

**GUARE**

WATERPROOF MARINE STEREO SERIES

Waterproof stereo receiver with FM/AM,USB input,
AUX in and Bluetooth function

**GR304**

OWNER'S MANUAL

Before connecting and operating this unit,
please read the manual carefully and keep
it for future reference.

NOTE: Specifications and design are subject to change without notice for
further improvement.

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made automatically.

Attention:

Some Bluetooth devices require inputting a pass code for connecting.
Please input "0000", then the connection will be made automatically.

Bluetooth audio function:

Press ▼ or ▲ button for previous/next song.

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

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

5.Clock display and adjustment

Press and hold BAND button for 2 seconds to display clock. When the
clock is displayed, press and hold BAND button for 2 seconds until the
hour number is flashing, then use the VOLUME buttons to adjust hour
number. Once hour number was set, press BAND button to turn out a
flashing minute number, use the VOLUME buttons to adjust minute
number. Once all is set, the unit will remember the right clock automatically.

6.INSTALLATION AND WIRING**WARNING!**

Before install this unit onto any panel, ALWAYS ensure that there is
sufficient clearance behind the panel, and that no wire harnesses, fuel
lines, moving linkages, or any other critical components are exposed and
damaged by the installation. NEVER risk damaging the hull when cutting
your opening.

INSTALLATION

This unit is for use in places with a negative ground 12 V power supply.
a. Before starting: Read these instructions carefully. Be sure to
disconnect the battery "-" terminal before starting. This is to prevent
short circuits during installation. The use of unauthorized parts can
cause permanent damage to the unit. In order to avoid any

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Main Features:

AM/FM	AUX input
USB input	Clock
Bluetooth Function	USA and European Radio Frequency
RCA Output	

About Installation

Installation of Marine audio components requires experience with a
variety of mechanical and electrical procedures. Even though this Manual
provides general installation and operation instructions for your new
Marine audio Player, it does not show the exact methods which may be
required for your particular installation.

Care and Maintenance

Clean the player with a slightly damp, soft cloth, using household glass
cleaner. Do not use solvents such as benzene, thinner, or commercially
available cleaners. From time to time, inspect the connections on the
rear of the unit, make sure the connections are correct, and machine
has no corrosion. for corrosion and correct as needed.

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1.BASIC OPERATION**1. POWER Button**

- Press the button to turn power on.
- Press the button to mute the audio output.
- Press and hold the button to turn power off.

2. VOL+ Button

Press VOL+ button to increase the volume.

3. VOL- Button

Press VOL- button to decrease the volume.

4. ▼ Button

Press ▼ button to track down

5. ▲ Button

Press ▲ button to track up

6. BAND/ Ml Button

Press BAND button to switch between FM and AM in radio mode

b. Press Ml button to play/pause in USB mode

7. MODE Button

Press MODE button to switch between FM/BT MUSIC/USB/AUX IN

8. Bass/Treble/Balance/Fader/Loud/EQ/Area tuning/Time 12-24 Mode

Press and hold MODE button for 2 seconds, and then press MODE button to switch
between BAS/TRE/BAL/FAD/LOUD/EQ/AREA USA-EUR/ 12-24hour Time Mode.

Bass Level

Use the VOLUME buttons to adjust the Bass level range from "-7" to "+7".

Default setting is "0".

Treble Level

Use the VOLUME buttons to adjust the Treble level range from "-7" to "+7".

Default setting is "0".

Balance

Use the VOLUME buttons to adjust the Balance between the left and
right speakers from "L7" (full left) to R7 (full right).

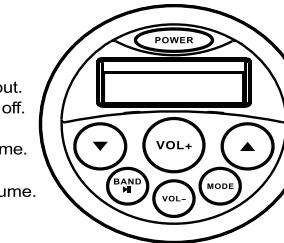
Fader

Use the VOLUME buttons to adjust the Fader between the rear and
front speakers from "R7" (full rear) to F7 (full front).

Loud

Use the VOLUME buttons to select Loudness between ON and OFF.

Default setting is OFF.

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EQ

Use the VOLUME buttons to select EQ from FLAT, CLASSIC, POP,
ROCK. Default setting is OFF.

Area tuning(This option allows you to select the appropriate
frequency spacing for your area.)Use the VOLUME buttons to switch
Area tuning between USA and European Radio frequency.

Time format

Use the VOLUME buttons to switch Time format between 24hour and 12hour.

2. RADIO(FM/AM) OPERATION

Press BAND button to switch between FM and AM.

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

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

3. USB/MP3 OPERATION

a. Insert a USB stick, the unit will read the music files in the USB stick
automatically.

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

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

d. Press Ml button to pause/resume the current song.

4.BLUETOOTH OPERATION

This unit supports Bluetooth for wireless music streaming from your
iPhone / Android or similar Bluetooth device.

Connecting steps are as follows:

- Press Mode button to switch to the"BT PLAY".
- Turn on the Bluetooth on your Bluetooth device.
- Scan for the unit (Bluetooth name: GR304 by using your Bluetooth
device).
- Select the unit (Bluetooth name: GR304 ,the connection then will be
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made automatically.

Attention:

Some Bluetooth devices require inputting a pass code for connecting.
Please input "0000", then the connection will be made automatically.

Bluetooth audio function:

Press ▼ or ▲ button for previous/next song.

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first time, then the unit can connect with your Bluetooth device
automatically within valid range ever since.

5.Clock display and adjustment

Press and hold BAND button for 2 seconds to display clock. When the
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6.INSTALLATION AND WIRING**WARNING!**

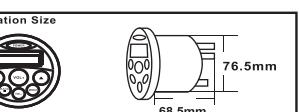
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sufficient clearance behind the panel, and that no wire harnesses, fuel
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your opening.

INSTALLATION

This unit is for use in places with a negative ground 12 V power supply.
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disconnect the battery "-" terminal before starting. This is to prevent
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interference, do not install the unit
in the proximity of the
engine compartment.

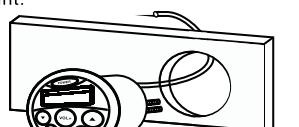


Always check your wire
connections to ensure
proper installation before
turning on the unit. Consult
with your nearest dealer for proper
installation or if common parts
need to be used.

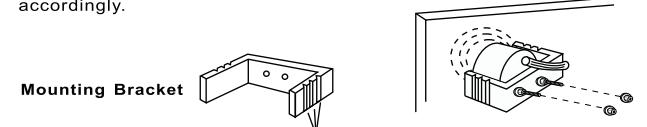
b. Installing

The unit should be mounted to a dry, clean and flat surface to assure
that the seal condition is fully watertight.

Please make sure that the
installation location has enough
room for installation. Enough
mounting depth is needed to avoid
cables to be damaged.



The unit requires a 79.9mm diameter
round hole. Cut the hole and install the unit into the hole as shown.
Ensure the rear gasket is fully sealed to the mounting surface without
distorting the unit. Use mounting bracket to fasten the back part of the
unit with the location so as to avert the unit loose. If the mounting
bracket proved to be too long, cut some breakaway segments
accordingly.



Mounting Bracket **Break LINES**

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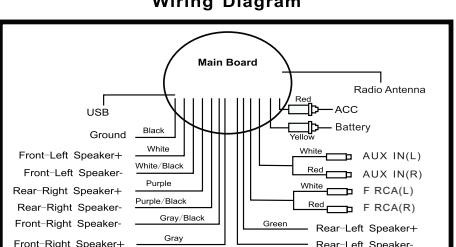
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8.TROUBLESHOOTING

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 loose or wired incorrectly 3. Output blown	1. Increase volume 2. Double check connection and re-attach 3. Send unit in for repair
No reception	1. The antenna cable is not connected 2. The signals are too weak	1. Insert the antenna cable securely 2. Select a station manually
USB stick not reading	1. Music file is neither MP3 nor WMA format	1. Convert music file format into MP3 or WMA format
AUX input or RCA output distortion	1. Volume may be up too much on external device	1. Lower volume on external device until distortion goes away
Media device does not work through USB jack	1. USB input only reads USB sticks	1. Play media device through auxiliary input

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Wiring Diagram**7.SPECIFICATIONS****AM/FM SECTION**

1. USA Frequency Range: FM87.9-107.9MHz AM530-1710kHz
Europe Frequency Range: FM87.5-108.0MHz AM522-1620kHz

2. Intermediate Frequency < 10.7MHz

3. Noise limit sensitivity < 5uV

4. Intermediate Frequency Rejection < 50dB

MP3 SECTION

1. S/N Ratio >55dB

2. Frequency response 20-20KHz

3. A/D conversion filter 16BIT

Audio and other SECTION

Power Output 4*40W

Power DC 12V (Battery)

Load Impedance 4-8Ohms/channel

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FCC Statement:

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.

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 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 to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Caution: 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 complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator&your body.