MEMPHIS XTREME AUDIO

MX

MEMPHIS AUDIO SINCE 1965

ENGINEERED TO RESIST WATER & ELEMENTS

POWERSPORTS MINI AMPLIFIERS

MX150.2-24V INSTRUCTION GUIDE

MEMPHISCARAUDIO.COM

MEMPHIS AUDIO SINCE 1965

MX MEMPHIS XTREME AUDIO

READY TO TURN IT UP? READ THIS FIRST!

Memphis Audio built a 50 year legacy in the audio industry by engineering the highest quality products to produce the best possible listening experience for our fans and loyal supporters. To fully appreciate our products we recommend taking the time to read and follow the instructions in this manual. As always, we recommend all installations and service be performed by an authorized Memphis Audio dealer.

For optimal performance, Memphis recommends using only Memphis Connection accessories. Outfitting your system with properly sized Memphis Connection wire and accessories will dramatically boost your listening experience and increase the durability of your Memphis Audio products.

Memphis Xtreme Audio amplifiers are engineered to withstand the elements. These amplifiers feature a sealed designed and meet or exceed IP66 certification for water resistance. The ultra-compact design allows for these amplifiers to be mounted in virtually any location making them ideal for powersports and marine applications where space is limited.

FEATURES

- Sealed gain pots and harness
- IP66 rated
- Ultra-small micro amp design
- Perfect for Powersports applications
- Black textured heatskink
- Injection molded end plates
- DC: 8V-24V RANGE VOLTAGE

SPECIFICATIONS

MODEL NUMBER	MX150.2-24V
RMS POWER / CH @ 2 Ω	75w x 2
THD	<10%
Signal / Noise Ratio	-87dB
Frequency Response +/- 0.5dB	60Hz-20kHz
Dimensions (in)	4.8 x 3.2 x 1.5
Input Range	450mV-4.5V

Features and specs are subject to change without warning.

Please consult with your local authorized dealer if you experience issues with your unit. You may also contact Memphis Audio customer service at 800-489-2300 or email tech support directly at: techsupport@memphiscaraudio.com. Do not attempt to return your amplifier directly to us without first calling for a return authorization number. Units received without an accompanying return authorization number will be processed more slowly. Additionally, you must include a copy of your purchase receipt from an authorized dealer for consideration of in-warranty service, otherwise, repair charges will apply. Units received without a receipt will be held for up to 30 days allowing us time to contact you and obtain a copy of the receipt. After 30 days, all units will be returned to you unrepaired.

WARRANTY

MEMPHIS XTREME AUDIO AMPLIFIER LIMITED WARRANTY:
This product has a 2 year warranty from the date of purchase for defects in material or workmanship. This warranty will extend to 3 years when installed by an authorized Memphis Audio dealer using Memphis Connection products. The warranty is void if the product has been physically damaged by improper usage or abuse. If repairs are attempted outside of Memphis Audio facility, the warranty is void.

This warranty is limited to the original retail purchaser and does not cover expenses incurred in the removal or re-installation of the product. This warranty does NOT apply to product exterior and cosmetics. Memphis Audio disclaims any liability for incidental or consequential damages caused by product defects. Memphis Audio liability will not exceed the purchase price of the product and the warranty period specified.

WHAT IS NOT COVERED UNDER WARRANTY:
- Damage due to improper installation
- Damage cause by exposure to moisture, excessive heat, chemical cleaners and/or UV radiation
- Damage through negligence, misuse, accident or abuse. (Repeated returns for the same damage may be considered abuse)
- Product damaged in accident and/or due to criminal activity
- Service performed by anyone other than Memphis Audio
- Subsequent damage to other components
- Any cost or expense related to the removal or re-installation of product
- Products with tampered, missing, altered or defaced serial numbers/labels
- Freight damage
- The cost of shipping product to Memphis Audio
- Return shipping on non defective items
- Any product not purchased from an authorized Memphis Audio dealer

Some states do not allow the exclusion or limitation of incidental consequential damages. The above limitations or exclusions may not apply to you. This warranty gives you specific rights, you may have other rights which vary from state to state.

If warranty service is required, a return authorization number is required to return the product to Memphis Audio. Warranty shipments to Memphis Audio are the responsibility of the purchaser. Pack the product carefully in the original carton if possible. Memphis Audio will not be responsible for damages incurred in shipment or due to improper packing materials used by the purchaser.

If determined to be within warranty, your product will be repaired or replaced at the discretion of Memphis Audio.

800.489.2300
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Memphis,TN, USA

@MEMPHISAUDIO

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INSTALLATION INFORMATION

Memphis Audio recommends the installation of our products to be performed by an authorized dealer. Attempting an installation project on your own or through an unauthorized source may result in damage to your products and may potentially void your warranty.

MX amplifiers were engineered to resist the elements. This does not mean this unit is fully waterproof. When choosing a mounting location, we recommend locating an area of your vehicle that remains dry and does not get submerged in water.

For your safety, always inspect the mounting location carefully to ensure you are not drilling into any electrical, hydraulic, fuel or fluid lines. Always check your speaker load with a multi-meter before connecting the amplifier. Connecting any speaker load lower than the rated impedance of the amplifier will result in damage to the amplifier. Damage of this nature is NOT covered under the warranty. Please pay close attention to what connections are made to the amplifier.

If you are uncertain or uncomfortable proceeding with your installation, please contact your local authorized Memphis Audio dealer.

TROUBLESHOOTING

When troubleshooting your amplifier, the following should be tested first.

NO OUTPUT
- Confirm all wiring is firmly connected. Both +12V and REM terminal must have +12V present and GND must be connected to the chassis ground or the negative battery terminal.
- Confirm the signal source is connected and is supplying an output signal. To confirm the amp is working, connect an RCA patch cord to the line inputs of the amplifier. Do not connect the other end of the patch cord. Briefly tap the center pin of each disconnected RCA with your finger. This should produce a noise (brief static or hum) in the speakers.
- If the amp is hot, check the speaker impedance or load. The total minimum impedance of all speakers should not be lower than the rating of the amp.

ONLY ONE CHANNEL WORKS:
- Confirm the speaker terminal strip connections are firmly connected
- Check "balance" control on your signal source
- If using RCA low-level inputs, reverse the input plugs at the amplifier. If the channel that is silent reverses position, the problem is in the source unit or connecting cable.

WEAK OUTPUT
- Check input sensitivity control adjustment.

UNWANTED NOISE
- Whine that increases and decreases with engine speed - Confirm the amp & source unit are grounded properly.
- Clicking or popping noise at a rate that follows engine speed - This is often induced by the vehicles ignition system. Confirm that the vehicle is equipped with resistor spark plugs and wires. The ignition system may need service
- Noise can be caused by routing speaker input wires too close to the light wires and other accessory wires in the vehicle. Re-route wires to avoid unwanted interference.
- If above steps do not improve/reduce noise, the system should be checked by a professional audio installer at a Memphis authorized dealer.

RED LED IS ILLUMINATED
- Speaker wire is shorted
- Battery voltage too high
- Battery voltage too low
- Amplifier has overheated due to improper ventilation

POWER SUPPLY CONNECTIONS

Use conventional stranded copper wire for all connections. Finish the ends of the wire at the amp and vehicle with proper size terminals. Poorly made connections and/or inadequate wire size will generate excessive heat and may lead to equipment failure.

12 VOLT + CONNECTION

Make the 12V+ connection directly at the positive battery post using the proper size and fuse listed below. The fuse should be installed within 18" of the battery. This fuse is vital to protecting the vehicle from damage in the case of a dead short. The fuse value at the battery should be at least equal to the total fuse value of all the amplifiers being used.

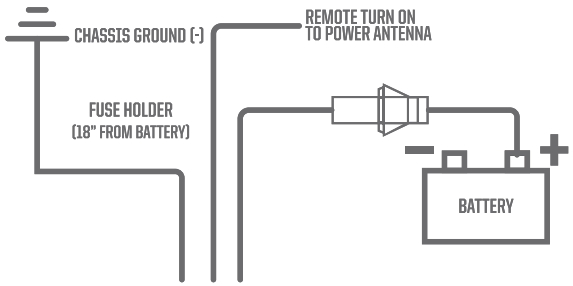
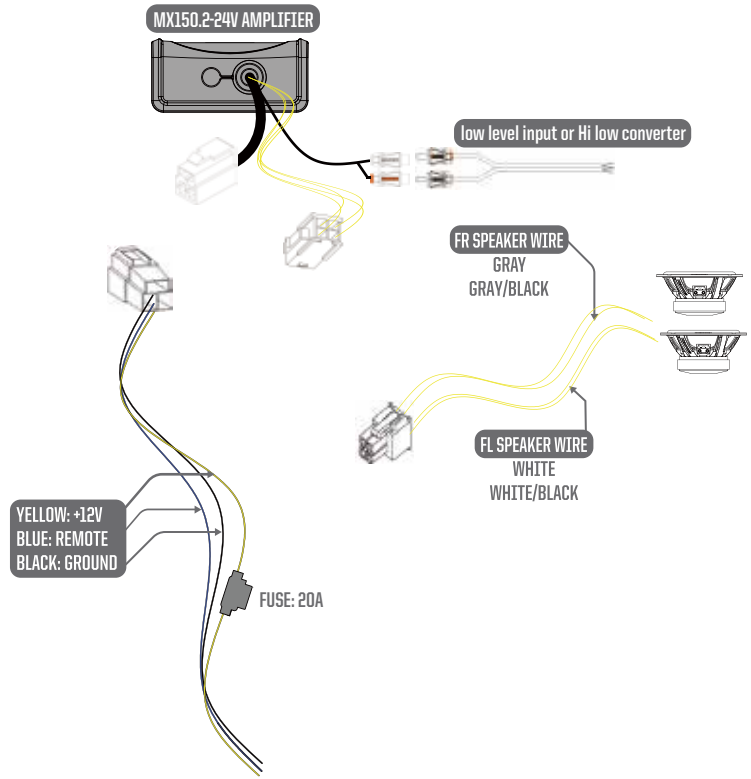
GROUND CONNECTION

Make ground connection directly to the chassis of the vehicle as close to the amp as possible. Make sure this connection is made with the same wire size as used for the 12-volt connection. Ensure that all dirt, grease, paint and coatings are removed prior to attaching the ground wire to the chassis.

REMOTE TURN ON

Remote turn on should be connected to the source unit's remote turn on lead or antenna output wire. When using the antenna wire, make certain it does not lose power when any source other than the radio is selected.

POWER CONNECTIONS



MX150.2-24V - MX 2 CHANNEL AMPLIFIERS