USER MANUAL QUICK INSTALLATION GUIDE

MGR450B



BLUETOOTH® (Audio Streaming) Marine Gauge Digital Media **AM/FM Receiver**

FEATURING ZERO STANDBY CURRENT DRAIN



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BLUETOOTH® MARINE GAUGE DIGITAL MEDIA AM/FM RECEIVER

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BOSS Audio Systems 3451 Lunar Court • Oxnard, CA 93030

www.bossaudio.com 800-999-1236 US Toll-free 805-751-4853 Customer Service tech support: www.bossar ical-suppor

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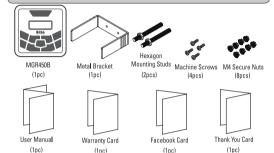


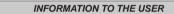


Digital Media AM/FM Receiver Please read thorough these instructions carefully so you will know how to operate your model properly. After you have finished reading the instructions, keep this document in a safe place for future reference.

Thank you for purchasing this

THIS PACKAGE CONTAINS





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FCC COMPLIANCE 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 interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. The Bluetooth antenna cannot be removed (or replaced) by user. This equipment complies with FCC/ IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles). Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment

NOTE: 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:

 Relocate or reorient 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.

!! WARNING !! ADJUSTMENT OR ALTERATIONS OF THIS DEVICE MAY Â RESULT IN HAZARDOUS RADIATION EXPOSURE.



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Make the mounting hole size as follows

Ø 3.00" / 76mm

4 Slip the unit through the hole cutout and into U-bracket

6 Secure and waterproof the wiring

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

• Do not turn up the volume so high that you can't hear what's around you.

· Use caution or temporarily discontinue use in potentially hazardous situations.

• Do not operate mobile video equipment while driving a motorized vehicle - safe driving and safety consideration of others should always be your highest priority.

. Set your volume control at a low setting, then slowly increase the sound until you can hear it comfortably without distortion, or ear discomfort.

• In the event you should notice smoke, strange noises or odor from this product, or any other abnormal signs, immediately turn off the power and consult your dealer or the nearest authorized BOSS AUDIO Service Center Using this product in this condition may result in permanent damage to the system.

BEFORE YOU START

INSTALLATION PRECAUTIONS

Always consult with a professional installer

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vour applications depth

TOOLS NEEDED: Measuring Tape / Ruler

- Wrench and/or Pliers

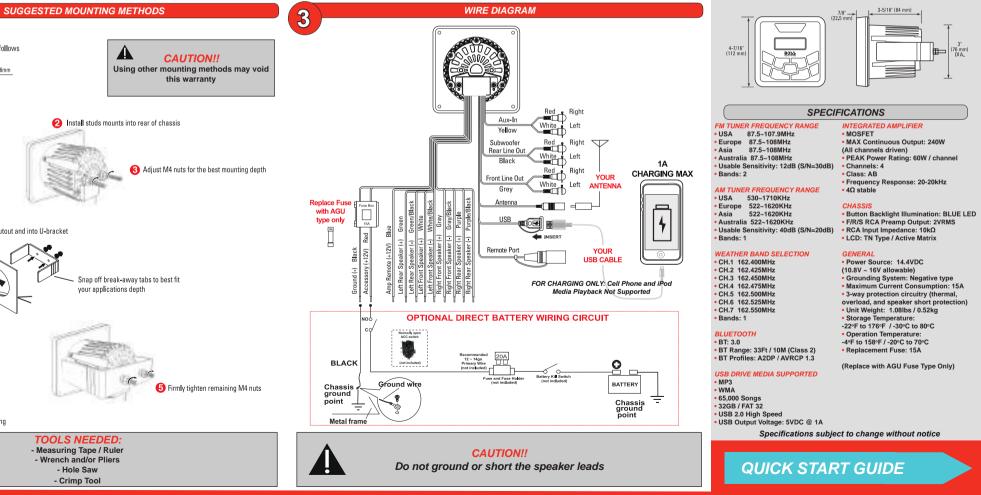
- Crimp Tool

- Hole Saw

· Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without professional training and experience in electronic equipment and motorized vehicle accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards • Refer any repairs to a qualified BOSS AUDIO SYSTEMS Service

• The MGR450B should be wired directly to a vehicles battery When wiring directly to the vehicles battery, be sure to disconnect the batteries negative terminal wire before starting any wiring procedures, if extending the main power primary wire, it is suggested that an optional fuse and fuse holder (not included) with minimum rating of 20 Amperes be in-line with the positive battery terminal

• The ground cable length should be as short as possible, if extending from you battery, be sure to use a proper gauge rating for the length of the run, use only high quality copper primary type wire • The MGR450B has a IPX6 weather resistant design, it should not be submerged in or under water under any circumstances . Do not use abrasive cleaning materials on the lens or bezel • Use only the installation parts provided with the MGR450B





To avoid potential shorts in the electrical system, be sure to disconnect the (-) battery cable before installation. Use this unit with a 12-Volt battery and negative grounding only. Failure to do so may result in a fire or malfunction



CAUTION When replacing the fuse, be sure to only use a fuse of the rating specified on this product. To avoid short-circuiting, cover any disconnected leads with insulating tape. It is specially impor-

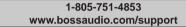
tant to insulate any unused wires, which if left uncovered may cause a short circuit. When connecting other devices to this product, refer to the manual for the product to be connected. The black cable is ground. make sure to connect the ground wire first.

Ensure that the ground cable is properly connected to metal parts of the vehicles body frame or direct to the battery if your vehicle does not have a grounded chassis frame. The ground cable of this units power amp and a second powered system must be connected to the frame separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire or malfunction.

TROUBLESHOOTING GUIDE

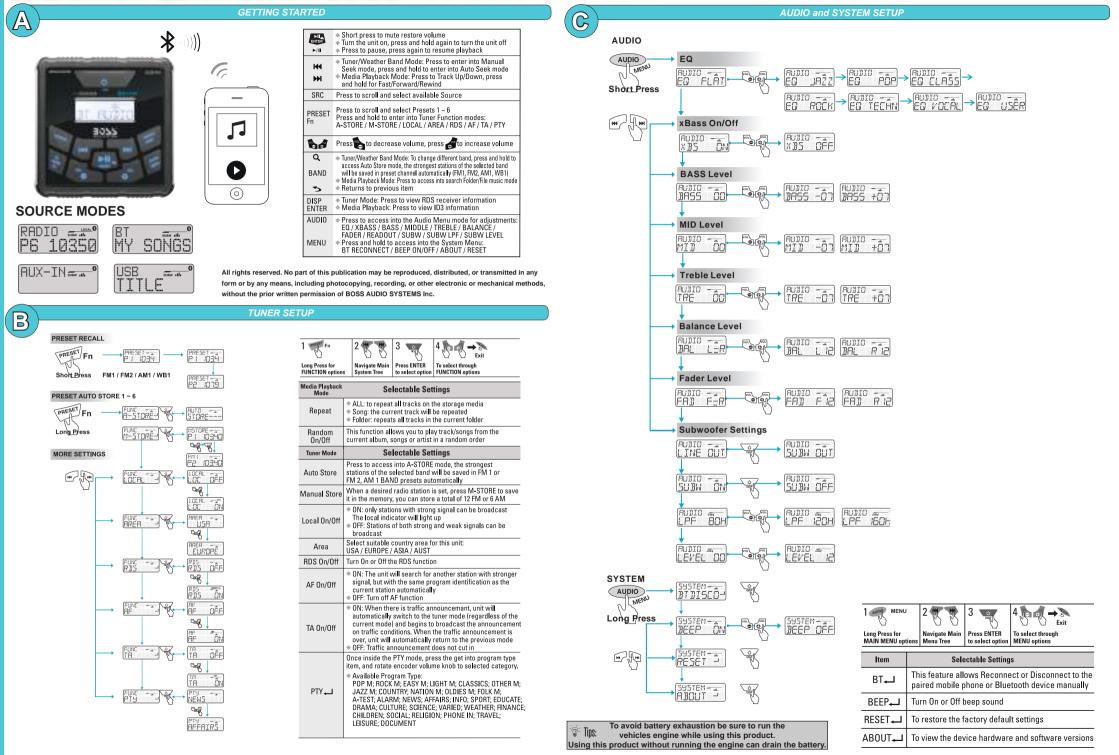
| TROUBLE | CAUSE | SOLUTION |
|--|--|---|
| | The fuse is blown | Check / replace the fuse |
| Unit will not turn on | Ignition not engaged | Turn ignition to on position |
| | Blown speaker | Replace faulty speaker |
| | Volume is low / muted | Press the volume level up |
| No sound is heard | Device is paused or muted | Check your devices playing / volume status |
| | The Bluetooth function of the device is not enabled | Refer to the user manual of the device for how to enable the Bluetooth function |
| Cannot pair Bluetooth | The MGR450B BT memory is full | Follow how to reconnect a device in section E |
| The audio quality is poor after connection with a Bluetooth enabled device | The Bluetooth reception is poor | Move the device closer to the audio system or remove any obstacle between the device and the systems antenna |
| | Power glitch or interference | Disconnect power for 10 seconds to reset |
| Unit has become | Low battery power | Charge battery, run the engine to recharge the battery |
| unresponsive | Reset the main system | Follow steps in section B |

TECHNICAL SUPPORT





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|-------------------|--|--|
| | RADIO OPERATION | |
|) | 1) Press the SRC button to select RADIO 2) Press ▶/II to MUTE, press again to UNMUTE | |
| 10 Juse 11 | 3) To advance stations press | |
| | 4) To skip previous stations press 🗰 | |
| | 5) Press the preset button to display RADIO information 6) Press the PRESET button to recall PRESETS 1 ~ 6 | |
| | BLUETOOTH OPERATION | |
| | PAIRING & DISCOVERING A NEW BLUETOOTH CONNECTION Note: The mobile device must be within 33ft (10m) of the MGR450B for Bluetooth to function properly. | |
| | 1) Power on the MGR450B by pressing and holding down the Power 🍘 button for 1 second, the Bluetooth ICON will start to flash signalling that the MGR450B is now ready for Bluetooth pairing. | |
| | NOTE: You have 2 minutes before you must restart this procedure over again. | |
| | 2) Now that the MGR450B is in pairing mode: | |
| SONGS | ANDROID users: a. Go into the Settings Menu of your ANDROID device b. Enter the Bluetooth Menu and press SCAN c. "Boss Audio MGR450B" will now be display under AVAILABLE DEVICES d. If prompted, enter passcode: "0000" iOS users: | |
| | a. Go into the Settings Menu of your iOS device b. Enter the Bluetooth Menu c. "Boss Audio MGR450B" will now be displayed d. If prompted, enter passcode: "0000" 3) If the MGR450B is not seen, repeat the above steps to refresh the "Device List" 4) When the BT connection is successful you will see BT CONNECTED message on the MGR450B LCD display, you | |
| | are now ready to stream music from your devices favorite media player to the MGR450B RECONNECTION | |
| | 1) Power on the MGR450B and your last paired device Bluetooth | |
| | 2) The unit will now automatically be reconnected | |
| | If your device was previously paired with the MGR450B, but it wasn't the last paired device: a. Ensure no other devices are currently paired b. Press and hold MENU button to manually connect / reconnect to the MGR450B | |
| | 4) If the device is out of range from the MGR450B, it will disconnect automatically: | |
| | 5)The MGR450B will reconnect to the device once in range, a confirmation message will be displayed on the LCD | |
| | BLUETOOTH STREAMING MUSIC | |
| | 1) Press the SRC button to select BT AUDIO | |
| SONGS | 2) Press ▶/II to start PLAY, press again to PAUSE | |
| | 3) To skip songs or advance tracks press ▶ , press and hold to FAST FORWARD 4) To select the previous track press the button ₩, press and hold to FAST REWIND | |
| | 5) Press the button to display song ID3 information | |
| | USB OPERATION | |
| / | 1) Press the SRC button to select USB | |
| | 2) Press ▶/III to start PLAY, press again to PAUSE 3) To skip songs or advance tracks press ऒ, press and hold to FAST FORWARD 4) To select the previous track press ₩, press and hold to FAST REWIND | |
| | 5) Press the observation to display song ID3 information | |
|) | AUX-INPUT | |
| / | 1) Press the SRC button to select AUX IN | |
| — ТŅ <u></u> 0 | 2) Press International to MUTE, press again to UNMUTE | |