

What's Included

- (1) MM80-HR
- (1) Wire harness
- (4) Stainless steel mounting screws
- (1) NMEA 2000® drop cable (6.3 ft / 1.92 m)
- (1) NMEA 2000® T-connector
- (1) User manual

Product Description

The MM80-HR is a hideaway marine source unit designed for use with NMEA 2000® networks. Audio system control functionality is provided using compatible multi-function displays (MFD) and can vary by MFD. Refer to your MFD manufacturer for device compatibility information.

Installation Applications

This product is designed for operation with 12 volt, negative-ground electrical systems. Using this product in systems with positive ground and/or voltages other than 12V may result in damage to the product and will void the warranty. This product is not certified or approved for use in aircraft.

Safety Considerations

- Install this product in a dry, well-ventilated location that does not interfere with other vessel safety or electronic devices.
- While this product is designed to be water-resistant, it should never be submerged under water or exposed to heavy spray/splashing.
- Do not mount this product in the engine compartment or in any areas of extreme heat.
- Securely mount this product so that it does not come loose in the event of a collision/sudden jolt or as a result of repeated vibrations during normal operation.
- Check before drilling to make sure that you will not be drilling into an exterior panel/hull, fuel tank, gas/brake line, wiring harness, or other vital system.
- Do not run system wiring outside or underneath the vessel. This is an extremely dangerous practice, which can result in severe damage/injury.
- Protect all system wires from sharp edges (metal, fiberglass, etc.) by carefully routing them, tying them down and using grommets and loom where appropriate.
- Secure all wiring as needed, using cable ties or wire clamps to protect them from moving parts and sharp edges.

Control Functions

Audio system control functionality of your MM80-HR is provided using compatible multi-function displays (MFD) and can vary by MFD. Refer to your MFD manufacturer for device compatibility information.

Panel Connections

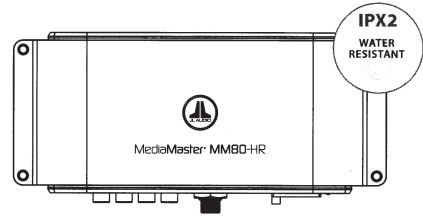
Remaining connection points are designed to interface with audio equipment, media devices and vessel networks. Depending on your specific equipment, you may or may not use all of the connections. Carefully plan the layout of your system prior to routing wires and making connections. Refer to the table below for additional info.

Label	Description	Connection
FM ANT	Antenna	Connect to Motorola® style antenna
AUX IN 1	White RCA	Left Channel Signal Input / Auxiliary 1
	Red RCA	Right Channel Signal Input / Auxiliary 1
AUX IN 2	White RCA	Left Channel Signal Input / Auxiliary 2
	Red RCA	Right Channel Signal Input / Auxiliary 2
Zone 1 OUT	White RCA	Left Channel Signal Output / Zone 1
	Red RCA	Right Channel Signal Output / Zone 1
Zone 3 OUT	White RCA	Left Channel Signal Output / Zone 3
	Red RCA	Right Channel Signal Output / Zone 3
NMEA 2K	Red, 5-pin NMEA 2K Micro-C Connector	Connect to NMEA 2000® network (LEN 1)
USB (1)	USB Type-A	Connect to USB storage device or media player
USB (2)		

OWNER'S MANUAL

MediaMaster® MM80-HR

Hideaway Marine Source Unit

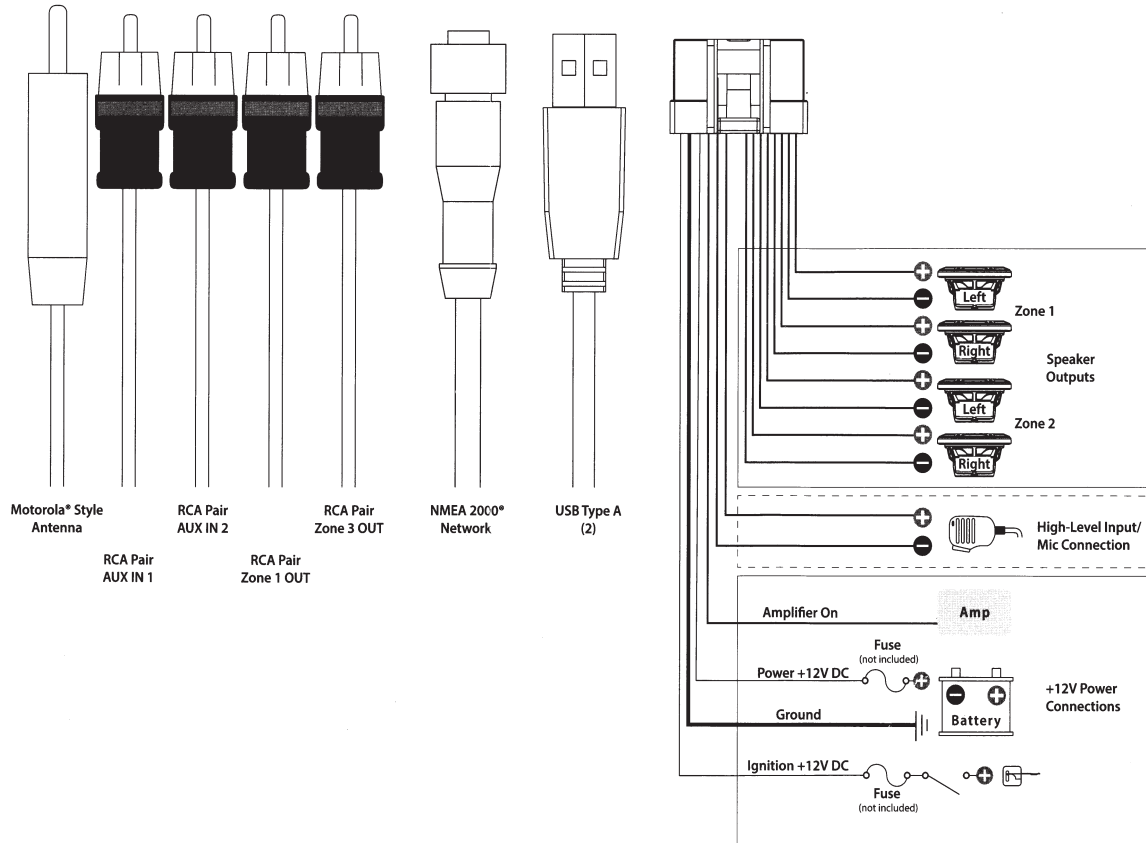
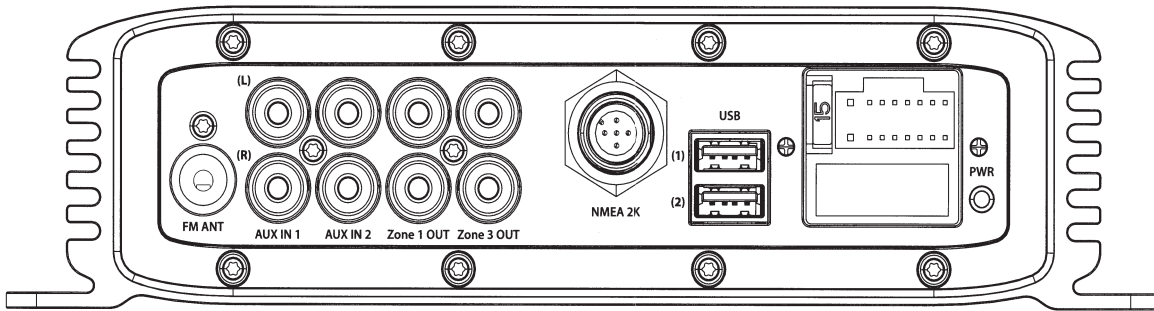


Thank you for purchasing a JL Audio MediaMaster® Source Unit for your sound system.

Your product has been designed and manufactured to exacting standards in order to ensure years of musical enjoyment. For maximum performance, we highly recommend that you have your MM80-HR installed by an authorized JL Audio dealer. Your authorized dealer has the training, expertise and installation equipment to ensure optimum performance from this product. Due to the complexity of modern marine electrical systems, we do not recommend self-installation unless you have extensive experience in marine electrical systems. Should you decide to install the amplifier yourself, please take the time to read this manual thoroughly to familiarize yourself with its installation requirements and setup procedures.

If you have any questions regarding the instructions in this manual or any aspect of the product's operation, please contact your authorized JL Audio dealer for assistance. If you need further assistance, please contact the JL Audio Technical Support Department at technical@jlaudio.com or call (954) 443-1100 during business hours.





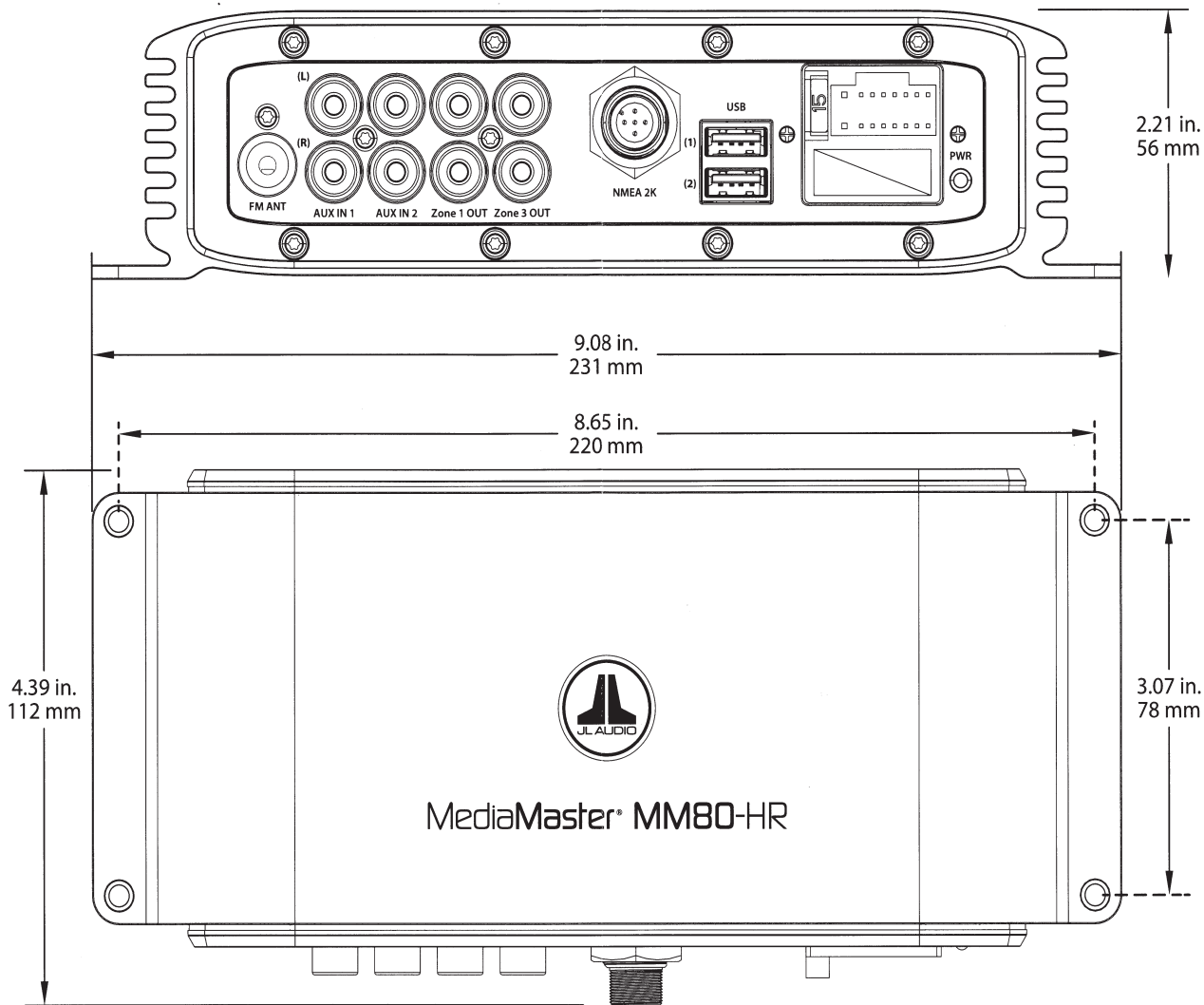
Wiring Harness Connections

All connections are made along the lower end panel of the MM80-HR. The 14-pin plug with wire leads is used to make power and speaker related connections. Carefully plan the layout of your system prior to routing wires and making connections. Refer to the table below when making connections.

IMPORTANT

Disconnect the NEGATIVE battery post connection and secure the disconnected cable to prevent accidental reconnection. This is an essential safety precaution during installation!

Label	Wire Color	Connection
POWER +12V DC	Red	Connect to the positive (+12V) battery post. Always install an appropriate fuse within 18 inches (45 cm) of a +12V connection. If this is the only device using the connection point, use a 15 amp fuse.
IGNITION +12V DC	Yellow	Connect to a switched positive (+12V) source. This can be an ignition controlled, accessory circuit or a vessel battery equipped with a main disconnect switch. Always install an appropriate fuse within 18 inches (45 cm) of a +12V connection. If this is the only device using the connection point, use a 5 amp fuse.
GROUND	Black	Connect to a clean, solid metal grounding point or to the NEGATIVE battery post. Ideally, the +12V DC and Ground connections of the source unit and amplifiers should be made at the same location to minimize noise.
AMPLIFIER ON	Blue/White	This wire provides a positive (+12V) turn-on voltage to activate aftermarket amplifiers.
ZONE 1 LEFT SPEAKER	White	(+) Positive Front Left Speaker Output
	White/Black	(-) Negative Front Left Speaker Output
ZONE 1 RIGHT SPEAKER	Grey	(+) Positive Front Right Speaker Output
	Grey/Black	(-) Negative Front Right Speaker Output
ZONE 2 LEFT SPEAKER	Green	(+) Positive Rear Left Speaker Output
	Green/Black	(-) Negative Rear Left Speaker Output
ZONE 2 RIGHT SPEAKER	Purple	(+) Positive Rear Right Speaker Output
	Purple/Black	(-) Negative Rear Right Speaker Output
HIGH LEVEL INPUT	Brown	(+) Positive High Level / MIC Input
	Brown/White	(-) Negative High Level / MIC Input



Specifications

General	
Operating Voltage	10 - 16V DC
Current Draw	Standby: 5 mA / Maximum: 15 A
Fuse Value	15 A
NMEA 2000* LEN	1
Temperature Range	Operating: -4 F to +140 F (-20 C to +60 C) Storage: -22 F to +185 F (-30 C to +85 C)
Water Resistance Rating	IPX2
Compliance	FCC Part B, subpart J; CE per EN 60945; C-Tick
Dimensions	9.08 in. x 4.39 in. x 2.21 in. (231 mm x 112 mm x 56 mm)
Weight	1.96 lbs (0.88 kg)
Audio Outputs/Inputs	
AUX In 1, AUX In 2 and MIC/High Level Input Sensitivity	1V RMS
Zone 1 & Zone 3 RCA Outputs	2V RMS
Zone 1 & Zone 2 Speaker Outputs	30W RMS x 4 @ 4 Ω
Frequency Response	20 Hz - 20 kHz
S/N Ratio	95 dB (Referred to 1 W)
Total Harmonic Distortion	<1% @ 4 Ω (Referred to 1 W, 4 Ω load, 20 Hz - 20 kHz)
Tuner	
FM Tuner	US: 87.9 to 107.9 MHz EU: 87.5 to 108.0 MHz JPN: 76.0 to 90.0 MHz
AM Tuner	US: 530 to 1710 kHz EU: 531 to 1611 kHz
Bluetooth®	
Profile	A2DP, AVRCP, PBAP, HSP
Core Specification	v4.0
Codec	SBC
Connection Range:	Up to 35 ft / 11 m
USB	
Interface	v1.1, v2.0
Maximum Charge Capacity	1 A
File Support Type	FAT16, FAT32, NTFS
Apple Compatibility	iPhone5 / iPod Touch 5 and beyond

IPX2 Water Resistance Rating

This product has been tested to withstand dripping water when rotated 15 degrees in any direction from vertical for at least 10 minutes. Note - while designed to be water resistant, this product should never be submerged under water or exposed to heavy spray/splashing that exceeds its rating.

Marine Entertainment System

Hardware Version: VR05

Max output power: 6.57dBm

Frequency Range: 2402MHz to 2480MHz

Regulatory Statements

This device:

- complies with CE under RED directive 2014 / 53 / EU.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada IC RSS-GEN, Sec 7.1.3 Warning Statement

(Required for license-exempt devices.)

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

Warning

The user is cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that of the receiver
- Consult the dealer or an experienced technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Countries of intended use in the EU

AT - Austria	EE - Estonia	IT - Italy	PL - Poland
BE - Belgium	ES - Spain	LI - Liechtenstein	PT - Portugal
BG - Bulgaria	FI - Finland	LT - Lithuania	RO - Romania
CH - Switzerland	FR - France	LU - Luxembourg	SE - Sweden
CY - Cyprus	GR - Greece	LV - Latvia	SI - Slovenia
CZ - Czech Republic	HU - Hungary	MT - Malta	SK - Slovakia
DE - Germany	IE - Ireland	NL - Netherlands	TR - Turkey
DK - Denmark	IS - Iceland	NO - Norway	UK - United Kingdom

Limited Warranty – Electronics (USA)

JL Audio warrants this product to be free of defects in materials and workmanship for a period of **two (2) years** from the original date of purchase. This warranty is not transferable and applies only to the original purchaser from an authorized JL Audio dealer. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction, JL Audio will (at its discretion), repair or replace the defective product with new or remanufactured product at no charge. Damage caused by the following is not covered under warranty: accident, misuse, abuse, product modification or neglect, failure to follow installation instructions, unauthorized repair attempts, misrepresentations by the seller. This warranty does not cover incidental or consequential damages and does not cover the cost of removing or reinstalling the unit(s). Cosmetic damage due to accident or normal wear and tear is not covered under warranty.

Warranty is void if the product's serial number has been removed or defaced.

Any applicable implied warranties are limited in duration to the period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties, therefore these exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

If you need service on your JL AUDIO product:

All warranty returns should be sent to JL Audio 's Electronics Service Facility freight-prepaid through an authorized JL Audio dealer and must be accompanied by proof of purchase (a copy of the original sales receipt). Direct returns from consumers or non-authorized dealers will be refused unless specifically authorized by JL Audio with a valid return authorization number. Warranty expiration on products returned without proof of purchase will be determined from the manufacturing date code. Coverage may be invalidated as this date is previous to purchase date. Non-defective items received will be returned freight-collect. Customer is responsible for shipping charges and insurance in sending the product to JL Audio. Freight damage on returns is not covered under warranty.

For Service Information in the U.S.A. please call

JL Audio Customer Service:

(954) 443-1100

9:00 AM – 5:30 PM (Eastern Time Zone)

JL Audio, Inc.

10369 North Commerce Pkwy.

Miramar, FL 33025

(Do not send product for repair to this address)

International Warranties:

Products purchased outside the United States of America are covered only by that country's distributor and not by JL Audio, Inc.