



Every journey has a soundtrack.
Let's make yours sound amazing.

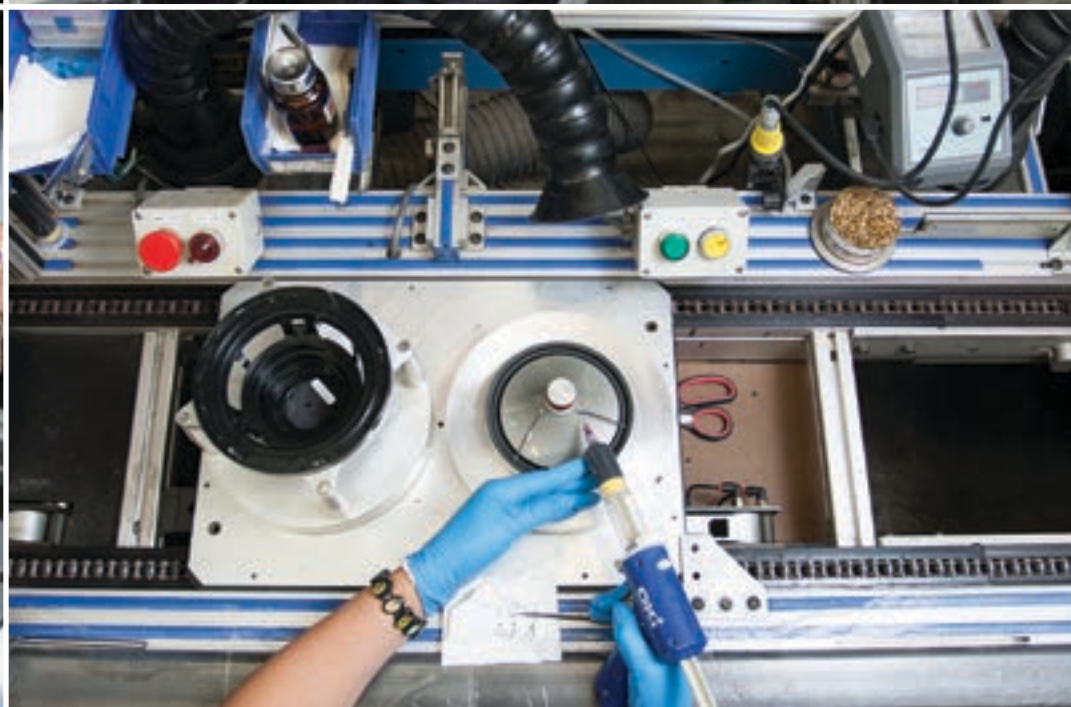


JL AUDIO® | How we play.®



Built for true marine duty.

All marine products, materials and assemblies are tested using advanced salt-fog and UV testing 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.

Materials and components from our global network of suppliers feed JL Audio's state-of-the-art loudspeaker production facility in Miramar, Florida. This is where our design engineers, production engineers and production teams work together in one place to deliver a level of quality and performance that separates our products from the rest.

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

On behalf of everyone at JL Audio, thank you for the opportunity to earn your business!

Lucio Proni - CEO and Chief Engineer



“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

*“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



MediaMaster®





MediaMaster®: your source for great audio.

The MediaMaster® 100s source unit puts audio performance first, with an audiophile-quality preamp output architecture, ideal for use with JL Audio marine amplifiers. A full, modern feature set allows you to easily connect your personal devices, for maximum flexibility and convenience.

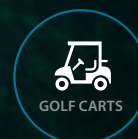
MediaMaster® source units are also built to withstand anything Mother Nature can dish out, with a certified IP66 rating and materials designed to withstand real saltwater environments and extended UV exposure.

We also paid attention to ergonomics and optics in marine applications. A big, super-bright, full color display makes things legible in daytime, but also has a customizable night-mode to preserve your night vision. We also know that the intuitive user interface with large, legible text and oversized backlit controls will be very welcome when your boat is in motion and you need to make an adjustment.

Wherever your adventures may take you, let the MM100s be the source of your soundtrack.

100s

IDEAL FOR:



Weatherproof Design:
IP66 rated and built to withstand the elements.



MMR-20 Wired Remote Controller (sold separately)



MediaMaster®

What would you like to listen to today?



SiriusXM is not available in Australia/New Zealand



Built-in AM/FM/Weather Band Tuner with RDS:

Digital AM/FM Tuner with NOAA weatherband capability. Radio Data System displays channel, category and program information for FM broadcasts, where available. A marine radio antenna is required (sold separately).



Auxiliary Input:

A pair of analog audio inputs permit connection of any audio source with stereo analog outputs.

100s

Audio Zones

| System Settings: Audio Zone Setup | |
|-----------------------------------|---|
| Zone 1 (MAIN) | ▶ |
| Zone 2 | |
| Zone 3 / Subwoofer | |
| Zone 4 (Fixed Level) | |
| Press SEL to select | |

Four distinct audio zones provide outstanding system functionality and control flexibility.

| Audio Settings: Main & Subwoofer | |
|----------------------------------|-------|
| Treble | +3 dB |
| Midrange | -2 dB |
| Bass | +7 dB |
| Use SEL knob to select & control | |

Zones 1-3 each feature independent bass, midrange and treble controls, so you can adjust the sound in each zone to your liking.

| Audio Zone Levels | |
|-----------------------------------|----------|
| Zone 1 (MAIN) | -20.0 dB |
| Zone 2 (Relative) | -10.0 dB |
| Zone 3 (Absolute) | -5.0 dB |
| Use SEL to select, adjust and set | |

Volume control of Zones 2 and 3 can be assigned to track the main volume (each with its own adjustable offset level) or operate independently.

| Audio Zones: Balance | |
|-----------------------------------|----|
| Zone 1 (MAIN) | -3 |
| Zone 2 | 0 |
| Zone 3 | 0 |
| Use SEL to select, adjust and set | |

Independent balance controls adjust zones separately, to account for speaker placement.



Play music straight from your connected USB storage device and use the MM100s to control playback.



Enjoy full USB control of your compatible iPhone, with full album art and support of songs, artists, playlists and more.



Stream wirelessly via Bluetooth® and use the MM100s to control track selection and play/pause.



USB Input and Charging:

USB 2.0 direct-digital connection for your compatible iPhone® or USB storage class device. Also charges connected devices (iPhone®, digital audio player, etc.).



Bluetooth® Audio Streaming:

Allows a Bluetooth® equipped smartphone or portable media device to stream music to your audio system from up to 35 ft. away (11 m).



Advanced aptX® codec delivers maximum audio fidelity from compatible Bluetooth® streaming devices.



MediaMaster® Accessories:

MMR-20 Round Wired Remote

- Wired, non-display remote for MM100s

MMR-10W Wireless Remote

- Wireless key-fob style remote for MM100s

MMC-6 Remote Cable

- 6-foot cable for MMR-20 wired remote

MMC-25 Remote Cable

- 25-foot cable for MMR-20 wired remote

MMC-2Y Remote Cable Y-Splitter

- Y-adaptor cable for MMC-6 and MMC-25 remote cables



MMR-10W Wireless Remote



MMC-Remote Cable Connection



MMC-6 Remote Cable



MMC-2Y Remote Cable Y-Splitter

MBT



Unwired.





MBT: Bluetooth® Receivers and Controllers



IDEAL FOR:



MBT-CRX
(Shown with included
mounting adaptor plate.)

Designed for all your outdoor adventures, JL Audio's MBT Bluetooth® products are in their element on the seas or on the back trails. Both models are water-resistant, with a full IPX6 rating.

Armed with Bluetooth® v4.0 and the aptX® codec for outstanding audio fidelity, each can receive audio wirelessly from your compatible streaming device, up to 35 ft. (11 m) away. A stereo pair of RCA outputs connects to any source unit with line-level/auxiliary inputs. You may also connect either model directly to an amplifier as a stand-alone source unit/receiver, where their 2V RMS output signals (twice that of conventional Bluetooth® receivers) really make a difference.

The super-tiny MBT-RX Bluetooth® Audio Receiver can be hidden in almost any installation location, allowing you to conveniently control your tunes from your device in-hand.

The MBT-CRX Bluetooth® Controller/Receiver adds the convenience of backlit, push-button audio controls, so that your streaming device can remain safely tucked away. A small footprint and a clever, one-hole design makes installation a simple affair, requiring only a single hole for panel mounting. A square, front-mount adaptor plate is also included.

With JL Audio's MBT Bluetooth® receivers, taking your playlist with you has never been easier, or sounded better.

Models:

MBT-CRX

Marine Bluetooth® Controller & Receiver

- Bluetooth® Profile: A2DP (High-Quality, Stereo Audio)
- Bluetooth® Core Specification: Version 4.0 with aptX®
- Frequency Response: 20 Hz - 18 kHz (±1dB)
- Outputs: One Stereo Pair, Line-Level RCA (2V RMS), +12VDC Amplifier Remote Turn-On
- Connection Range: Up to 35 ft / 11 m

MBT-RX

Marine Bluetooth® Receiver

- Bluetooth® Profile: A2DP (High-Quality, Stereo Audio)
- Bluetooth® Core Specification: Version 4.0 with aptX®
- Frequency Response: 20 Hz - 18 kHz (±1dB)
- Outputs: One Stereo Pair, Low-Level RCA (2V RMS)
- Connection Range: Up to 35 ft / 11 m

MBT-RX



* The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JL Audio is under license. The aptX® word mark and logos are registered trademarks owned by CSR and any use of such marks by JL Audio is under license.





M-Series: Maximum-Performance Subwoofers



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 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.

Optimized for high-power, infinite-baffle operation, the 8-inch M8IB5, 10-inch M10IB5 and colossal 12-inch M12IB6 subwoofers 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.

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

M-Series Features

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.



M12



M10



M8







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. Coaxial systems utilize a grille-mounted tweeter, suspended above a woofer, while component systems feature separately mounted woofers and tweeters, allowing greater tweeter mounting flexibility.

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.

M-Series Features

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 five 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.
- 8.8-inch, sport grille models also available with integrated blue LED illumination.



M650-CCX-CG-WH

M880-CCX-CG-WH

M770-CCS-SG-TB







M-Series: Maximum-Performance Enclosed Loudspeakers



M880-ETXv3-CG-WH

M770-ETXv3-CG-WH

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).

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-ETXv3-SG-WH
7.7-inch tower coaxial system
100W, 4 ohms

M880-ETXv3-SG-WH
8.8-inch tower coaxial system,
125W, 4 ohms

M-MCPv3 (shown on page 28):
ETXv3 enclosures are pictured with
mounting clamps attached. These are sold
separately and available to fit a wide range
of pipe diameters.



M770-ETXv3-CG-WH

7.7-inch coaxial system shown with deck-mount hardware (M-MCPv3-DM) attached. Sold as pairs.

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.



ETXv3-CVR

Gray neoprene, zippered cover protects ETXv3 systems during storage and trailering. Available for 7.7-inch and 8.8-inch ETXv3 enclosed loudspeakers. Sold as pairs



M103EWS-CG-WH

For larger boats or yachts requiring serious full-range party speakers, we also offer the 3-way, bi-amp M103EWS systems. Each one features our M101B5 subwoofer, plus our 7.7-inch M-series coaxial in an optimized fiberglass enclosure with a beautiful gel-coat finish.

M-Series Features

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 28)

- 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 six 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.
- 8.8-inch, sport grille models also available with integrated blue LED illumination.



AVAILABLE WITH BUILT-IN BLUE LED LIGHTING





MX-Series: High-Performance Subwoofers and Loudspeakers



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.

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. 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 surface-mounting, or as enclosed systems (shown on page 19) that are ideal for wakeboard towers, deck mounting and many other self-contained applications.



MX-Series Features

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.

Moderate power handling

- Designed to benefit from operation with quality amplification, such as the JL Audio MX amplifiers.

Up to eight great looks to choose from!

- MX-Series models are available with Classic or Sport Grille designs, in all-white or black/titanium color schemes.
- Sport grille models also available in a Chrome finish.
- All sport grille models available with integrated blue LED illumination.



MX770-CCX-SG-CLB-B



BLUE LED LIGHTING
is standard on VeX™ Pod Systems





MX-Series: High-Performance Enclosed Loudspeakers

Equipped with our MX-series coaxials, these speaker systems are designed to deliver outstanding sound quality and output in all kinds of marine applications, installing in a wide variety of locations and orientations. Like all JL Audio marine speakers, these enclosed systems are built to withstand the harshest UV exposure and saltwater marine environments, delivering pure audio delight for years to come.

VeX™ pods feature our high-performance, MX650-CCX coaxials with built-in blue LED illumination and are ideal for open-air installations, especially where space is limited. Available in gloss white or textured matte black finish, these ultra-compact speaker systems are perfect for small boats or personal watercraft (PWC). VeX™ pods are optimized for use with a high-quality subwoofer system, such as one of our many marine subwoofers.

For larger vessels, our MX770-ETXv3 speaker systems are purpose-built to generate clean, loud audio that can be heard well beyond the boat. Designed to be installed up high, these enclosed systems utilize an oversized 7.7-inch coaxial to deliver fuller sound with plenty of deep mid-bass output.

VeX™ and MX770-ETXv3 speaker systems easily attach to most tower structures and surface-mount applications using one of our many precision-machined mounting fixtures and clamps.



VeX™ Pod Enclosed Speaker Systems (sold as pairs):

PS650-VeX-SG-TMB-LDB

6.5-inch matte black coaxial system with Blue LED accent lighting
60W, 4 ohms.

PS650-VeX-SG-WGW-LDB

6.5-inch gloss white coaxial system with Blue LED accent lighting
60W, 4 ohms.

PS-SWMCP (shown on page 28):

VeX™ enclosures are pictured with mounting fixtures attached. These are sold separately and available to fit a wide range of pipe diameters.

ETXv3 Enclosed Speaker Systems (sold as pairs):

MX770-ETXv3-SG-CB

7.7-inch tower coaxial system
70W, 4 ohms.

M-MCPv3 (shown on page 28):

ETXv3 enclosures are pictured with mounting clamps attached. These are sold separately and available to fit a wide range of pipe diameters.

Features

Outstanding Sound Quality

- Acoustically engineered to operate in open air marine environments, delivering powerful, smooth sound that is several steps beyond common weatherproof speakers.
- 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 28)

A range of precision-machined mounting fixtures are available to fit a wide range of mounting applications and are engineered to permit precise aiming for optimum sound quality.

- VeX™:
 - Swiveling pipe clamp
 - Swiveling deck mount
- MX770-ETXv3:
 - Fixed pipe clamp
 - Swiveling pipe clamp
 - Fixed deck-mount
 - Tilting deck-mount
- All mounting hardware is saltwater grade.

Multiple great looks to choose from!

- VeX™ pods with sport grilles, available in all-white or matte black/titanium color scheme, with integrated blue LED illumination.
- MX770-ETXv3 models offer two different grille styles (sport or classic), each available in all-white or a black/titanium color scheme. Sport grille also available in black/chrome. All sport grille models also available with integrated blue LED illumination.



ETXv3-CVR

Gray neoprene, zippered cover protects ETXv3 systems during storage and trailering. Available for 7.7-inch and 8.8-inch ETXv3 enclosed loudspeakers. Sold as pairs







MHD: 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.



- Stackable chassis design (via optional HD Stack Kit, sold separately)
- Security cover for controls
- Removable power and speaker plugs
- RealSink™ thermal management



How small and how powerful?

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



Security cover hides and protects controls



Lateral mounting feet create additional mounting flexibility.



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.



Removable power and speaker plugs

MHD-Series Features & Specifications

MHD Models

MHD750/1: Class D, Wide-Range Monoblock Marine Amplifier
1 x 750W @ 1.5 - 4 ohms

MHD600/4: Class D, 4-Channel Full-Range Marine Amplifier
4 x 150W @ 1.5 - 4 ohms per ch.
2 x 300W @ 3 - 8 ohms per ch. bridged (24V version also available)

MHD900/5: Class D, 5-Channel Marine System Amplifier
4 x 100W + 1 x 500W @ 4 ohms per ch.
4 x 75W + 1 x 500W @ 2 ohms per ch. (24V version also available)

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

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.





M-Series: Marine Amplifiers

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.

NexD™
SWITCHING TECHNOLOGY



Incredibly compact & powerful.

Advanced NexD™ switching technology produces huge, clean power in about half the space of conventional amplifiers!



All controls are placed on the top of the amplifier beneath a gasketed, aluminum access panel.

M-Series Features

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, M1000/1v2 & 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, M1000/1v2 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.

M-Series Models

Monoblock Subwoofer Amplifiers

M600/1: 1 x 400W @ 4 ohms; 1 x 600W @ 2 ohms
M1000/1: 1 x 600W @ 4 ohms; 1 x 1000W @ 2 ohms

Full-Range Multi-Channel Amplifiers

M200/2: 2 x 75W @ 4 ohms; 2 x 100W @ 2 ohms
M400/4: 4 x 75W @ 4 ohms; 4 x 100W @ 2 ohms
M600/6: 6 x 75W @ 4 ohms; 6 x 100W @ 2 ohms
M800/8v2: 8 x 75W @ 4 ohms; 8 x 100W @ 2 ohms

System Amplifiers

M500/3: 2 x 75W + 180W @ 4 ohms;
2 x 100W + 300W @ 2 ohms
M700/5: 4 x 75W + 180W @ 4 ohms;
4 x 100W + 300W @ 2 ohms
M1000/5v2: 4 x 75W + 400W @ 4 ohms;
4 x 100W + 600W @ 2 ohms

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).

(M400/4, M600/6 and M800/8 models also available in 24V version.)

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.



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)

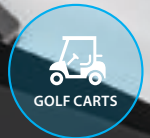


MX

NexD™
SWITCHING TECHNOLOGY



IDEAL FOR:





MX-Series: Compact Marine Amplifiers



MX500/4

NexD™
SWITCHING TECHNOLOGY

Specifically engineered for marine and powersports applications, MX amplifiers employ our highly-efficient NexD™ Class D technology to produce lots of clean power, without straining charging systems, and without taking up a lot of space.

Housed in tiny, cast alloy chassis, MX amps are corrosion resistant and boast an IPX6 water-resistance rating, making them ideal for almost any marine application, even those where moisture cannot be completely avoided.*

When powering our marine loudspeakers, the 4-channel MX280/4 delivers a clean 50W x 4 while the MX500/4 produces an even stronger 70W x 4 into 4 ohms. Both are fully bridgeable and can also be used as 3-channel amplifiers (stereo speakers + subwoofer), or as a very powerful 2-channel

amplifier, with up to 250 watts of power per channel. The latter is a great solution for powering large tower speaker systems.

The monoblock MX amps are a great choice for powering JL Audio marine subwoofers. The MX300/1 generates 160W into 4 ohms, which is a great matchup with the M10IB3. Its big brother, the MX500/1, produces a whopping 300W of rock-solid power into 4 ohms which is perfect for the M10IB5 and M10W5. Both mono amps are packed with useful features aimed at creating awesome bass performance in your boat.

All MX models include flexible crossover filters and accept a wide range of input signals.

No matter where you like to play, MX amplifiers are ready to power your soundtrack for maximum thrills!



MX280/4

MX Features and Specifications

Ultra-Compact Footprint / Highly Versatile

- **MX280/4 & MX300/1:**
1.77 in. x 8.66 in. x 3.09 in. (45 mm x 220 mm x 78.5 mm)
- **MX500/4 & MX500/1**
1.77 in. x 9.33 in. x 4.50 in. (45 mm x 237 mm x 114.5 mm)

MX-Series Models

Four-Channel Amplifiers:

- **MX280/4:** Stereo: 50 Watts x 4 @ 4Ω / 70 Watts x 4 @ 2 ohms
Bridged: 140 Watts x 2 @ 4 ohms
- **MX500/4:** 70 Watts x 4 @ 4Ω / 125 Watts x 4 @ 2 ohms
Bridged: 250 Watts x 2 @ 4 ohms

- Full-Range, NexD™ switching technology
- Adjustable High-Pass / Low-Pass Filter (35-300 Hz, 12 dB/octave, defeatable)
- 2CH/3CH/4CH input switch

Monoblock Amplifiers:

- **MX300/1:** 160 Watts x 1 @ 4Ω / 300 Watts x 1 @ 2 ohms
- **MX500/1:** 300 Watts x 1 @ 4Ω / 500 Watts x 1 @ 2 ohms

- Wide-Range, NexD™ switching technology
- Adjustable Low-Pass Filter (40-400 Hz, 24 dB/octave, defeatable)
- Output polarity switch
- Adjustable infrasonic filter (20-40 Hz)
- Variable bass boost (0 to +12dB at 43Hz)
- Port for M-RBC-1 sub level control (sold separately)

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).

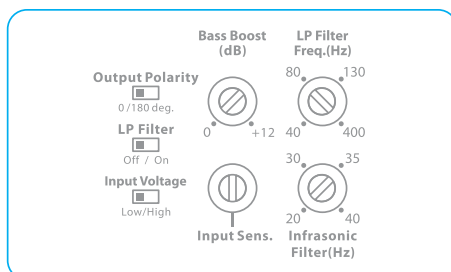
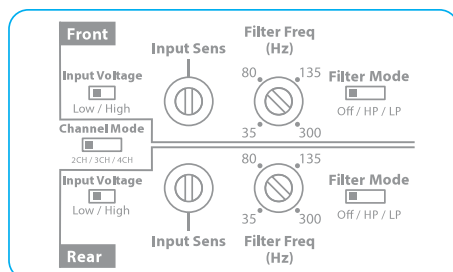


Water-Resistant Remote Level Control (M-RBC-1)

With the addition of the optional M-RBC-1 (sold separately), you can remotely control the level of a subwoofer connected to monoblock models.



All controls are protected behind a watertight cover.



*IPX6: Product is protected against streams of water and heavy moisture. The product is not designed or rated to be submersible. Product images on this page are shown with wiring removed. Actual product has non-removable wiring.





Connection Products and Systems

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.



Speaker Wire



XM-WHTMFC-25
Multifunction Cable
- 25 ft. (7.62 m)

Amplifier Power Connection Systems:

These premium systems include everything you need to make secure, high-integrity power connections to a single amplifier.

Two models are available:

XMD-PCS50A-1-L10
XMD-PCS50A-1-L20



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

Audio Interconnects



Y-Adaptors



Panel-Mounting Jacks:

Our weatherproof panel-mounting jacks allow you to create a permanent connection point for a wide variety of portable audio sources.

Two models are available:

XMC-3.5MM-PNL

3.5 mm Mini Audio Jack (stereo)

XMC-USB/3.5MM-PNL

9-pin USB 2.0/3.0 Port, plus 3.5 mm Mini Audio Jack (stereo)



Connection Products (sold individually):



XB-BTU

Positive (+) or Negative (-) Battery Connector with Three Wire Outputs: 1/0 AWG, 2 AWG, 4 AWG or 8 AWG (in any combination)



XD-BTS

Ultra-compact battery terminal. Fits Pos. (+) or Neg. (-) posts, accepts power ring(s) plus one 8 or 4 AWG wire



XB-SPTM

1 pr. Side-Post to Top-Mount Battery Terminal Adaptors (one positive, one negative)



XD-MFBW-MAXI

Water resistant Master MAXI™ Fuse Block for 8 AWG to 4 AWG Power Wire; Fuse sold separately



XB-MFBU-ANL

Master ANL Fuse Block for 4 AWG to 1/0 AWG Power Wire with 25 Wire Entry / Exit Options; Fuse sold separately



XD-FDBU-2

MAXI™ Fused Power Distribution Block: 4 AWG to 1/0 AWG input, two fused 4 AWG or 8 AWG outputs; Fuses sold separately



XD-FDBU-4

MAXI™ Fused Power Distribution Block: 4 AWG to 1/0 AWG input, four fused 4 AWG or 8 AWG outputs; Fuses sold separately



XD-PDBU-3X

Unfused, Expandable Power Distribution Block: Three 4 AWG to 1/0 AWG connections, four 4 AWG or 8 AWG connections

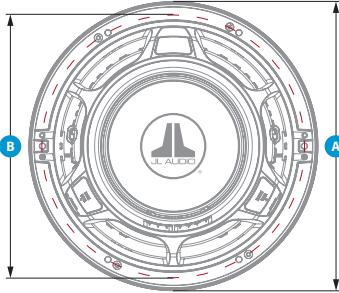
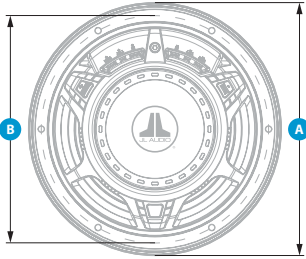
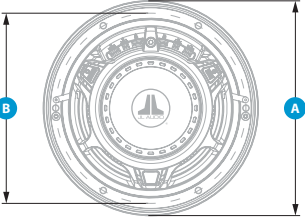



XMD-MCB

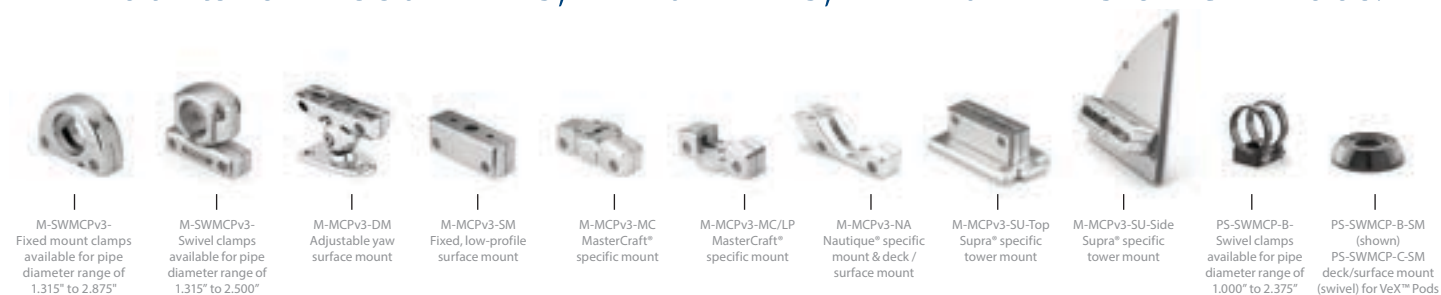
Waterproof Thermal Circuit Breaker: ignition protected, manual reset, surface mount design (Available in 80,60,50, 40,30 Amp Values.)



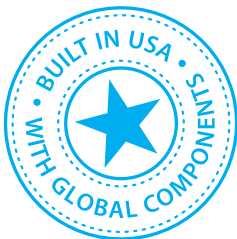
Which speaker size is right for your boat?

| M880 Series 8.8-inch (224 mm) Speakers | M770 / MX770 Series 7.7-inch (196 mm) Speakers | M650 Series Narrow-Flange 6.5-inch (166 mm) Speakers | MX650 Series Standard Flange "6.5-inch" (175 mm) Speakers |
|--|--|---|---|
|  |  |  |  |
| Woofer Frame Outer Diameter (A): 8.80 in. / 224 mm Bolt Hole Circle (B): 7.97 in. / 202 mm Woofer Mounting Hole Diameter: 7.375 in. / 187 mm Woofer 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. | 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. | Woofer Frame Outer Diameter (A): 6.55 in. / 166 mm Bolt Hole Circle (B): 5.79 in. / 147 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. | Woofer Frame Outer Diameter (A): 6.90 in. / 175 mm Bolt Hole Circle (B): 6.125 in. / 155.5 mm Woofer Mounting Hole Diameter: 5.00-5.25 in. / 127-133 mm Woofer 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. |

Mounts for M880-ETXv3, M770-ETXv3, MX770-ETXv3 & VeX™ Pods:



| Mounting Hardware for ETXv3 Marine Enclosed Speaker Systems (sold in pairs) | | |
|---|--------------------|--|
| Fixed Mount Model | Swivel Mount Model | Description |
| M-MCPv3-1.315 | M-SWMCpV3-1.315 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 1.315" |
| M-MCPv3-1.660 | M-SWMCpV3-1.660 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 1.660" |
| M-MCPv3-1.900 | M-SWMCpV3-1.900 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 1.900" |
| M-MCPv3-2.000 | M-SWMCpV3-2.000 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 2.000" |
| M-MCPv3-2.250 | M-SWMCpV3-2.250 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 2.250" |
| M-MCPv3-2.375 | M-SWMCpV3-2.375 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 2.375" |
| M-MCPv3-2.500 | M-SWMCpV3-2.500 | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 2.500" |
| M-MCPv3-2.875 | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 2.875" |
| M-MCPv3-3.000 | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Clamp has inner-diameter of 3.000" |
| M-MCPv3-MC | N/A | Mounting Fixtures for ETXv3 Speaker Systems. MasterCraft®-specific design |
| M-MCPv3-DM | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Tilt adjustable, surface mounting |
| M-MCPv3-SM | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Surface mount. |
| M-MCPv3-MC/LP | N/A | Mounting Fixtures for ETXv3 Speaker Systems. MasterCraft®-specific design |
| M-MCPv3-NA | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Deck/Surface mounting & Nautique®-specific design |
| M-MCPv3-SU-Top | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Top tower mounting. Supra®-specific design |
| M-MCPv3-SU-Side | N/A | Mounting Fixtures for ETXv3 Speaker Systems. Side tower mounting. Supra®-specific design |
| Mounting Hardware for VeX™ Pods (sold in pairs) | | |
| PS-SWMCp-B-1.000 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.000" |
| PS-SWMCp-B-1.250 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.250" |
| PS-SWMCp-B-1.500 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.500" |
| PS-SWMCp-B-1.625 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.625" |
| PS-SWMCp-B-1.750 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.75" |
| PS-SWMCp-B-1.875 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 1.875" |
| PS-SWMCp-B-2.000 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 2.000" |
| PS-SWMCp-B-2.375 | | Pipe Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clamps have inner-diameter of 2.375" |
| PS-SWMCp-B-SM | | Deck/Surface Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Black anodized. |
| PS-SWMCp-C-SM | | Deck/Surface Mounting Fixtures (Swivel) for VeX™ Speaker Systems. Clear anodized. |



M-Series: Color / Grille Options

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

| | | White (WH) | Titanium (TB) | | | White (WH) | Titanium (TB) |
|---------------------|--|--|--|-------------------|--|--|--|
| Classic Grille (CG) | | | | Sport Grille (SG) | | | |
| | | M8IB5- infinite-baffle subwoofer driver M10IB5- infinite-baffle subwoofer driver M10W5- small enclosure subwoofer driver M12IB6- infinite-baffle subwoofer driver FS110-W5- enclosed subwoofer system | M8IB5- infinite-baffle subwoofer driver M10IB5- infinite-baffle subwoofer driver M10W5- small enclosure subwoofer driver M12IB6- infinite-baffle subwoofer driver | | | M8IB5- infinite-baffle subwoofer driver M10IB5- infinite-baffle subwoofer driver M10W5- small enclosure subwoofer driver M12IB6- infinite-baffle subwoofer driver FS110-W5- enclosed subwoofer system | M8IB5- infinite-baffle subwoofer driver M10IB5- infinite-baffle subwoofer driver M10W5- small enclosure subwoofer driver M12IB6- infinite-baffle subwoofer driver FS110-W5- enclosed subwoofer system |
| | | | | | | | |
| Sport Grille (SG) | | M770-CCS- cockpit component system M770-TCS- tower component system M650-CCX- cockpit coaxial system M770-CCX- cockpit coaxial system M770-TCX- tower coaxial system M880-CCX- cockpit coaxial system M770-ETXv3- enclosed tower-mount coaxial M880-ETXv3- enclosed tower-mount coaxial | M770-CCS- cockpit component system M770-TCS- tower component system M650-CCX- cockpit coaxial system M770-CCX- cockpit coaxial system M770-TCX- tower coaxial system M880-CCX- cockpit coaxial system M770-ETXv3- enclosed tower-mount coaxial M880-ETXv3- enclosed tower-mount coaxial | | | M770-CCS- cockpit component system M770-TCS- tower component system M650-CCX- cockpit coaxial system M770-CCX- cockpit coaxial system M770-TCX- tower coaxial system M880-CCX- cockpit coaxial system * M770-ETXv3- enclosed tower-mount coaxial M880-ETXv3- enclosed tower-mount coaxial * | M770-CCS- cockpit component system M770-TCS- tower component system M650-CCX- cockpit coaxial system M770-CCX- cockpit coaxial system M770-TCX- tower coaxial system M880-CCX- cockpit coaxial system * M770-ETXv3- enclosed tower-mount coaxial M880-ETXv3- enclosed tower-mount coaxial * |

* Also available with integrated blue LED illumination

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: Color / Grille Options

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

| | | White (WH) | Titanium (TB) | | | White (WH) | Titanium (TB) | Chrome (CR) |
|---------------------|--|---|---|-------------------|--|---|---|---|
| Classic Grille (CG) | | | | Sport Grille (SG) | | | | |
| | | MX10IB3- infinite-baffle subwoofer driver | MX10IB3- infinite-baffle subwoofer driver | | | MX10IB3- infinite-baffle subwoofer driver * | MX10IB3- infinite-baffle subwoofer driver * | MX10IB3- infinite-baffle subwoofer driver * |
| | | | | | | | | |
| Sport Grille (SG) | | MX650-CCX- cockpit coaxial system MX770-CCX- cockpit coaxial system MX770-ETXv3- enclosed tower-mount coaxial | MX650-CCX- cockpit coaxial system MX770-CCX- cockpit coaxial system MX770-ETXv3- enclosed tower-mount coaxial | | | MX650-CCX- cockpit coaxial system * MX770-CCX- cockpit coaxial system * MX770-ETXv3- enclosed tower-mount coaxial * | MX650-CCX- cockpit coaxial system * MX770-CCX- cockpit coaxial system * MX770-ETXv3- enclosed tower-mount coaxial * | MX650-CCX- cockpit coaxial system * MX770-CCX- cockpit coaxial system * MX770-ETXv3- enclosed tower-mount coaxial * |

* Also available with integrated blue LED illumination

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.

| Model | Description | | | | | | Grille Options* | Color Options* | Available Blue LED Option for Sport Grilles | Recommended RMS Amplifier Power*** | System Efficiency | System Frequency Response | |
|---------------------------------|---|-------------------|-----------------|-----------------|----------------------------------|--------------------------|-----------------------------------|--------------------------------|--|------------------------------------|-------------------------------------|--|---------------------------|
| Marine Cockpit Speaker Systems | | | | | | | | | | | | | |
| MX650-CCX- | 4 ohm, 6.5 in. / 165 mm woofers with grille-mounted 0.75 in. / 19 mm silk dome tweeters. IMPORTANT: These speakers are direct, drop-in replacements for most "marine 6.5-inch" speakers | | | | | | -CG or -SG | -WH, -TB or -CR | Yes | 15 - 100 Watts | 89 dB @ 1W/1m | 55 Hz - 25 KHz ± 3 dB | |
| MX770-CCX- | 4 ohm, 7.7 in. / 196 mm woofers with grille-mounted 0.75 in. / 19 mm silk dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. | | | | | | -CG or -SG | -WH, -TB or -CR | Yes | 25 - 150 Watts | 90.5 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB | |
| M650-CCX- | 4 ohm, 6.5 in. / 165 mm woofers with grille-mounted 1.0 in. / 25 mm dome tweeters. IMPORTANT: These speakers have a narrower flange and a smaller bolt hole circle than a standard "marine 6.5-inch" speakers. | | | | | | -CG or -SG | -WH or -TB | No | 25 - 150 Watts | 89.5 dB @ 1W/1m | 55 Hz - 25 KHz ± 3 dB | |
| M770-CCX- | 4 ohm, 7.7 in. / 196 mm woofers with grille-mounted 1.0 in. / 25 mm dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. | | | | | | -CG or -SG | -WH or -TB | No | 40 - 175 Watts | 91.0 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB | |
| M770-CCS- | 4 ohm, 7.7 in. / 196 mm woofers with separate 1.0 in. / 25 mm dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. | | | | | | -CG or -SG | -WH or -TB | No | 40 - 175 Watts | 91.0 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB | |
| M880-CCX- | 4 ohm, 8.8 in. / 224 mm woofers with grille-mounted 1.2 in. / 30 mm dome tweeters. Twice the cone area of a conventional 6.5 in speaker! | | | | | | -CG or -SG | -WH or -TB | Yes | 50 - 250 Watts | 90.5 dB @ 1W/1m | 38 Hz - 20 KHz ± 3 dB | |
| Marine Tower Speaker Systems | | | | | | | | | | | | | |
| M770-TCX- | 4 ohm, 7.7 in. / 196 mm woofers with grille-mounted 1.0 in. / 25 mm dome tweeters Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. | | | | | | -CG or -SG | -WH or -TB | No | 40 - 175 Watts | 91.0 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB Measured in 0.5 cu. ft. / 14.2 liters net enclosure | |
| M770-TCS- | 4 ohm, 7.7 in. / 196 mm woofers with separate 1.0 in. / 25 mm dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. | | | | | | -CG or -SG | -WH or -TB | No | 40 - 175 Watts | 91.0 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB Measured in 0.5 cu. ft. / 14.2 liters net enclosure | |
| Marine Enclosed Speaker Systems | | | | | | | | | | | | | |
| PS650-VeX-SG- | 4 ohm, 6.5 in. / 165 mm woofers with grille-mounted 0.75 in. / 19 mm silk dome tweeters. Mounting hardware sold separately. See chart on pg 30 for options. | | | | | | -SG | -WGW or -TMB | Yes | 60 - 100 Watts | 89.5 dB @ 1W/1m | 100 Hz - 25 KHz ± 3 dB Measured in its enclosure | |
| MX770-ETXv3- | 4 ohm, 7.7 in. / 196 mm woofers with grille-mounted 0.75 in. / 19 mm silk dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. Mounting hardware sold separately. See chart on pg 30 for options. | | | | | | -CG or -SG | -WH or -TB | Yes | 25 - 150 Watts | 90.5 dB @ 1W/1m | 55 Hz - 25 KHz ± 3 dB Measured in its enclosure | |
| M770-ETXv3- | 4 ohm, 7.7 in. / 196 mm woofers with separate 1.0 in. / 25 mm dome tweeters. Oversize 7.7-inch design delivers higher output and better bass response than 6.5-inch marine speakers. Mounting hardware sold separately. See chart on pg 30 for options. | | | | | | -CG or -SG | -WH or -TB | No | 40 - 175 Watts | 91.0 dB @ 1W/1m | 45 Hz - 25 KHz ± 3 dB Measured in its enclosure | |
| M880-ETXv3- | 4 ohm, 8.8 in. / 224 mm woofers with grille-mounted 1.2 in. / 30 mm dome tweeters. Mounting hardware sold separately. See chart on pg 30 for options. | | | | | | -CG or -SG | -WH or -TB | Yes | 125 - 250 Watts | 90.5 dB @ 1W/1m | 38 Hz - 20 KHz ± 3 dB Measured in its enclosure | |
| Model | Nominal Diameter | Mounting Depth | Grille Options* | Color Options* | One-Way, Linear Excursion (Xmax) | Nominal Impedance (Znom) | Recommended RMS Amplifier Power** | Continuous Power Handling (Pt) | Recommended Sealed Enclosure Range | | Recommended Ported Enclosure Range | | |
| Marine Subwoofers | | | | | | | | | | | | | |
| MX10IB3- | 10 in. / 250 mm | 5.02 in. / 128 mm | -CG or -SG | -WH, -TB or -CR | 0.41 in. / 10.4 mm | 4 ohm | 55W-175W | 175W | Minimum: 1.25 cu. ft. / 35.4 liters Optimum: 2.00 cu. ft. / 56.6 liters or larger | | N/A | | |
| M8IB5- | 8.0 in. / 200 mm | 5.18 in / 132 mm | -CG or -SG | -WH or -TB | 0.53 in. / 13.5 mm | 4 ohm | 50W-200W | 200W | 1.50 cu. ft. / 42.5 liters | | 1.50 cu. ft. / 42.5 liters | | |
| M10W5- | 10 in. / 250 mm | 5.93 in / 151 mm | -CG or -SG | -WH or -TB | 0.47 in. / 11.9 mm | 4 ohm | 75W-250W | 250W | 0.50-1.00 cu. ft. / 14.2-28.3 liters | | 0.90-1.40 cu.ft. / 25.5-40.0 liters | | |
| M10IB5- | 10 in. / 250 mm | 5.93 in. / 151 mm | -CG or -SG | -WH or -TB | 0.52 in. / 13.2 mm | 4 ohm | 75W-250W | 250W | Minimum: 1.25 cu. ft. / 35.4 liters Optimum: 2.00 cu. ft. / 56.6 liters or larger | | N/A | | |
| M12IB6- | 12 in. / 300 mm | 8.05 in / 204 mm | -CG or -SG | -WH or -TB | 0.73 in. / 18.5 mm | 4 ohm | 200W-600W | 600W | Minimum: 2.0 cu ft / 56.6 liters or larger Optimum: 3.0 cu ft / 70.8 liters | | N/A | | |
| Marine Enclosed Subwoofer | | | | | | | | | | | | | |
| FS110-W5- | 10 in. / 250 mm | N/A | -CG -SG | -WH -TB | 0.47 in. / 11.9 mm | 4 ohm | 75W-250W | 250W | N/A | | N/A | | |
| Model | Description | | | | | | Grille Options* | Color Options* | Left or Right | Recommended RMS Amplifier Power*** | System Efficiency | System Nominal Impedance | System Frequency Response |
| 3-Way Enclosed Speaker Systems | | | | | | | | | | | | | |
| M103EWS- | Enclosed 3-Way Weatherproof Subwoofer/Satellite Large format enclosed subwoofer/satellite systems for high-output applications requiring a weatherproof solution. Requires bi-amplification. | | | | | | -CG | -WH | -L or -R | 100 Watts 250 Watts | 91.0 dB @ 1W/1m | 4 ohms | 30 Hz - 25 KHz ± 3 dB |

* **Grille & Color Options:** Styles: Classic Grille (-CG) / Sport Grille (-SG) • Colors: White (-WH) / Titanium combination (-TB) • (-CR) **Chrome is available on Sport Grille for MX-Series only.** • VeX™ Colors: White/Gloss White (-WGW); Titanium/Matte Black (-TMB). Refer to illustrated chart on page 29 to see the grille and color options.

** **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 less than the recommended power range will not damage the speakers, but may result in unsatisfactory performance. Use of more power than recommended will compromise reliability with aggressive use and will void the warranty.

| Model | Description | Continuous Power (RMS Method) | THD+N at Rated Power | S/N Ratio | Frequency Response | Damping Factor | Dimensions H x W x D |
|-----------------------------|--|--|-------------------------|---|---|---|---|
| MHD Amplifiers | | | | | | | |
| MHD600/4 * | Class D, 4-Channel Full-Range Marine Amplifier | 150W x 4 @ 1.5 - 4 ohms Bridged: 300W x 2 @ 3 - 8 ohms (Ratings at 11V–14.5V supply voltage) | <0.03% | >110 dBA referred to rated power | 6 Hz - 30 kHz (+0, -1dB) | >300 @ 4 ohm per ch. / 50 Hz >150 @ 2 ohm per ch. / 50 Hz | 1.93 in. x 10.74 in. x 8.29 in. 49 mm x 273 mm x 211 mm |
| MHD750/1 | Class D, Monoblock Wide-Range Marine Amplifier | 750W x 1 @ 1.5 - 4 ohms (Rating at 11V–14.5V supply voltage) | <0.03% | >110 dBA referred to rated power | 6 Hz - 8 kHz (+0, -1dB) | >300 @ 4 ohm / 50 Hz >150 @ 2 ohm / 50 Hz | 1.93 in. x 10.74 in. x 8.29 in. 49 mm x 273 mm x 211 mm |
| MHD900/5 * | Class D, 5-Channel Marine System Amplifier | Five-Channel Mode: 100W x 4 + 500W x 1 @ 4 ohms per ch. 75W x 4 + 500W x 1 @ 2 ohms per ch. Three-Channel Mode: 150W x 2 + 500W x 1 @ 4 ohms per ch. (Ratings at 11V–14.5V supply voltage) | <0.03% | >110 dBA referred to rated power | 6 Hz - 30 kHz (+0, -1dB) | Subwoofer Channel: >500 @ 4 ohm / 50 Hz >250 @ 2 ohm / 50 Hz | 1.93 in. x 10.74 in. x 8.29 in. 49 mm x 273 mm x 211 mm |
| M-Series Amplifiers | | | | | | | |
| M600/1 | Class D, Monoblock Marine Subwoofer Amplifier | 400W RMS x 1 @ 4 ohms 600W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage) | 1% | >87 dB referred to rated power | 7 Hz - 500 Hz (+0, -1dB) | >1000 @ 4 ohms / 50 Hz >500 @ 2 ohms / 50 Hz | 2.05 in. x 8.52 in. x 7.09 in. 52 mm x 217 mm x 180 mm |
| M1000/1v2 | Class D, Monoblock Marine Subwoofer Amplifier | 600W RMS x 1 @ 4 ohms 1000W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage) | <1% | >53 dB referred to rated power | 7 Hz - 500 Hz (+0, -1dB) | >1000 @ 4 ohms / 50 Hz >500 @ 2 ohms / 50 Hz | 2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm |
| M200/2 | Class D, Full-Range 2-Channel Marine Amplifier | 75W RMS x 2 @ 4 ohms 100W RMS x 2 @ 2 ohms Bridged: 200W RMS x 1 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >104 dB referred to rated power | 12 Hz - 22 kHz (+0, -1dB) | >150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms per ch. / 50 Hz | 2.05 in. x 6.85 in. x 7.09 in. 52 mm x 174 mm x 180 mm |
| M400/4 * | Class D, Full-Range 4-Channel Marine Amplifier | 75W RMS x 4 @ 4 ohms 100W RMS x 4 @ 2 ohms Bridged: 150W RMS x 2 @ 8 ohms Bridged: 200W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >104 dB referred to rated power | 12 Hz - 22 kHz (+0, -1dB) | >150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms per ch. / 50 Hz | 2.05 in. x 8.52 in. x 7.09 in. 52 mm x 217 mm x 180 mm |
| M600/6 * | Class D, Full-Range 6-Channel Marine Amplifier | 75W RMS x 6 @ 4 ohms 100W RMS x 6 @ 2 ohms Bridged: 150W RMS x 3 @ 8 ohms Bridged: 200W RMS x 3 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >104 dB referred to rated power | 12 Hz - 22 kHz (+0, -1dB) | >150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohm per ch. / 50 Hz | 2.05 in. x 10.23 in. x 7.09 in. 52 mm x 260 mm x 180 mm |
| M800/8v2 * | Class D, Full-Range 8-Channel Marine Amplifier | 75W RMS x 8 @ 4 ohms 100W RMS x 8 @ 2 ohms Bridged: 150W RMS x 4 @ 8 ohms Bridged: 200W RMS x 4 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >104 dBA referred to rated power | 12 Hz - 22 kHz (+0, -1dB) | >150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms per ch. / 50 Hz | 2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm |
| M500/3 | Class D, Full-Range 3-Channel Marine Amplifier | 75W RMS x 2 + 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 2 + 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage) | <1% | >104 dBA referred to rated power (main channels); >87 dBA referred to rated power (sub channel) | Main Channels: 12 Hz - 22 kHz; Sub Channel: 7 - 500 Hz (+0, -1dB) | Subwoofer Channel: >120 @ 4 ohm / 50 Hz >60 @ 2 ohm / 50 Hz | 2.05 in. x 8.52 in. x 7.09 in. 52 mm x 217 mm x 180 mm |
| M700/5 | Class D, Full-Range 5-Channel Marine Amplifier with 2-Way / 3-Way Crossover | 75W RMS x 4 + 180W RMS x 1 @ 4 ohms per ch. 100W RMS x 4 + 300W RMS x 1 @ 2 ohms per ch. (Ratings at 14.4V supply voltage) | <1% | >104 dB referred to rated power | 12 Hz - 22 kHz (+0, -1dB) | >150 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms per ch. / 50 Hz | 2.05 in. x 10.23 in. x 7.09 in. 52 mm x 260 mm x 180 mm |
| M1000/5v2 | Class D, Full-Range 5-Channel Marine Amplifier with 2-Way / 3-Way Crossover | 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 Ch., 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) | <1% | >104 dBA referred to rated power (main channels); >100 dBA referred to rated power (sub channel) | Main Channels: 12 Hz - 22 kHz Sub Channel: 10 Hz - 1 kHz (+0, -1dB) | Subwoofer Channel: >150 @ 4 ohm / 50 Hz >75 @ 2 ohm / 50 Hz | 2.05 in. x 14.73 in. x 7.09 in. 52 mm x 374 mm x 180 mm |
| MX-Series Amplifiers | | | | | | | |
| MX300/1 | Monoblock Class D Wide-Range Amplifier | 160W RMS x 1 @ 4 ohms 300W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage) | <1% | >85 dB referred to rated power | 20 Hz - 12 kHz (+0, -1dB) | >150 @ 4 ohms / 50 Hz >75 @ 2 ohms / 50 Hz | 1.77 in. x 8.66 in. x 3.09 in. 45 mm x 220 mm x 78.5 mm |
| MX500/1 | Monoblock Class D Wide-Range Amplifier | 300W RMS x 1 @ 4 ohms 500W RMS x 1 @ 2 ohms (Ratings at 14.4V supply voltage) | <1% | >97 dB referred to rated power | 20 Hz - 12 kHz (+0, -1dB) | >115 @ 4 ohms / 50 Hz >54 @ 2 ohms / 50 Hz | 1.77 in. x 9.33 in. x 4.50 in. 45 mm x 237 mm x 114.5 mm |
| MX280/4 | 4-Channel Class D Full-Range Amplifier | 50W RMS x 4 @ 4 ohms 70W RMS x 4 @ 2 ohms Bridged: 140W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >89.5 dB referred to rated power | 20 Hz - 20 kHz (+0, -1dB) | >60 @ 4 ohms per ch. / 50 Hz >75 @ 2 ohms 30 ch. / 50 Hz | 1.77 in. x 8.66 in. x 3.09 in. 45 mm x 220 mm x 78.5 mm |
| MX500/4 | 4-Channel Class D Full-Range Amplifier | 70W RMS x 4 @ 4 ohms 125W RMS x 4 @ 2 ohms Bridged: 250W RMS x 2 @ 4 ohms (Ratings at 14.4V supply voltage) | <1% | >88 dB referred to rated power | 20 Hz - 20 kHz (+0, -1dB) | >92 @ 4 ohms per ch. / 50 Hz >43 @ 2 ohms per ch. / 50 Hz | 1.77 in. x 9.33 in. x 4.50 in. 45 mm x 237 mm x 114.5 mm |

* 24V Versions Also Available: MHD600/4-24V, MHD900/5-24V, M400/4-24V, M600/6-24V and M800/8-24V



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