Every journey has a soundtrack.
Built in U.S.A. for true marine duty.

Engineering, environmental testing and assembly all take place in our Miramar, Florida facility, ensuring consistent process control and component part quality.

All materials, assemblies and completed systems are tested using advanced salt-fog and UV test equipment, which simulate years of exposure to the elements. JL Audio’s environmental longevity standards far exceed typical industry standards to ensure years of consistent performance in your boat.
Engineering & Manufacturing: a commitment to great audio.

JL Audio’s commitment to U.S. loudspeaker production is unique in the marine audio industry and is central to the quality, durability and consistency of our marine loudspeakers.

To pull this off in a competitive world market, our production engineering team has created one of the world’s most advanced loudspeaker assembly facilities in Miramar, Florida. Having our design engineers, production engineers and production teams working together in one place gives us the freedom to push technology further, while keeping a very tight focus on quality and product performance.

I am very confident you will hear our absolute commitment to great audio every time you listen to our marine audio products.

Lucio Proni - CEO and Chief Engineer

All our marine loudspeakers are built in the U.S.A., in our state-of-the-art Florida factory, and under close supervision of the engineering team that designed them.

In addition to marine loudspeakers, our Miramar, Florida manufacturing facility also produces JL Audio’s finest car subwoofers: W7AE’s, W6v3’s, TW5v2’s, TW3’s and W3v3’s, as well as our home subwoofers. We also produce Stealthbox® products and enclosed subwoofer systems in Florida.

JL Audio’s commitment to research has resulted in 33 U.S. Patents covering 23 unique loudspeaker and electronics technologies (with several more currently pending).

“We tested a boat with a complete JL Audio system...
The clarity and power emitted by this system was second to no other boat system on any boat, of any size, we have ever heard. It was a truly amazing experience.”

– Tony Albelo, Mayor’s Cup Tournament Director

“Our customers are thrilled with the incredible sound quality of the JL Audio systems we’re installing in our boats.”

– Ariel Pared, President, SeaVee Boats
Why do you need a subwoofer in your boat?

Most people expect a subwoofer to give them better and bigger bass, but the biggest benefit is that it will make your whole system sound better. A properly implemented subwoofer system relieves your main speakers from the stress of having to reproduce the lowest frequencies in your music. Free from this burden, they can play louder and cleaner, giving you far better overall audio performance.

JL Audio’s maximum-performance marine subwoofers deliver the kind of bass that has made JL Audio famous in the automotive and home theater sound arenas. This is bass that will impress you—not only with its sheer level, but even more with its smoothness, balance and precision.

Application-specific models:

The M10IB5 is optimized for high-power, infinite-baffle operation so that it can be installed in a variety of locations, without the need for a dedicated enclosure. This is accomplished with an entirely different motor and suspension design than that used in the M10W5.

The M10W5 is optimized for operation in compact enclosures (0.5 to 1.0 cu.ft.) and features extremely long linear excursion capability for outstanding output and low-distortion performance. It is available as a raw driver or pre-loaded in a 100% fiberglass enclosure, precisely tuned to extract optimum performance from the M10W5.

Whichever model you choose will allow you to create the ultimate sonic foundation for your marine audio system.

Subwoofer Drivers:
- Very long linear excursion, DMA-optimized motor systems result in superior output with reduced distortion
- Injection-molded mica-filled polypropylene cone bodies with synthetic rubber surrounds, specifically formulated for marine duty
- Marine-grade, synthetic fiber spider with progressive-roll design
- Corrosion and UV-Resistant polymer baskets
- Gold-plated, marine-grade brass connection terminals
- Protective, UV-Resistant speaker grilles and marine-grade stainless-steel mounting hardware are included with all systems
- Four great looks to choose from: two different grille styles (sport or classic), each available in all-white or black/titanium color scheme.

FS110-W5 Enclosed Subwoofer:
100% fiberglass-enclosed subwoofer system featuring our M10W5 Subwoofer Driver.
- 100% Fiberglass enclosure construction for years of reliable performance
- Sealed enclosure, precisely tuned for the M10W5, delivers outstanding impact and low-frequency extension in open air applications.
- Available in black gel-coat with black/titanium Sport Grille or white gel-coat with white Classic Grille.
M-Series: Maximum-Performance Loudspeakers

Capable of standing alone, or in conjunction with our marine subwoofers, these maximum-performance marine speaker systems deliver exceptional fidelity and output at anchor, or at full throttle.

All models feature woofer motor systems optimized with JL Audio’s proprietary DMA technology, leading to linear, controlled behavior at all listening levels. Treated silk dome tweeters deliver sparkling detail and excellent off-axis response for balanced coverage in the entire listening area, with none of the harshness common to lesser marine speakers.

For tighter spaces, our compact M650-CCX is available in a true 6.5-inch, narrow-flange format that will fit where conventional marine 6.5-inch speakers will not.

For an extra sonic edge, consider our oversized, 7.7-inch diameter coaxial or component speaker systems that deliver more bass, higher output and better clarity at high volume levels than 6.5-inch speakers, thanks to 20% more sound radiating area.

For those who believe that there is no such thing as “too much of a good thing,” our massive 8.8-inch coaxials deliver another giant performance leap, far surpassing the output and low-frequency capabilities of our very capable 7.7-inch models.

Consult your authorized JL Audio dealer to design your ultimate marine audio experience. You already found the right starting place.

Truly engineered for marine duty
• To ensure long-term performance, all models are designed and built to exceed industry standards for salt-fog and UV exposure. These are saltwater-rated products that you can use with confidence.

Outstanding sound quality
• All models are designed to operate in open-air boat environments, delivering powerful, smooth sound that is several steps beyond common marine speakers. These are not car speakers painted white; they are acoustically engineered for boat installations.
• Specifically optimized M-Series models are available for cockpit panel-mounting and small enclosure mounting (i.e. wakeboard boat tower systems) to ensure superior bass performance in each application.

High power handling
• Designed to benefit from operation with quality amplification, such as the JL Audio marine amplifiers.

Up to four great looks to choose from!
• M-Series models offer two different grille styles (sport or classic), each available in all-white or a black/titanium color scheme.
M-Series: Maximum-Performance Enclosed Loudspeakers

These sleek, maximum-performance speaker systems are ideal for wakeboard towers or other tubular structures, and can also be mounted to decks and other flat surfaces. Like all JL Audio marine speakers, our enclosed systems are built to withstand intense UV exposure and a real saltwater marine environment, delivering years of listening enjoyment.

The 7.7-inch models feature enhanced bass performance, thanks to specialized 7.7-inch tower coaxials designed to deliver clean, loud audio that can be heard well beyond the boat. For those looking for even more performance, we offer a larger model that employs our massive 8.8-inch M-Series coaxial. This is the ultimate tower speaker system, delivering superb sound quality, amazing bass and very high output.

The 7.7 and 8.8-inch enclosures are precision-molded from our special marine-grade polymer and feature a decorative, aluminum JL Audio logo cap on the end opposite the speaker. Each is designed to mate with one of our precision-machined clamp systems (sold separately and available to fit a wide range of pipe diameters or surface-mount applications).

For larger boats or yachts requiring serious full-range party speakers, we also offer the 3-way, bi-amp M103EWS systems (shown on next page). Each one features our M10IB5 subwoofer, plus our 7.7-inch M-series coaxial in an optimized fiberglass enclosure with a beautiful gel-coat finish.

All models are available in both white and black finishes, to match a wide range of boat styles.

Enclosed Speaker Systems (sold as pairs):

M770-ETxv2-SG-WH: 7.7-inch tower coaxial system 100W, 4 ohms
M880-ETxv2-SG-WH: 8.8-inch tower coaxial system, 125W, 4 ohms
Sold as pairs. Enclosures are pictured with mounting clamps attached. Mounting clamps are sold separately.

M-MCPv2- (shown on next page): ETxv2 enclosures are pictured with mounting clamps attached. These are sold separately and available to fit a wide range of pipe diameters. See page 10 for more details.

Engineered as a complete system
• Systems incorporate our M-Series marine coaxials, for maximum audio performance.
• Sealed enclosures are tuned to provide optimal sound, while keeping the elements out.

Truly Engineered for Marine Duty
• To ensure long-term performance, all models are designed and built to exceed industry standards for salt-fog and UV exposure. These are saltwater-rated products that you can use with confidence.
• Speakers and Enclosures are molded from Marine-grade polymer to resist salt and UV exposure

Flexible mounting options (see page 10)
• Multiple mounting options are available:
  - Fixed pipe clamp
  - Swiveling pipe clamp
  - Fixed deck-mount
  - Tilting deck-mount
• All mounting hardware is saltwater grade.

Up to four great looks to choose from!
• M-Series models offer two different grille styles (sport or classic), each available in all-white or a black/titanium color scheme.
Mounts for M770-ETXv2 and MX770-ETXv2 models:

- M-SWMCPv2-SC: Fixed mount clamps available for pipe diameter range of 1.315” to 2.500”
- M-SWMCPv2-SC: Swivel clamps available for pipe diameter range of 1.315” to 2.500”
- M-MCPv2-MC: MasterCraft®-specific mount
- M-MCPv2-DM: Adjustable yaw surface mount
- M-MCPv2-SM: Fixed, low-profile surface mount

Designed for Custom-Mounting
For applications with angled pipes, the enclosure is designed to receive the loudspeaker in virtually any angle of rotation for a clean, finished look.

- 770-ETXv2-CVR: Gray neoprene, zippered cover protects 770-ETXv2 during storage & trailering. Sold as pairs.
- M770-ETXv2-CG-WH: 7.7-inch coaxial system shown with deck-mount hardware (M-MCPv2-DM) attached. Sold as pairs.
### M-Series: Color / Grille Options

Maximum performance... Four great looks to choose from!

<table>
<thead>
<tr>
<th>Classic Grille (CG)</th>
<th>Sport Grille (SG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M8IB5- infinite-baffle subwoofer driver</td>
<td>M8IB5- infinite-baffle subwoofer driver</td>
</tr>
<tr>
<td>M10IB5- infinite-baffle subwoofer driver</td>
<td>M10IB5- infinite-baffle subwoofer driver</td>
</tr>
<tr>
<td>M10WS- small enclosure subwoofer driver</td>
<td>M10WS- small enclosure subwoofer driver</td>
</tr>
<tr>
<td>FS110-W5- enclosed subwoofer system</td>
<td>FS110-W5- enclosed subwoofer system</td>
</tr>
</tbody>
</table>

**M770 Series**

**M770 / MX770 Series**

- **Narrow-Flange 6.5-inch (166 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 7.70 in. / 196 mm
  - **Bolt Hole Circle (B):** 6.92 in. / 176 mm
  - **Woofe Mounting Hole Diameter:** 5.18 in. / 132 mm
  - **Woofe Mounting Depth:** 3.15 in. / 80 mm
  - **Oversize design results in more cone area, higher output and better bass response than 6.5-inch or 7.7-inch marine speakers.**

- **7.7-inch (196 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 7.70 in. / 196 mm
  - **Bolt Hole Circle (B):** 6.92 in. / 176 mm
  - **Woofe Mounting Hole Diameter:** 5.18 in. / 132 mm
  - **Woofe Mounting Depth:** 3.15 in. / 80 mm
  - **Oversize design results in more cone area, higher output and better bass response than 6.5-inch or 7.7-inch marine speakers.**

**Which speaker size is right for your boat?**

- **M880 Series**
  - **8.8-inch (224 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 8.80 in. / 224 mm
  - **Bolt Hole Circle (B):** 7.97 in. / 202 mm
  - **Woofe Mounting Hole Diameter:** 7.375 in. / 187 mm
  - **Woofe Mounting Depth:** 5.18 in. / 132 mm
  - **Oversize design results in more cone area, higher output and better bass response than 6.5-inch or 7.7-inch marine speakers.**

- **M770 / MX770 Series**
  - **Narrow-Flange 6.5-inch (166 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 7.70 in. / 196 mm
  - **Bolt Hole Circle (B):** 6.92 in. / 176 mm
  - **Woofe Mounting Hole Diameter:** 5.18 in. / 132 mm
  - **Woofe Mounting Depth:** 3.15 in. / 80 mm
  - **Oversize design results in more cone area, higher output and better bass response than 6.5-inch or 7.7-inch marine speakers.**

- **M650 Series**
  - **Standard Flange “6.5-inch” (166 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 6.55 in. / 166 mm
  - **Bolt Hole Circle (B):** 5.79 in. / 147 mm
  - **Woofe Mounting Hole Diameter:** 5.00-5.25 in. / 127-133 mm
  - **Woofe Mounting Depth:** 2.95 in. / 75 mm
  - **To allow fitment in tighter spaces, this speaker has a narrower flange and a smaller bolt hole circle than a standard “marine 6.5-inch” speaker.**

- **MX650 Series**
  - **Standard Flange “6.5-inch” (175 mm) Speakers**
  - **Woofer Frame Outer Diameter (A):** 6.90 in. / 175 mm
  - **Bolt Hole Circle (B):** 6.35 in. / 160.5 mm
  - **Woofe Mounting Hole Diameter:** 5.00-5.25 in. / 127-133 mm
  - **Woofe Mounting Depth:** 2.74 in. / 69.5 mm
  - **This speaker uses a standard, wide-flange “marine 6.5-inch” frame (which is actually 6.9 inches in diameter) and is a direct replacement for most marine “6.5-inch” speakers.**

### Interchangeable Sport Grille badges:

- White speakers with Sport Grilles include white, black and red interchangeable logo badges to customize your installation.
- Titanium speakers with Sport Grilles include titanium, black and red interchangeable logo badges to customize your installation.
MX-Series: High-Performance Subwoofers and Loudspeakers

We know that you expect great performance and top quality when you choose JL Audio for your marine audio system. This is why our more affordable MX speakers are designed with the same “DNA” as our flagship speakers, and are built alongside them in our U.S. factory. We also use the same marine-grade materials to ensure outstanding longevity in real-world boating use.

Most importantly, our fanatical approach to sound quality is in full effect, this time optimized for moderate power systems.

MX speaker systems are available in a wide range of beautiful looks for flush-mounting, or as enclosed systems that are ideal for wakeboard towers, deck mounting and many other self-contained applications.

Truly engineered for marine duty
• To ensure long-term performance, all models are designed and built to exceed industry standards for salt-fog and UV exposure. These are saltwater-rated products that you can use with confidence.

Outstanding sound quality
• All models are designed to operate in open-air boat environments, delivering powerful, smooth sound that is several steps beyond common marine speakers. These are not car speakers painted white, they are acoustically engineered for boat installations.

High power handling
• Designed to benefit from operation with quality amplification, such as the JL Audio marine amplifiers.

Up to five great looks to choose from!
• MX-Series models are available with the Classic or Sport Grille designs, in all-white or black/titanium color schemes.
• The coaxial models are also available in a new Chrome grille finish.

Enclosed Speaker Systems (sold as pairs):
MX770-ETXv2:
• Spectacular looks and performance
• 7.7-inch enclosed coaxial system for tower or deck-mounting.
• 70W, 4 ohms
• Mounting hardware sold separately. Sold as pairs.

MX10IB3:
JL Audio® marine subwoofer performance at a really nice price!
10-inch subwoofer driver
175W, 4 ohms
Designed for infinite-baffle operation (no enclosure needed). Sold individually

MX770-CCX:
Super-sized for more output, deeper bass response and superior sound quality!
7.7-inch cockpit coaxial speaker,
70W, 4 ohms
Designed for infinite-baffle operation (no enclosure needed). Sold as pairs.

MX650-CCX:
The ideal replacement for standard-sized marine 6.5-inch speakers!
6.5-inch cockpit coaxial speaker,
60W, 4 ohms
Designed for infinite-baffle operation (no enclosure needed). Sold as pairs.
## MX-Series: Color / Grille Options

High performance... Five great looks to choose from!

<table>
<thead>
<tr>
<th>Classic Grille (CG)</th>
<th>White (WH)</th>
<th>Titanium (TB)</th>
<th>White (WH)</th>
<th>Titanium (TB)</th>
<th>Chrome (CR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX10IB3- infinite-baffle subwoofer driver</td>
<td>MX650-CCX- cockpit coaxial system</td>
<td>MX650-CCX- cockpit coaxial system</td>
<td>MX650-CCX- cockpit coaxial system</td>
<td>MX650-CCX- cockpit coaxial system</td>
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</tr>
<tr>
<td>MX770-CCX- cockpit coaxial system</td>
<td>MX770-CCX- cockpit coaxial system</td>
<td>MX770-CCX- cockpit coaxial system</td>
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</tr>
<tr>
<td>MX770-ETXv2- enclosed tower-mount coaxial</td>
<td>MX770-ETXv2- enclosed tower-mount coaxial</td>
<td>MX770-ETXv2- enclosed tower-mount coaxial</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sport Grille (SG)</th>
<th>White (WH)</th>
<th>Titanium (TB)</th>
<th>Chrome (CR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX10IB3- infinite-baffle subwoofer driver</td>
<td>MX650-CCX- cockpit coaxial system</td>
<td>MX650-CCX- cockpit coaxial system</td>
<td></td>
</tr>
<tr>
<td>MX770-CCX- cockpit coaxial system</td>
<td>MX770-CCX- cockpit coaxial system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MX770-ETXv2- enclosed tower-mount coaxial</td>
<td>MX770-ETXv2- enclosed tower-mount coaxial</td>
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</tr>
</tbody>
</table>

### Interchangeable Sport Grille badges:

- **White speakers with Sport Grilles:** Include white, black and red interchangeable logo badges to customize your installation.
- **Chrome speakers with Sport Grilles:** Include black, blue and red interchangeable logo badges to customize your installation.
- **Titanium speakers with Sport Grilles:** Include titanium, black and red interchangeable logo badges to customize your installation.

### Which speaker size is right for your boat?

#### MX650 Series

**Standard Flange “6.5-inch” (166 mm) Speakers**

- **Woofer Frame Outer Diameter (A):** 6.55 in. / 166 mm
- **Bolt Hole Circle (B):** 5.00-5.25 in. / 127-133 mm
- **Woofer Mounting Hole Diameter:** 5.00-5.25 in. / 127-133 mm
- **Woofer Mounting Depth:** 2.95 in. / 75 mm
- **To allow fitment in tighter spaces, this speaker has a narrower flange and a smaller bolt hole circle than a standard “marine 6.5-inch” speaker.**

#### M770 / MX770 Series

**Narrow Flange 6.5-inch (166 mm) Speakers**

- **Woofer Frame Outer Diameter (A):** 6.55 in. / 166 mm
- **Bolt Hole Circle (B):** 5.00-5.25 in. / 127-133 mm
- **Woofer Mounting Hole Diameter:** 5.00-5.25 in. / 127-133 mm
- **Woofer Mounting Depth:** 2.95 in. / 75 mm
- **To allow fitment in tighter spaces, this speaker has a narrower flange and a smaller bolt hole circle than a standard “marine 6.5-inch” speaker.**

#### M880 Series

**8.8-inch (224 mm) Speakers**

- **Woofer Frame Outer Diameter (A):** 8.80 in. / 224 mm
- **Bolt Hole Circle (B):** 6.92 in. / 176 mm
- **Woofer Mounting Hole Diameter:** 6.25 in. / 159 mm
- **Woofer Mounting Depth:** 3.15 in. / 80 mm
- **Oversize design results in more cone area, higher output and better bass response than 6.5-inch or 7.7-inch marine speakers.**

#### M770 Series

**7.7-inch (196 mm) Speakers**

- **Woofer Frame Outer Diameter (A):** 7.70 in. / 196 mm
- **Bolt Hole Circle (B):** 6.92 in. / 176 mm
- **Woofer Mounting Hole Diameter:** 6.25 in. / 159 mm
- **Woofer Mounting Depth:** 3.15 in. / 80 mm
- **Oversize design results in more cone area, higher output and better bass response than 6.5-inch marine speakers.**
MHD Series: Marine Amplifiers

Maximum marine audio performance requires ample clean power, and our MHD amplifiers are built to deliver it.

The MHD’s central technology, Single-Cycle Control™, allows us to pack a huge amount of clean power into the compact MHD chassis, while delivering stellar installation flexibility. But, that is only half the story: Single Cycle Control™ and our famous R.I.P.S. power supply technology enable world-class sonic performance that equals the finest amplifiers, of any size, while operating reliably in the tough marine environment. These are unique JL Audio technologies that cannot be found on any other marine amplifier.

When only the best will do, MHD is your amplifier.

Groundbreaking Switching Amplifier Technology:

Single Cycle Control™
- Full-range operation with reference-grade sonic capabilities.
- Patented Single Cycle Control™ technology corrects output in each and every switching cycle (over 400,000 times per second). This dramatically reduces distortion at high frequencies compared to other full-range switching amplifiers.
- Exceptional efficiency reduces current draw and heat, permitting reliable high power output within a very small, easy to install design.

R.I.P.S. (Regulated, Intelligent Power Supply)
- All the power, all the time… tightly regulated, intelligent power supply maintains full power at any impedance from 1.5 - 4 ohms per channel and at any supply voltage from 11V - 14.5V.
- MHD600/4 and MHD900/5 offer independent R.I.P.S. optimization for each channel section.

Studio-Grade Signal Processing
- Select shallow (12dB/octave) or steep (24dB/octave) high or low-pass filters to best integrate with subwoofers or component systems.
- Fully-variable frequency selection from 50-500 Hz with detented, calibrated potentiometer(s)
- Remote level control with HD-RLC controller (sold separately)
- Preamp outputs (except MHD900/5)
- Infrasonic filter and Output Polarity Switch (MHD750/1 only)

Differential-Balanced Inputs
- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.

Advanced Rollback Protection and RealSink™
- Amplifier will never shut down due to thermal overload.
- Restores full power operation when it has cooled down to safe temperature.
- Real finned heat sink is extremely effective and requires no fans.
- Multiple units can be stacked without compromising cooling effectiveness. Stacking kit is sold separately.

MHD Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Class</th>
<th>Description</th>
<th>Power Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHD750/1</td>
<td>D</td>
<td>Class D, Wide-Range Monoblock Marine Amplifier</td>
<td>1 x 750W @ 1.5 - 4 ohms</td>
</tr>
<tr>
<td>MHD600/4</td>
<td>D</td>
<td>Class D, 4-Channel Full-Range Marine Amplifier</td>
<td>4 x 150W @ 1.5 - 4 ohms per ch.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 x 300W @ 3 - 8 ohms per ch. bridged</td>
</tr>
<tr>
<td>MHD900/5</td>
<td>D</td>
<td>Class D, 5-Channel Marine System Amplifier</td>
<td>4 x 100W + 1 x 500W @ 4 ohms per ch.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4 x 75W + 1 x 500W @ 2 ohms per ch.</td>
</tr>
</tbody>
</table>

Power rated at 11.0 - 14.5V supply voltage, with less than 0.05% THD+N (RMS Method)

How small and how powerful?

All MHD amplifier models share the same tiny dimensions, making them far easier to place than conventional marine amplifiers.

Remote Level Control (HD-RLC)
With the addition of an HD-RLC to any of our marine amplifiers, you can control the overall level of the subwoofer channel or the whole amplifier, depending on the model.

Security cover hides and protects controls

Lateral mounting feet create additional mounting flexibility.

Removable power and speaker plugs

* Patented technology used under exclusive license for marine audio from PowerPhysics, Inc. - Newport Beach, CA
Prepare to be stunned by the audio performance of these amazingly compact marine amplifiers, and start thinking about the ease with which they will install into your boat!

Behind it all is JL Audio’s exclusive NexD™ switching technology, achieving total amplifier efficiencies that exceed 80%. This efficiency advantage results in much less heat, reducing heat-sink size requirements and making M-Series amplifiers ideal for space-conscious installations. Their reduced current draw also makes them much kinder to your boat’s electrical system than conventional amplifiers of similar power.

M-Series amplifiers also deploy our Advanced Rollback Protection™ to completely eliminate annoying thermal shut-down events.

Beneath every M-Series amplifier’s gasketed control cover, you will find studio-grade signal processing with fully-variable crossover filters. Also included are our noise-killing, differential inputs with remote level control capabilities via the HD-RLC remote level control (optional).

Some might just see a small amplifier... But, for those who appreciate great audio, M-Series amplifiers reveal something huge.

**Ultra-Compact Footprint / Highly Versatile**
- **M200/2**: 6.85 x 7.09 x 2.05 in. (174 x 180 x 52 mm), will fit almost anywhere
- **M400/4, M500/3, M600/1**: 8.52 x 7.09 x 2.05 in. (217 x 180 x 52 mm), approximately the same size as a hard cover book!
- **M600/6 & M700/5**: 10.23 x 7.09 x 2.05 in. (260 x 180 x 52 mm), 65% smaller than our previous generation 6-channel!
- **M800/8v2 & M1000/5v2**: 14.73 x 7.09 x 2.05 in. (374 x 180 x 52 mm).

**Studio-Grade Signal Processing**
- Monoblock models and the subwoofer channels of the system amplifiers feature fully-variable low-pass filters with switchable slope: 12dB or 24dB/octave. (M600/1, M500/3, M700/5 and M1000/5v2)
- Full-range, multi-channel models feature fully-variable, 12dB/octave filters, switchable from high-pass to low-pass. (M200/2, M400/4, M600/6 and M800/8v2)
- System amplifiers feature 12dB/octave high-pass filters on main channels. (M500/3, M700/5 & M1000/5v2)
- M700/5 and M1000/5v2 also features true 3-way crossover functionality (High-Pass, Bandpass, Low-Pass).
- Add Remote Level Control functionality to any model with the HD-RLC (sold separately).

**Differential Inputs**
- NO NOISE! Outstanding noise rejection prevents alternator whine and other noises.

**Advanced Rollback Protection**
- Amplifier will never shut down due to thermal overload. EVER.

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**M-Series Models**

<table>
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<tr>
<th>Monoblock Subwoofer Amplifiers</th>
<th>Full-Range Multi-Channel Amplifiers</th>
<th>System Amplifiers</th>
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</thead>
<tbody>
<tr>
<td>M600/1: 1 x 400W @ 4 ohms; 1 x 600W @ 2 ohms</td>
<td>M200/2: 2 x 75W @ 4 ohms; 2 x 100W @ 2 ohms</td>
<td>M500/3: 2 x 75W + 180W @ 4 ohms; 2 x 100W @ 2 ohms</td>
</tr>
<tr>
<td>M400/4: 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms</td>
<td>M400/4: 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms</td>
<td>M700/5: 4 x 75W + 180W @ 4 ohms; 4 x 100W @ 2 ohms</td>
</tr>
<tr>
<td>M600/6: 6 x 75W @ 4 ohms; 6 x 100W @ 2 ohms</td>
<td>M600/6: 6 x 75W @ 4 ohms; 6 x 100W @ 2 ohms</td>
<td>M1000/5v2: 4 x 75W + 400W @ 4 ohms; 4 x 100W + 600W @ 2 ohms</td>
</tr>
<tr>
<td>M800/8v2: 8 x 75W @ 4 ohms; 8 x 100W @ 2 ohms</td>
<td>M800/8v2: 8 x 75W @ 4 ohms; 8 x 100W @ 2 ohms</td>
<td>Power ratings for M amplifiers are based on the “industry standard” rating method (14.4V supply voltage w/less than 1% THD+N, all channels driven, RMS method).</td>
</tr>
</tbody>
</table>

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**Remote Level Control (HD-RLC)**

With the addition of an HD-RLC to any of our marine amplifiers, you can control the overall level of the subwoofer channel or the whole amplifier, depending on the model.

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**M System Amplifiers:**

Our marine system amplifiers power your whole system and take up less space than the equivalent subwoofer amplifier / satellite amplifier combination. Shown here is the M1000/5v2 sitting on top of the M600/1v2 + M400/4v2 combo.

We also offer a 700W, five channel (M700/5) and a 500W, 3channel System Amplifier (M500/3)
We’ve used the finest materials and construction techniques to create connection products that excel in the harsh marine environment.

Our marine audio interconnect cables feature brass connector bodies with marine-grade plating and an overmolded design that prevents corrosion. Twisted pair construction minimizes the likelihood of induced noise to keep your music clean.

JL Audio’s marine speaker cables and premium power/ground wire feature tinned OFC copper construction for maximum safety and conductivity.

Marine: Connection Systems.

Premium Tinned OFC Copper Power Wire:
Three Color Options:
Translucent Red, Translucent Blue or Clear
Four True AWG sizes:
8 AWG, 4 AWG, 2 AWG or 1/0 AWG
Mount for M770-ETXv2 and MX770-ETXv2 models. Clamp has inner-diameter of 2.250”.

25 - 150 Watts
4 ohms

M-SWMCPv2-1.900
200W
40 - 175 Watts

Mount for M770-ETXv2 and MX770-ETXv2 models. Clamp has inner-diameter of 2.000”.

75W-250W

Mount for M770-ETXv2 and MX770-ETXv2 models. Clamp has inner-diameter of 2.500”.

4 ohms

25 - 150 Watts
40 - 175 Watts

45 Hz - 25 KHz ± 3 dB

-WH or -TB

-WH or -TB

-WH or -TB

-WH or -TB

-WH, -TB

-WH or -TB

-WH or -TB

-WH or -TB

-WH or -TB

-WH or -TB

-WH or -TB

-WH, -TB

91.0 dB

4 ohms

55 Hz - 25 KHz ± 3 dB

Recommended RMS Amplifier Power***

System Nominal Impedance

System Frequency Response

- Member of JL Audio’s Marine Speaker System family

Twice the cone area of a conventional 6.5 in speaker!


dominates’ low-distortion performance envelope, without undue risk of failure. Use of less than the recommended power range may not damage the woofer, but may result in unsatisfactory performance. Caution must be exercised when using amplifiers that approach or meet the maximum recommended power. Use of an amplifier that exceeds the driver’s “Continuous Power Handling (Pt)” specification voids the warranty.

Recommended RMS Amplifier Power for Subwoofer Drivers: This is the RMS amplifier power recommended by JL Audio for each driver. Choosing a good quality amplifier in this power range will make use of the woofer’s low-distortion performance envelope, without undue risk of failure. Use of less than the recommended power range may not damage the woofer, but may result in unsatisfactory performance. Caution must be exercised when using amplifiers that approach or meet the maximum recommended power. Use of an amplifier that exceeds the driver’s “Continuous Power Handling (Pt)” specification voids the warranty.

Recommended RMS Amplifier Power for Full-Range Speakers (Components and Coaxials): This is the RMS amplifier power recommended by JL Audio for each speaker system per channel. A properly set, good quality amplifier in this power range will produce clean, dynamic audio without undue risk of failure when listening to music. Failure to set the amplifier’s input sensitivity correctly will compromise reliability. Use of more power than recommended will compromise reliability with aggressive use and will void the warranty.

This is the RMS amplifier power recommended by JL Audio for each driver. Choosing a good quality amplifier in this power range will make use of the woofer’s low-distortion performance envelope, without undue risk of failure. Use of less than the recommended power range may not damage the woofer, but may result in unsatisfactory performance. Caution must be exercised when using amplifiers that approach or meet the maximum recommended power. Use of an amplifier that exceeds the driver’s “Continuous Power Handling (Pt)” specification voids the warranty.
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Continuous Power (RMS Method)</th>
<th>THD+N at Rated Power</th>
<th>S/N Ratio</th>
<th>Frequency Response</th>
<th>Damping Factor</th>
<th>Dimensions H x W x D</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHD600/4</td>
<td>Class D, 4-Channel Full-Range Marine Amplifier</td>
<td>150W x 4 @ 1.5 - 4 ohms Bridged: 300W x 2 @ 3 - 8 ohms (Ratings at 11V-14.5V supply voltage)</td>
<td>&lt;0.03%</td>
<td>&gt;110 dBA referred to rated power</td>
<td>6 Hz - 30 kHz (+0, -1dB)</td>
<td>&lt;300 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;150 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>MHD750/1</td>
<td>Class D, Monoblock Wide-Range Marine Amplifier</td>
<td>750W x 1 @ 1.5 - 4 ohms (Rating at 11V-14.5V supply voltage)</td>
<td>&lt;0.03%</td>
<td>&gt;110 dBA referred to rated power</td>
<td>6 Hz - 8 kHz (+0, -1dB)</td>
<td>&gt;300 @ 4 ohms / 50 Hz</td>
<td>&gt;150 @ 2 ohms / 50 Hz</td>
</tr>
<tr>
<td>MHD900/5</td>
<td>Class D, 5-Channel Marine System Amplifier</td>
<td>Five-Channel Mode: 100W x 4 + 500W x 1 @ 2 ohms per ch. (Ratings at 11V-14.5V supply voltage)</td>
<td>&lt;0.03%</td>
<td>&gt;110 dBA referred to rated power</td>
<td>6 Hz - 30 kHz (+0, -1dB)</td>
<td>Subwoofer Channel: &gt;550 @ 4 ohms / 50 Hz</td>
<td>&gt;250 @ 2 ohms / 50 Hz</td>
</tr>
<tr>
<td>M600/1</td>
<td>Class D, Monoblock Marine Subwoofer Amplifier</td>
<td>400W RMS x 1 @ 4 ohms 600W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage)</td>
<td>1%</td>
<td>&gt;87 dBA referred to rated power</td>
<td>7 Hz - 500 kHz (+0, -1dB)</td>
<td>&gt;1000 @ 4 ohms / 50 Hz</td>
<td>&gt;500 @ 2 ohms / 50 Hz</td>
</tr>
<tr>
<td>M200/2</td>
<td>Class D, Full-Range 2-Channel Marine Amplifier</td>
<td>75W RMS x 2 @ 4 ohms 100W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>12 Hz - 22 kHz (+0, -1dB)</td>
<td>&gt;150 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;75 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>M400/4</td>
<td>Class D, Full-Range 4-Channel Marine Amplifier</td>
<td>75W RMS x 4 @ 4 ohms 150W RMS x 2 @ 8 ohms (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>12 Hz - 22 kHz (+0, -1dB)</td>
<td>&gt;150 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;75 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>M600/6</td>
<td>Class D, Full-Range 6-Channel Marine Amplifier</td>
<td>75W RMS x 6 @ 4 ohms 150W RMS x 3 @ 8 ohms (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>12 Hz - 22 kHz (+0, -1dB)</td>
<td>&gt;150 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;75 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>M800/8v2</td>
<td>Class D, Full-Range 8-Channel Marine Amplifier</td>
<td>75W RMS x 8 @ 4 ohms 150W RMS x 4 @ 8 ohms (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>12 Hz - 22 kHz (+0, -1dB)</td>
<td>&gt;150 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;75 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>M500/3</td>
<td>Class D, Full-Range 3-Channel Marine Amplifier</td>
<td>75W RMS x 2 x 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 2 x 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>10 Main Channels: 12 Hz - 22 kHz Sub Channel: 7 - 500 kHz (+0, -1dB)</td>
<td>Subwoofer Channel: &gt;120 @ 4 ohms / 50 Hz</td>
<td>&gt;60 @ 2 ohms / 50 Hz</td>
</tr>
<tr>
<td>M700/5</td>
<td>Class D, Full-Range 5-Channel Marine Amplifier with 2-Way / 3-Way Crossover</td>
<td>75W RMS x 4 x 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 x 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power</td>
<td>12 Hz - 22 kHz (+0, -1dB)</td>
<td>&gt;150 @ 4 ohms per ch. / 50 Hz</td>
<td>&gt;75 @ 2 ohms per ch. / 50 Hz</td>
</tr>
<tr>
<td>M1000/5v2</td>
<td>Class D, Full-Range 5-Channel Marine Amplifier with 2-Way / 3-Way Crossover</td>
<td>Main Channels, Stereo, all ch. driven: 75W x 4 @ 4 ohms, 100W x 4 @ 2 ohms Main Channels, Bridged, all ch. driven: 150W x 2 @ 8 ohms, 200W x 2 @ 4 ohms Subwoofer Channel, Mono, all ch. driven: 400W x 1 @ 4 ohms, 500W x 1 @ 3 ohms, 600W x 1 @ 2 ohms (Ratings at 14.4V supply voltage)</td>
<td>&lt;1%</td>
<td>&gt;104 dB referred to rated power (main channels); &gt;100 dB referred to rated power (sub channel)</td>
<td>Main Channels: 12 Hz - 22 kHz Sub Channel: 10 Hz - 1 kHz (+0, -1dB)</td>
<td>Subwoofer Channel: &gt;150 @ 4 ohms / 50 Hz</td>
<td>&gt;75 @ 2 ohms / 50 Hz</td>
</tr>
</tbody>
</table>