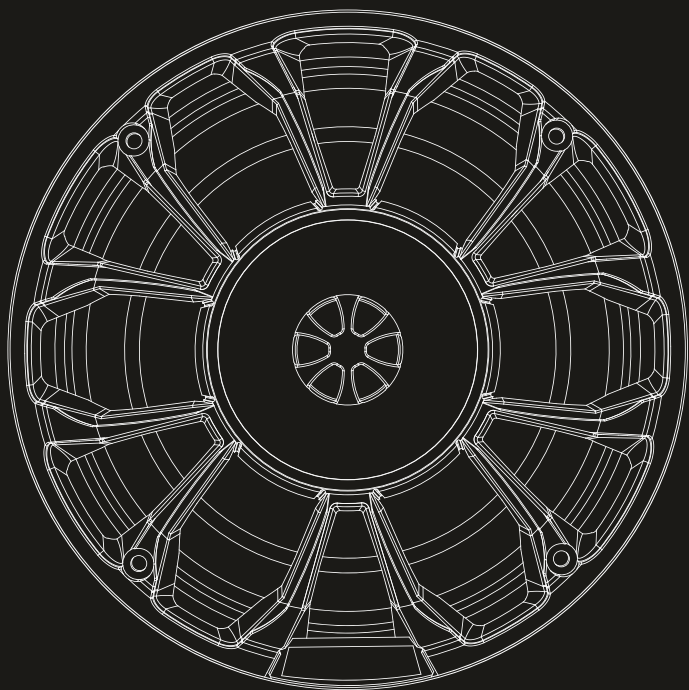




# OWNER'S MANUAL

**6.5" MARINE BOX**

**RS-6501MT**



*Since 1985*  
**TURKISH ENGINEERING**



## Safety measures

1. This manual contains important instructions for use and care. Save the instruction manual for future reference.
2. Do not place the speakers on an uneven surface, or in places where the temperature is abnormal.
3. Before attaching and connecting the wires, make sure that the wire from the negative terminal (-) of the battery is disconnected. Failure to do so may result in a short circuit or fire.
4. To prevent a short circuit, never place or leave any metallic objects (such as coins or metal tools) inside the speaker system.
5. Make sure the speaker wire terminals are connected to the appropriate output terminals of a marine amplifier/head unit.
6. Never run electrical wiring outside or under the boat where it could be damaged. When installing speakers to mask and protect electrical wiring, use pre-arranged locations such as thresholds and panels.
7. When connecting the wire terminal, make sure that the wire from the negative terminal (-) of the battery is disconnected. Check all connections and make sure the connections are correct to ensure perfect speaker system performance.
8. Avoid prolonged excess of the rated power of the audio signal supplied to the loudspeakers.
9. Keep cassettes, watches, or credit cards with a magnetic code near the speakers, as they may be damaged by the magnets contained in the speakers.
10. If you cannot find a suitable place to install your speakers yourself, please consult your nearest dealer for advice.

**WARNING:** Observe safety precautions when working around the fuel tank, gas lines, hydraulic lines and electrical lines.

## Installing the speaker system

**WARNING -** Consult a qualified expert for the marine speaker installation.

Speaker installation kits are available from your dealer or local car audio store. These kits will help you to install your speakers more easily. For questions about speaker installation methods, please contact professional marine equipment dealers.

Select a location for the speaker system. Most speakers will fit in the boat's designated locations. In this case, you only need to know the installation depth. Before installing the speakers, check their mounting depth. If you choose a non-standard speaker layout that requires you to cut them into the boat's panels, use a template (not included). To achieve the ideal speaker position, pay attention to the geometry of the template, as dimensional accuracy affects the quality of the speaker installation.

If the metal body of the vessel passes under the decorative panel, then you need to proceed as follows to install the speaker system:

- remove the decorative panel;
- cut out the seat according to the template
- on the metal case, mark the holes for mounting the fixing screws;
- drill holes for the fixing screws.

After the holes are cut out, check the installation site for uneven surfaces and edges. Sand surfaces that may interfere with speaker installation.

Remove any metal shavings from the speaker mounting location and check for voids where water can enter.

## Protective grill installation

- Install the speaker system in the prepared locations and check once again that its location is correct.
- The speaker kit includes clamps that must be placed on the surface of the boat's hull and line up with the previously drilled holes. Locate the clamps where the holes are drilled, install the speaker so that the screw holes fit and in the surface of the boat match, fix the speaker with screws and make sure that the frame of the speaker is not deformed.
- Turn on the device at minimum volume and check that the speakers are working. After that, you can set the desired volume level.

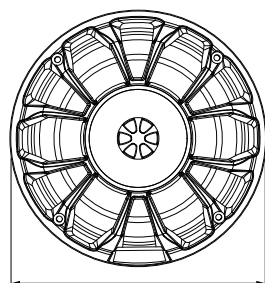
## Recommendations for the speaker system usage

The service life of speaker system is largely depends on the correct choice of amplifier, settings and speaker system design. It is necessary to choose an amplifier with a rated power not exceeding the rated power of the speakers. Proper matching of a marine head unit with a marine amplifier will allow you to get a clean, undistorted signal fed to the speakers, which will prevent overheating and failure of the speaker's voice coil. Like a new car that just rolled off the assembly line, a speaker that has just been taken out of the box needs a "break-in" in other words it needs warming up. Elements of the dynamic system of the speaker cannot immediately start working at the required level, just like an athlete cannot show a decent result without a preliminary warm-up it takes a certain time before the voice coil centering washer and cone surround have the appropriate flexibility and elasticity to perform adequately. A new speaker requires 70-100 hours of warm-up at 30% power. Of course, the numbers are indicative. If during the operation of speaker system at high volume you feel a funny smell, it is necessary to reduce volume and let the speaker cool down at a low volume. Recommended settings for a marine head unit and amplifier: the volume level of the marine head unit is no more than 80%. filter LPF set to 70-80Hz, bass boost -0. Amplifier sensitivity set at 50%.

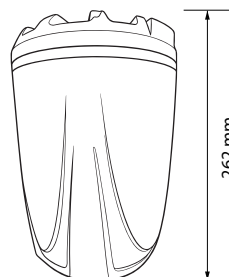
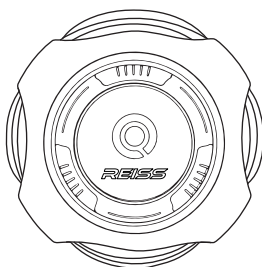
## Specification:

- 6.5" Marine Box
- RGB accent lights with 12 color mode
- LED Operating Voltage: 12V
- White plastic basket
- White injection pp cone with rubber edge
- 1.5"(38mm) Kapton voice coil
- 20oz High density flux ferrite
- Ø38mm Dome Tweeter
- 1"(25mm) KSV voice coil
- Impedance:  $4\Omega$
- Rated power: 80W
- Max. power: 240W
- Frequency response: 65~20KHZ
- Sensitivity: 90dB

## Speaker dimensions



178 mm



262 mm



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