



MME10TSP & MME10T24

MARINE GRADE BASS SYSTEM & ENCLOSURE

MEMPHIS MARINE

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 the installations and services to be performed by an authorized Memphis Audio dealer.

TIP



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.

Features

MME10T24 // NON POWERED ENCLOSURE

- HDPE Rotomolded enclosure
- Die cast aluminum mounting feet
- Dual 10" passive radiator for increased low end output
- Integrated RGB lighting
- Impact resistant ABS grills
- FLEX™ Selectable Impedance Technology 2Ω or 4Ω

MME10TSP // POWERED ENCLOSURE

- HDPE Rotomolded enclosure
- Die cast aluminum mounting feet
- Dual 10" passive radiator for increased low end output
- Integrated RGB lighting
- Impact resistant ABS grills
- Internal 400W amplifier

Specifications

MME10T24 // NON POWERED ENCLOSURE

RMS/PEAK (w)	300/600
Sensitivity (dB)	86
Magnet Size	48
Dimensions	W 15.45 x H 14.1 x L 13.87

MME10TSP // POWERED ENCLOSURE

Amplified Power (w)	400
Sensitivity (dB)	86
Magnet Size	48
Dimensions	W 15.45 x H 14.1 x L 13.87

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.

Marine enclosures should be mounted in areas that receive adequate ventilation. These enclosures are water and element resistant but should be mounted in areas that do not receive excessive direct contact with water. These units are not intended to be submerged and care should be used when determining a mounting location.

Warning

Be certain the power is disconnected prior to starting your installation. Failure to disconnect the electrical system prior to installation may result in injury, damage to your unit, or damage to your vehicle.

Take time to inspect the area you plan on installing your Memphis Marine Enclosure. Check the area for any potential hazards like electric lines, fuel lines, hydraulic lines or any other potential hazards.

Be certain you are installing your Memphis Marine Enclosure in a safe location that will not interfere with your ability to safely operate your vehicle.

Confirm the mounting location is a stable and secure location. You will be screwing the unit directly into the mounting location using the (8) provided screws. Be certain the location is able to accept the screws and that the screws will not cause any cosmetic, structural or mechanical damage to your vehicle.



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

Troubleshooting

When troubleshooting your amp, speaker and speaker wires should be tested first.

No Output

· Confirm all wiring is firmly connected. Both +12V and REM terminals must have +12 Volts present and GND must be connected to chassis' ground or to the negative battery terminal.

· Confirm the signal source is connected and 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.

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 or wire is shorted
- Battery voltage too high
- Amplifier has overheated due to improper ventilation
- Battery voltage too low

MME10TSP POWERED ENCLOSURE ONLY!

 **Install the fuse at the battery last!** 

Use conventional stranded copper wire for all connections. Tinned Copper Memphis marine grade wire is recommended for corrosion resistance in powersports and marine applications. Finish the ends of the wires 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

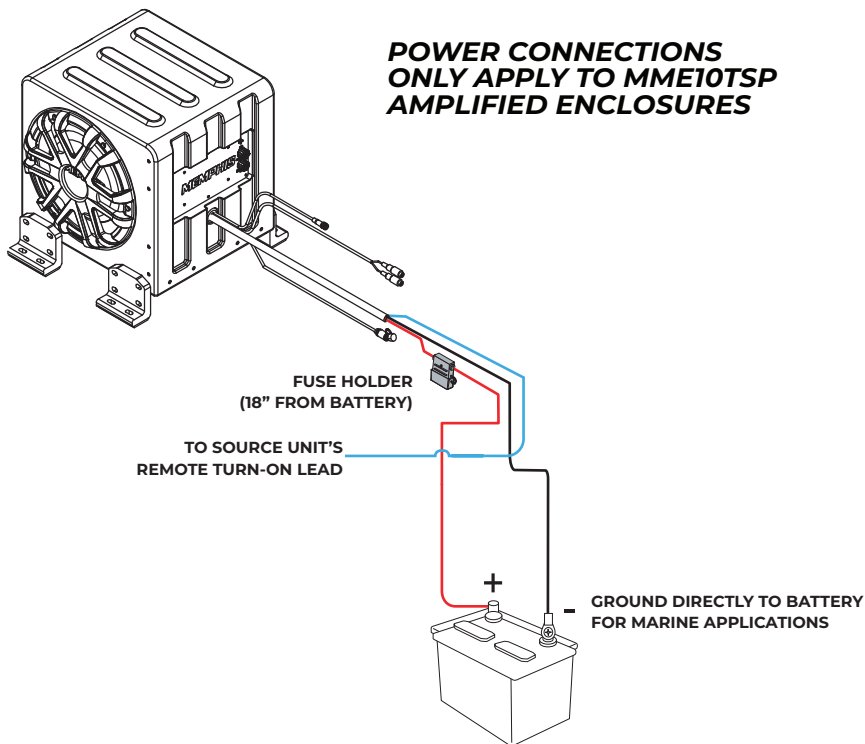
make the 12V+ connection directly at the positive battery post using the proper wire size and fuse listed below, The fuse should be installed within 18" of the battery for standard applications and within 7" of the battery for marine applications*. This fuse is vital to protecting the vehicle from damage 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:

For marine applications connect the ground to the negative battery terminal. For non-marine applications 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 chassis.

Remote Turn On

Remote turn on should be connected to the source unit's remote turn on lead. 18 gauge wire should be ran from the remote turn on lead on your source unit to the terminal labeled REM on your amplifier.



 *NOTE: Seven inches is the standard distance under U.S. Coast Guard CFR33 for placement of fuses or breakers as required by law for new boat manufacturing. It is recommended that you adhere to this standard in an installation. Not adhering to this regulation puts the safety of boat passengers at risk in the event of a power wire short circuit.

Wiring Instructions

RED WIRE

The RED wire should be connected directly to the battery's positive terminal and fused with a 30A fuse.

BLACK WIRE

The BLACK wire should be directly connected to the battery's negative terminal

BLUE WIRE

The BLUE wire needs to be connected to 12v+ accessory circuit of your vehicle or remote turn-on out put of your source/head unit.

RCA INPUTS

Connect the RCA inputs to the signal source of your choice.

GAIN SETTING

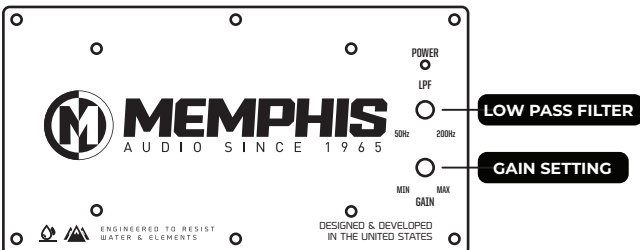
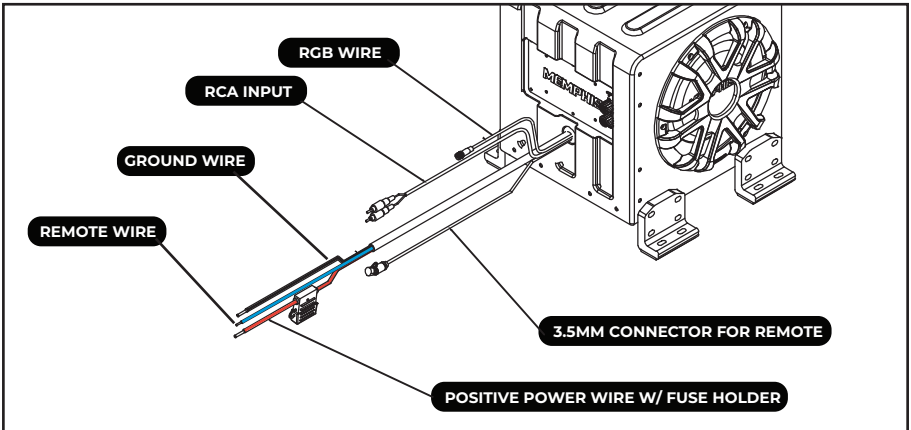
The gain control is NOT a volume control. The gain control adjusts the amount of signal required to drive the amplifier to full output. With the gain at full clockwise rotation, less signal voltage is required to drive the amp to full output. With the gain at full counter clockwise rotation, more signal voltage is required to drive the amp to full output. For optimal performance, set the gain control to minimum the bass level desired.

Low Pass Filter (LPF)

The Lowpass crossover/filter is designed to remove high frequency information from a speaker. This is generally used to prevent mid bass speakers or subwoofers from trying to reproduce mid and high frequency information that they are not designed to reproduce. The crossover frequency is adjustable from 50Hz to 200Hz. To adjust the LPF turn the pot clockwise to raise the frequency and counter clockwise lowers the frequency. Most subwoofers should be set between 80Hz and 100Hz depending on how low the mid-bass or midrange drivers are capable of playing.

BASS KNOB

The included bass knob can be connected and mounted to a desired location to allow easy trim adjustment of the bass level after the gain has been set.



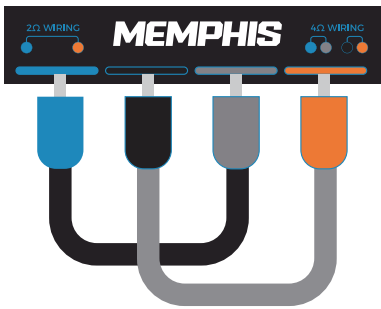
WIRING MME10T24 ONLY (NON-POWERED)

The MME10T24 is a non amplified loaded enclosure. You must connect your own amplifier to this unit to provide power. To do so, connect the included wires from the back of your MME10T24 enclosure to your amplifier of choice. Connect the RED wire to the + terminal and the black wire to the - Terminal. Follow your amplifiers wiring instructions to complete your installation.

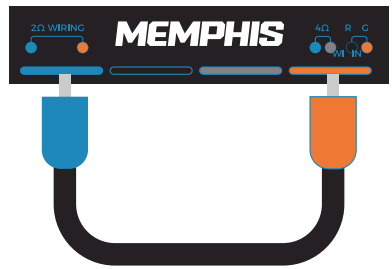
Once you have your MME10T24 connected to your amplifier, you can now adjust your impedance using the included Memphis FLEX™ Selectable Impedance Technology terminal located on the back of the enclosure. This simple system allows you to effortlessly adjust your impedance to maximize your systems performance by adjusting the color coded jumper cables to a predefined location on the terminal.

This impressively engineered design allows you to effortlessly change the impedance of your subwoofer to match the needs of your system. Simply reconfigure your existing sub by repositioning the color coded jumper to the correct impedance setting and you are ready to play.

COLOR CODED JUMPERS MATCH COLOR CODED TERMINALS



2Ω WIRING



4Ω WIRING

RGB WIRING

HARD WIRING

To hard wire your LED's to emit one of 7 different colors. To hard wire a specific color, wire the BLACK wire from the harness directly to the 12V+ from the battery. Be certain to wire a fuse in between the pigtail and the battery to avoid accidental damage to your vehicle and audio system.

Choose the color you wish to emit from the chart below. Wire the correct wires from the chart to ground.

Example: For a YELLOW light you would wire the Red and Green wires to ground and not wire the blue wire. The black wire would be wired to 12V+.

RGB COLORS			
RED	GREEN	BLUE	EMITTED COLOR
			None
X			Red
	X		Green
		X	Blue
X	X		Yellow
	X	X	Cyan
X		X	Magenta
X	X	X	

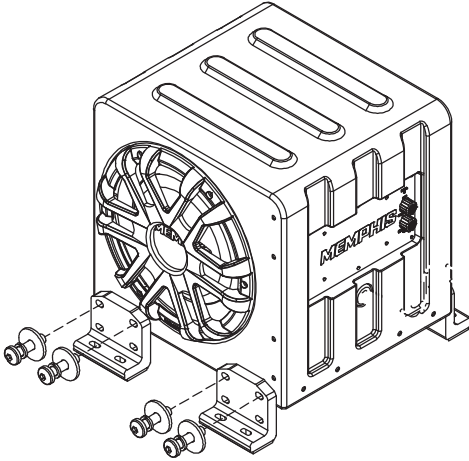
RGB CONTROLLER WIRING

If you want to be able to control and adjust light colors you can purchase a separate RGB controller. The RGB controller would be wired directly to the battery of your vehicle and the harness would be wired directly to your RGB controller.

MOUNTING

FEET INSTALLATION

Your Memphis Marine Enclosure includes (4) rugged feet. Align the feet with the pre-drilled threaded holes on the unit. Each foot will use 2 Allen head bolts and 2 washers. Align the first washer with the first hole in the foot and insert the screw and hand tighten. Repeat this process for each hole in the 4 feet. Once complete, tighten the screws down until secure (Do NOT over-tighten).



SECURING TO YOUR VEHICLE

Once you've determined your mounting location, double check that your units feet will mount to the vehicle securely on a flat even surface free from any hazards. Using the provided (8) screws, drill a pilot hole with a smaller bit in the mounting holes of the feet. Using the included screws, screw the unit down to the surface of your vehicle. Repeat this process for all the mounting holes on your unit.

Warranty

Memphis Marine 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 be extended to 3 years when installed by a Memphis authorized 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 a Memphis Audio facility, the warranty is void.

This warranty is limited to the original retail purchaser and does not cover any 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 caused 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 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 or 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 packaging materials used by the purchaser.

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

Service/Returns

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 unrepai



800.489.2300
www.memphiscaraudio.com
122 Gayoso Ave.
Memphis, TN, USA

 @MEMPHISAUDIO

 @MEMPHISCARAUDIOUSA