by your dealer have
the necessary tools and experience to properly install this product.*

*If you prefer to perform your own installation,
please read this instruction manual completely before
beginning the process.*



PHYSICAL SPECIFICATIONS



Subwoofer Physical Specifications	
Nominal Diameter	12 in / 300 mm
Outer Diameter (A)	14 in / 356 mm
Bolt Hole Circle (B)	12.813 in / 325 mm
Frontal Grille Protrusion-Classic* (C)	1.45 in / 37 mm
Frontal Grille Protrusion-Sport* (C)	1.48 in / 38 mm
Mounting Hole Diameter (D)	12.0625 in / 306 mm
Mounting Depth (E)	7.94 in / 202 mm
Net Weight	25.30 lbs / 11.50 kg
Driver Displacement	0.148 ft ³ / 4.19 litres

* Frontal grille protrusion measured from mounting surface (Sport Grille Pictured)

INCLUDED PARTS

- One Polymer Subwoofer Grille (attached to subwoofer)
- One Polymer Subwoofer Grille Trim Ring (attached to subwoofer)
- Six #10 x 1 5/8-inch (41 mm) Phillips pan-head stainless-steel screws
- Six #10 stainless-steel washers

LED Equipped Models

Integrated Transflective™ RGB LED lighting system (patent-pending) delivers smooth, even accent illumination, with no hot spots. LED functionality requires separate wiring at each speaker location. Adjustable control of RGB lighting requires the use of an RGB lighting controller (sold separately). For optimal performance, we recommend using the JL Audio marine lighting controller (MLC-RW).

Subwoofer Parameters	M7-12IB
Free Air Resonance (Fs):	35.34 Hz
Electrical "Q" (Qes):	0.856
Mechanical "Q" (Qms):	10.389
Total Speaker "Q" (Qts):	0.791
Equivalent Compliance (Vas):	1.99 ft ³ / 56.35 litres
One-way, Linear Excursion (Xmax)*:	0.73 in / 18.5 mm
Efficiency (1W/1m)**:	86.7 dB SPL
Effective Piston Area (Sd):	80.54 in ² / 0.0520 m ²
DC Resistance (Re):	3.543 ohm
Nominal Impedance:	4 ohm
Infinite Baffle Use:	Yes
Enclosure Use:	Yes (Sealed & Ported)
Power Handling (continuous):	600W

* Xmax specifications are derived via one-way voice coil overhang method with no correction factors applied.

** Efficiency (1W/1m) is not an accurate indicator of a subwoofer's output capability and should not be used as a comparison to other subwoofers to determine which one is "louder"!

We recommend the use of this speaker in a bi-amplified system using high-quality satellite speakers and amplifiers. We do not recommend the use of this subwoofer with a passive crossover (coil), as this type of device will adversely affect performance.