

OWNER'S MANUAL

M6-10IB / M6-10W

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.*

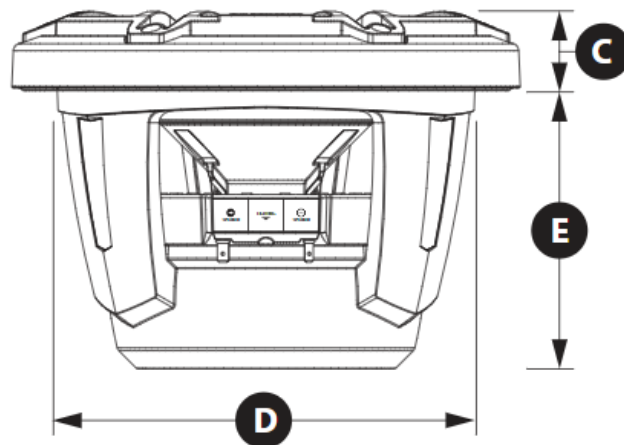
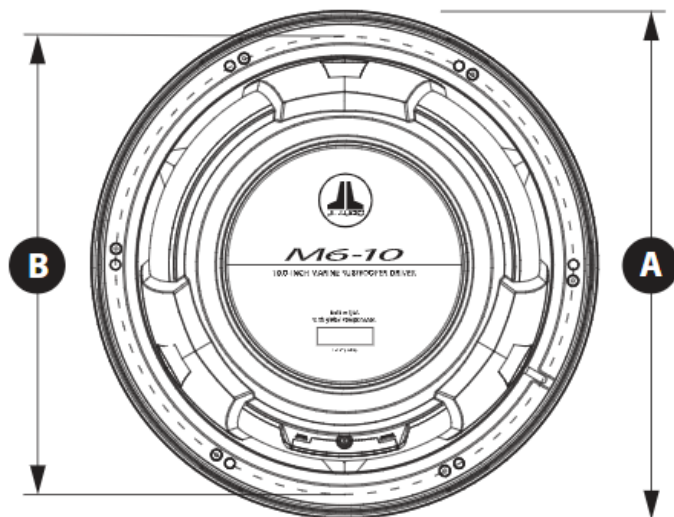
*We strongly recommend that you have your subwoofer
installed by your authorized JL Audio dealer.*

*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	10 in / 250 mm
Outer Diameter (A)	10.75 in / 273 mm
Bolt Hole Circle (B)	9.70 in / 247 mm
Frontal Grille Protrusion-Classic* (C)	1.66 in / 42 mm
Frontal Grille Protrusion-Sport* (C)	1.66 in / 42 mm
Mounting Hole Diameter (D)	8.875 in / 225 mm
Mounting Depth (E)	5.90 in / 150 mm
Net Weight	12.60 lbs / 5.70 kg
Driver Displacement	0.052 ft ³ / 1.47 litres

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

INCLUDED PARTS

- One Polymer Subwoofer Grille
- One Polymer Subwoofer Grille Trim Ring
- 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	M6-10IB	M6-10W
Free Air Resonance (Fs):	43.76 Hz	34.58 Hz
Electrical "Q" (Qes):	0.907	0.522
Mechanical "Q" (Qms):	11.315	9.780
Total Speaker "Q" (Qts):	0.840	0.496
Equivalent Compliance (Vas):	0.98 ft ³ / 27.75 litres	1.22 ft ³ / 34.49 litres
One-way, Linear Excursion (Xmax)*:	0.52 in / 13.2 mm	0.52 in / 13.2 mm
Efficiency (1W/1m)**:	86.1 dB SPL	86.4 dB SPL
Effective Piston Area (Sd):	50.11 in ² / 0.0323 m ²	50.11 in ² / 0.0323 m ²
DC Resistance (Re):	4.543 ohm	3.619 ohm
Nominal Impedance:	4 ohm	4 ohm
Infinite Baffle Use:	Yes	No
Enclosure Use:	Yes (Sealed & Ported)	Yes (Sealed & Ported)
Power Handling (continuous):	250W	250W

* 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.