

## **NAUTIC GMR-2**

### **Marine & Powersports Source Unit**

Thank you for choosing the MB Quart Nautic GMR-2 Marine & Powersports Source Unit. With proper installation, you are on the path to experiencing your music in a way you only imagined possible. Here at MB Quart, we call it "Music. Defined".

As with any high end technology packed product, we highly recommend choosing an authorized installation facility, which is properly trained with the necessary tools required to ensure many years of enjoyable operation.

## **PRIMARY FEATURES**

### **Marine & Powersports Source Unit**

- AM/FM Radio
- 160 Watts Peak Power
- Pre Amplifier Unbalanced Line Outputs
- Gauge Mount
- Splash Proof Liquid Crystal Display with Clock
- Add up to 2 wired remotes (GMRWDR)

### **MB Quart Bluetooth Connect**

- Bluetooth Connection
- USB Input
- Auxiliary RCA Input

### **Installation & Specification Information**

- 4 channels x 40 watts (160 Watts Peak Power)
- 2-7/8" / 73.02mm Total Mounting Depth
- 3-3/16" / 80.962mm Cut Out Diameter

As with all high quality audio products, we recommend professional installation by an authorized MB Quart dealer. Your dealers knowledge and experience can ensure a problem free and cosmetically integrated installation.

If you choose to install the device yourself, please read the entire manual very carefully.

## **Installation & Mounting Location Tips**

The first step is thorough planning before the installation begins.

The GMR-2 chassis requires a 3-3/16" or 81mm mounting hole diameter and 2-7/8" or 73mm total mounting depth.

It will also require you to be able to access the area behind the chosen mounting location in order to connect the wires and fasten the GMR-2 mounting bracket with screws.

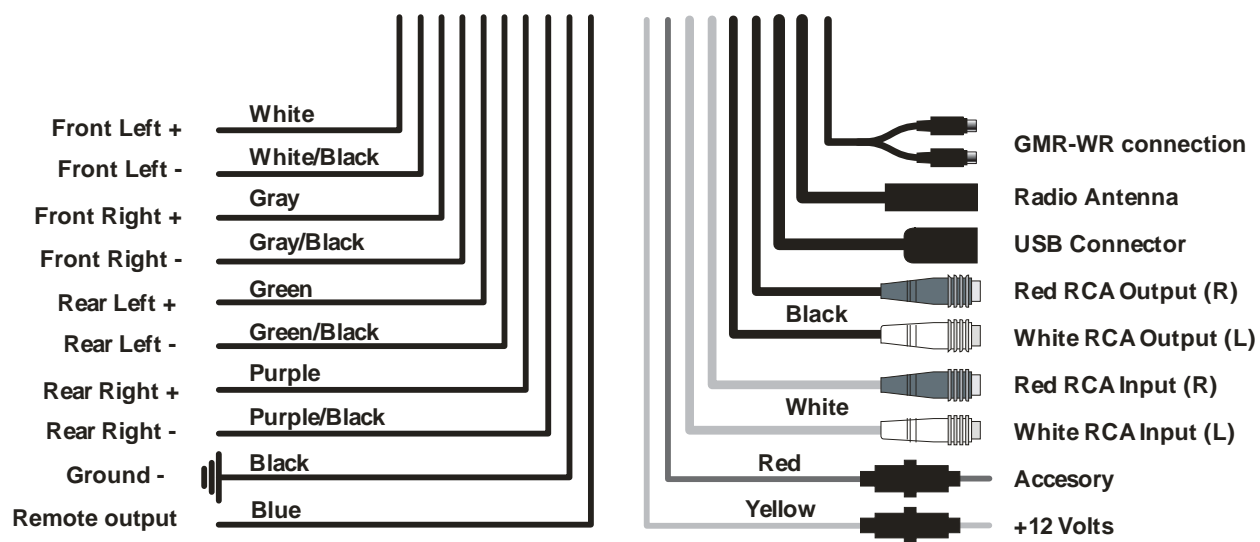
### **Precautions:**

1. Be sure there is adequate clearance behind the mounting location to ensure there are no wires, fuel lines, moving parts or obstacles that will prevent the unit from fitting properly or from being damaged during drilling of the opening.
2. Be sure the chosen mounting location is a flat surface with no curves to ensure a flush water tight fit.
3. To help prevent the possibility of radio interference and damaging heat, choose a location as far away from the engine compartment as possible.
4. Disconnect the battery to ensure there will be no shorted wires during the installation procedure.

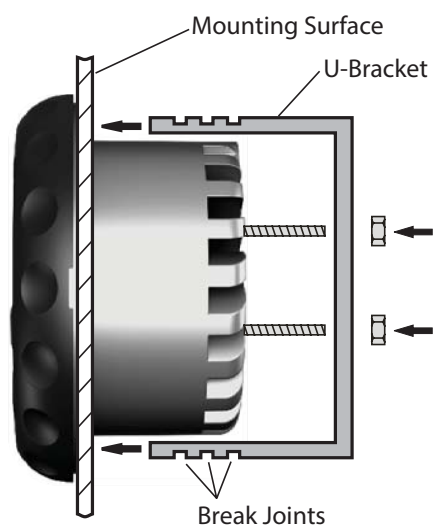
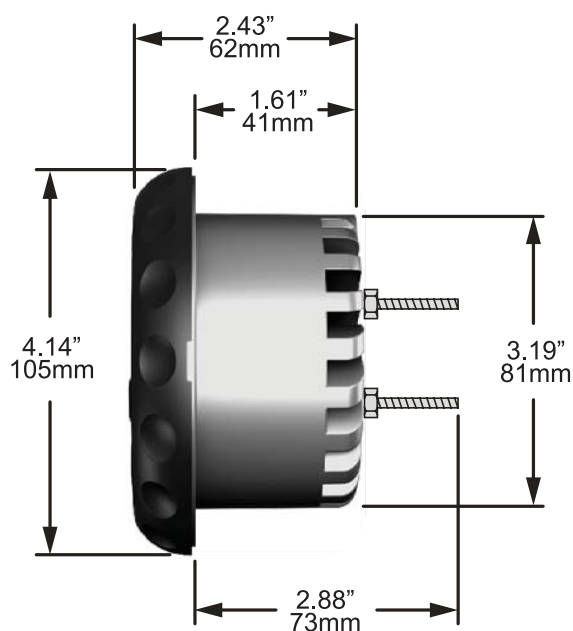
### **Installation Procedure:**

1. Drill a 3-3/16" or 81mm mounting hole.
2. At this point, you may choose to connect the wires and cables prior to placing the GMR-2 into the mounting hole or mount the GMR-2 first, and then connect the wires behind the mounting location.
3. Connect the wires from the GMR-2 to all required operational wires per the wiring diagram on page 2. We strongly recommend soldering all wires and insulate with shrink tubing or a high quality electrical tape.
4. After placing the GMR-2 into the mounting hole, securely fasten with the "U" bracket and mounting screws provided.

## Wiring Diagram



## Mounting



## Operation

### 1. Radio (AM/FM) Operation

Press BAND button to switch between AM & FM.

Auto Seek tuning Up / Down: Press ▼▲ buttons less than 2 seconds to automatically seek the next/previous strong stations.

Manual Tuning Up/Down: Press and hold any of the ▼▲ buttons for more than 2 seconds to seek stations up/down step by step.

### 2. USB/MP3 Operation

A. Insert a USB stick and the unit will read the music files automatically.

B. Press ▼ or ▲ button to play previous/next song.

C. Press and hold ▼ or ▲ for more than 2 seconds to fast backward/forward the song.

D. Press ►|| button to pause/resume the current song.

### 3. Bluetooth Operation

This unit supports Bluetooth for wireless music streaming from mobile device.

Connections steps are as follows:

- Press Mode button to switch to the "BT Play".

- Turn on the Bluetooth on your device.

- Scan for the unit (Bluetooth name "Car Kit") by using your Bluetooth device.

- Select the unit "Car Kit" and the connection will then be made automatically.

Notice: Some Bluetooth devices require inputting a pass code for connection. Please input code "0000" and the connection will be made automatically.

Bluetooth Audio Function:

- Press ▼ or ▲ button for previous/next song.

- Press the VOL+ or VOL- button for tuning up/down the volume.

Once the unit has made a connection with your Bluetooth device for the first time, the unit can then connect to your Bluetooth device automatically within a valid range.

### 4. Clock Display & Adjustment

- Press and hold the BAND button for 2 seconds to display the clock.

- When the clock is displayed, press and hold the BAND button until the hour number is flashing, then use the VOLUME buttons to adjust the hour.

- Once hour is set, press the BAND button until the minutes begin flashing.

### 5. EQ

- Use the VOLUME buttons to select EQ as FLAT, CLASSIC, POP or ROCK. Default setting is "OFF".

### 6. Area Tuning

- This option allows you to select the appropriate frequency spacing for your location (USA or Europe).

- Use the VOLUME buttons to switch between USA and Europe frequencies.

### 7. Time Format

- Use the VOLUME button to switch between 24 hour (Europe) or 12 hour (USA) clock.

## Controls

1. Power Button
  - Press the POWER button
  - Press the POWER button to mute the audio
  - Press and hold the POWER button to turn off the power
2. VOL + Button
  - Press the VOL+ button to increase the volume
3. VOL - Button
  - Press the VOL- button to decrease the volume
4. ▼ Button
  - Press the ▼ button to track down
5. ▲ Button
  - Press the ▲ button to track up
6. BAND ►|| Button
  - Press BAND button to switch between FM & AM in radio mode
  - Press BAND button to play pause in USB mode
7. MODE Button
  - Press MODE button to switch between FM / BT / USB / AUX IN
8. Bass / Treble / Balance / Fader / Loud / EQ / Area tuning / Time 12-24 hour mode
  - Press and hold the MODE button for two seconds and then press the MODE button to switch between BAS / TRE / FAD / LOUD / EQ / AREA / TIME MODE
9. BASS Level
  - Use the volume buttons to adjust the Bass Level range from -7 to +7
10. TREBLE Level
  - Use the volume buttons to adjust the Treble level range from -7 to +7
11. Balance Control
  - Use the volume buttons to adjust the Balance Level between left and right
12. FADER Control
  - Use the volume buttons to adjust the Fader Level between front and rear
13. LOUD Control
  - Use the volume buttons to select the Loudness between on and off



## Troubleshooting

Problem	Cause	Solution
No power	1. Incorrect wiring 2. Fuse is blown	1. Re-check wiring 2. Replace fuse
No sound	1. Volume is too low 2. Speaker connection is loose or wired incorrectly 3. Damaged output	1. Increase volume 2. Double check connection and re-attach 3. Contact MBQuart
No reception	1. Antenna cable is not connected 2. The signal is too weak	1. Re-check antenna connection 2. Select a station manually
USB drive not reading	1. Music file is incorrect format	1. Use MP3 or WMA format
Distorted sound using AUX input	1. Volume may be too high on external device	1. Decrease output of external device
Media device does not work through USB jack	1. USB input only for use with memory sticks and drives	

## Notes

## Specifications

### AM/FM Section:

1. USA Frequency: FM87.9 - 107.9MHz AM Frequency: Am530 - 1710 kHz  
Europe Frequency: FM87.5 - 108MHz AM Frequency: AM522-1620kHz
2. Intermediate Frequency: 10.7MHz
3. Noise Limit Sensitivity: >5uV
4. Intermediate Frequency Rejection: 50dB

### MP3 Section:

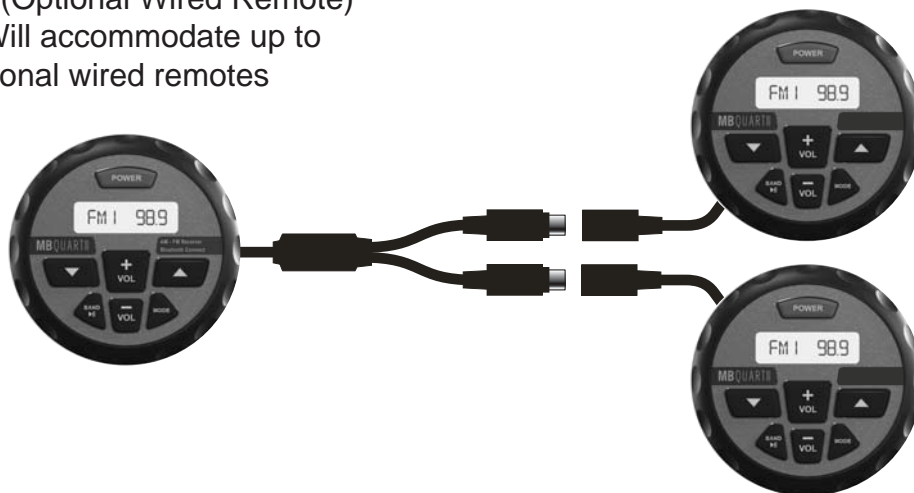
1. Signal to Noise Ratio: >55dB
2. Frequency Response: 20Hz - 20KHz
3. A/D Conversion Filter: 16BIT

### Audio & Other Sections:

1. Power Output: 4 x 40 Watts Maxx
2. Power: DC +12 Volt Battery
3. Load Impedance: 4-8 Ohms / Channel

### GMRWDR (Optional Wired Remote)

1. GMR-2 Will accommodate up to two (2) optional wired remotes



### Warranty:

All MB Quart products are warrantied for 12 months from the date of purchase against manufacturing defects to the original purchaser with a valid receipt of purchase from an authorized reseller of the products. There is no warranty for Unauthorized Internet Sales

For additional information contact customer service at 847.540.7700, or visit [www.Maxxsonics.com](http://www.Maxxsonics.com)

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and technical tutorials at  
[www.youtube.com/maxxsonicsusainc](http://www.youtube.com/maxxsonicsusainc)