USER MANUAL QUICK INSTALLATION GUIDE MGR350B









PRINTED IN CHINA

BLUETOOTH® ENABLED GAUGE HOLE RADIO



STANDBY CURRENT DRAIN

USER MANUAL QUICK INSTALLATION GUIDE MGR350B

BLUETOOTH® GAUGE HOLE RADIO

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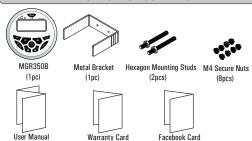
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Thank you for purchasing this

MGR350B Bluetooth Gauge Hole Radio 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.

THIS PACKAGE CONTAINS



INFORMATION TO THE USER

(1pc)

Bluetooth

(1pc)

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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

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 RESULT IN HAZARDOUS RADIATION EXPOSURE.

IMPORTANT SAFETY PRECAUTIONS

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
- · 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.

Make the mounting hole size as follows

6 Secure and waterproof the wiring

SUGGESTED MOUNTING METHODS

TOOLS NEEDED:

Measuring Tape / Ruler

- Wrench and/or Pliers

- Hole Saw

- Crimp Tool

BEFORE YOU START INSTALLATION PRECAUTIONS

Always consult with a professional installer

- 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 MGR350B 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 MGR350B has a IPX6 weather resistant design, it should not be submerged in or under water under any circumstances
- · Use only the installation parts provided with the MGR350B

Hooper .

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.



WIRE DIAGRAM

When replacing the ruse, be suited. To 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.

To avoid potential shorts in the electrical



TROUBLE

Bluetooth enabled device

Sub woofer is not playing

Unit has become

TECHNICAL SUPPORT 1-805-751-4853

The Bluetooth reception is poor and the systems antenna

www.bossaudio.com/support

TROUBLE SHOOTING GUIDE

SOLUTION

Check / replace the fuse

Replace faulty speaker

Press the volume level up

Check your devices playing

Refer to the user manual of the

device for how to enable the

Follow how to reconnect a

Move the device closer to the

audio system or remove any

obstacle between the device

Adjust sub level to preferred

Charge battery, run the engine

Follow steps in section H

Disconnect power for

to recharge the battery

Follow steps in section H

Bluetooth function

urn ignition to on position

CAUSE

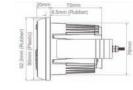
The fuse is blown

Sub level is muted

Low battery power

Reset the main system

Sub out is not enabled



SPECIFICATIONS

MOSFET

Channels: 4

Class: AB

40 stable

CHASSIS

RMS

GENERAL

-15°C to 45°C

-10°C to 40°C

(All channels driven)

MAX Continuous Output: 240W

• RMS Total Power Output: 150W

• Frequency Response: 20-25kHz

Chassis Dimensions HxDxW :

• RCA Input Impedance: 10k0

• TFT: TN Type / Active Matrix

· Grounding System: Negative type

· 3-way protection circuitry (thermal,

Unit Weight: 1.08lbs / 0.52kg

Replacement Fuse: 15A

Maximum Current Consumption: 15A

overload, and speaker short protection)

Storage Temperature: 5°F to 113°F /

(Replace with ATG Fuse Type Only)

Operation Temperature: 14°F to 104°F /

• Power Source: 14.4VDC

(10.8V ~ 16V allowable)

0.79"x 3.75" x 3.5" / 20mm x 95mm x 90.2mn

Button Backlight Illumination: RED LED

• FRONT/ REAR RCA Preamp Output: 2V

PEAK Power Rating: 63W / channel

FM TUNER FREQUENCY RANGE INTEGRATED AMPLIFIER

- USA 87.5~107.9MHz Europe 87.5~108MHz
- Asia 87.5~108MHz Australia 87 5~108MHz
- Usable Sensitivity: 12dB (S/N=30dB)
- Bands: 2

AM TUNER FREQUENCY RANGE USA 530~1710KHz

- Europe 522~1620KHz Asia 522~1620KHz
- Australia 522~1620KHz
- Usable Sensitivity: 40dB (S/N=20dB) · Bands: 1

WEATHER BAND SELECTION

- CH 1 162 400MHz CH 2 162 425MHz
- CH 3 162 450MHz CH.4 162.475MHz
- CH 5 162 500MHz
- CH.6 162.525MHz
- CH.7 162.550MHz Bands: 1

BLUETOOTH

• BT Range: 33Ft / 10M (Class 2)

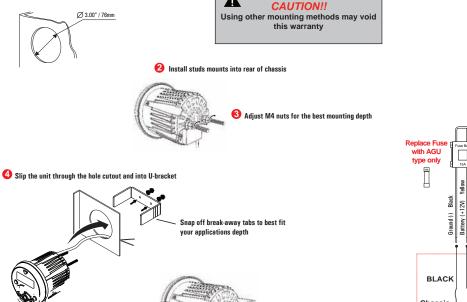
- BT Profiles: A2DP / AVRCP 1.3

USB DRIVE MEDIA SUPPORTED

- MP3
- 65.000 Sonas
- 32GB / FAT 32
- · USB 2.0 High Speed
- · USB Output Voltage: 5VDC @ 1A

Specifications subject to change without notice

QUICK START GUIDE



Rear Line Out Right CHARGING MAX YOUR Front Line Out White Left **USB CABLE** FOR CHARGING ONLY: Cell Phone and iPod Media Playback Not Support OPTIONAL DIRECT BATTERY WIRING CIRCUIT BATTERY point Chassis around

Do not ground or short the speaker leads

CAUTION!!

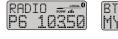
GETTING STARTED





Short press to mute or restore volume. Turn the unit on, Press and hold again to turn the unit off. Press to pause, Press again to resume playback. Turn the unit on, Press and hold again to turn the unit off. Press to pause, Press again to resume playback. Turner/Weather Band Mode: Press to enter into the Manual Seek mode. Media Playback Mode: Press to TrackUp/Down, press and hold for fast Forward(Revind. SRC Press to scroll and select available Source. PRESET Press to scroll and select Presets 1 - 6	
Tumer/Weather Band Mode: Press to enter into the Manual Seek n press and hold to enter into the Manual Seek node. Media Palyatack Mode: Press to Trackly Down, press and hold for Fast Forward/Rewind. SRC Press to scroll and select available Source. PRESET Press to scroll and select Presets T ~ 6	
press and hold to enter into the Auto Seek mode. • Medie Palyack Mode Press to TrackUp/Down, press and hold for Fast Forward(Rewind. SRC Press to scroll and select available Source. PRESET Press to scroll and select Pressts 1 – 6	
Media Playhack Mode: Press to TrackUp/Down, press and hold for FastForward/Rewind. SRC Press to scroll and select available Source. PRESET Press to scroll and select Presets 1 ~ 6	or
Media Praydack mode: Press to Frackup/ Jown, press and noid to Fast Forward/Rewind. SRC Press to scroll and select available Source. PRESET Press to scroll and select Presets 1 ~ 6	or
PRESET Press to scroll and select Presets 1 ~ 6	
Fn Press and hold to enter into the Tuner Function modes:	
A-STORE / M-STORE / LOCAL / AREA / RDS / AF / TA / PTY	
Press to decrease the volume, press at to increase the volume.	ıme.
 Tuner/Weather Band Mode: To change different Band. Press and hold access into Auto Store mode, the strongest stations of the selected by 	
BAND will be saved in preset channel automatically. FM1, FM2, AM1, WE Media Playback Mode: Press to access into search Folder/File music m Returns to the previous item.	B1
DISP Tuner Mode: Press to view RDS receiver information.	
ENTER Media Playback: Press to view ID3 information.	
AUDIO Press to access into the Audio Menu mode for adjustments: EQ / XBASS / BASS / MIDDLE / TREBLE / BALANCE / FADER /	
REAROUT / SUBW / SUBW LPF / SUBW LEVEL	
MENU Press and hold to access into the System Menu:	
BT RECONNECT / BEEP ON/OFF / ABOUT / RESET	

SOURCE MODES

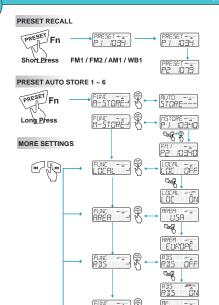


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TUNER SETUP



1 Fn				4 Exit	
		2 Mayigate Main	3 Press ENTER		
	Playback Mode	Selectable settings			
R	epeat	ALL: to repeat all tracks on the storage med Song: the current track will be repeated			

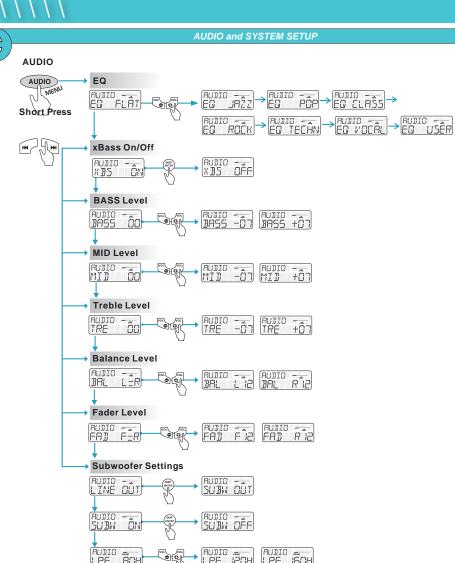
Media Playback Mode	Selectable settings			
Repeat	ALL: to repeat all tracks on the storage media Song: the current track will be repeated Folder: repeats all tracks in the current folder			
Random On/Off	This function allows you to play tracks/songs from the current album, songs or artists in a random order.			
Introl On/Off				
Tuner Mode				
Auto Store	Press to access into A-STORE mode, the strongest stations of the selected band will be saved in FM 1 or FM 2, AM 1 BAND presets automatically			
Manual Store	When a desired radio station is set, press M-STORE to sait in the memory, you can store a total of 12 FM or 6 AM.			
Local On/Off	ON: only stations with strong signal can be broadcast. The Local indicator will light up OFF: Stations of both strong and weak signals can be broadcast.			
Area	Select suitable country area for this unit: USA / EUROPE / ASIA / AUST			
RDS On/Off	Turn On or Off the RDS function.			
AF On/off	 ON: The unit will search for another station with stronger signal, but with the same program identification as the current station automatically. OFF: Turn off AF function 			
TA On/off	• ON: When there is traffic announcement, unit will automatically switch to the tuner mode (regardless of the current mode) and begins to broadcast the announcement on traffic conditions. When the traffic announcement is over, unit will automatically return to the previous mode. • OFF: Traffic announcement does not cut in.			
РТҮ 🖵	Once inside the PTY mode, press the get into program type time, and rotat encoder volume knoth to selected category. *Available Program Type: PDP M; ROCK, M; EASY M; LIGHT M; CLASSICS; OTHER M; JAZZ M; COUNTRY; NATION M; OLDIES M; FOLK M; A-TEST; ALARIM, NEWS, AFFARIS, INFO; SPORT; EDUCATE; DRAMAC; CULTURE; SIGENCE; VARIED; WEATHER; FINANCE; CHILDREN; SOCIAL; RELISION, PHONE IN; TAYEVE; LESURE; DOCUMENT			

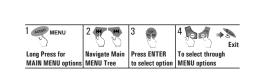
SYSTEM

AUDIO

Long Press

To avoid battery exhaustion be sure to run the vehicles engine while using this product. Using this product without running the engine can drain the battery.









RADIO OPERATION

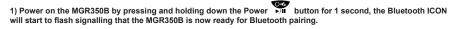
- 1) Press the SRC button to select RADIO
- 2) Press >/II to MUTE, press again to UNMUTE
- RADIO SUBW ALL 3) To advance stations press P6 10350
 - 4) To skip previous stations press
 - 5) Press the button to display RADIO information 6) Press the PRESET button to recall PRESETS 1 ~ 6



SYSTEM SUBWARK

BLUETOOTH OPERATION

PAIRING & DISCOVERING A NEW BLUETOOTH CONNECTION



NOTE: You have 2 minutes before you must restart this procedure over again.

2) Now that the MGR350B is in pairing mode:

ANDROID users:

- a. Go into the Settings Menu of your ANDROID device
- b. Enter the Bluetooth Menu and press SCAN
- c. "MGR350B" will now be display under AVAILABLE DEVICES
- d. If prompted, enter passcode: "0000"

- a. Go into the Settings Menu of your iOS device
- b. Enter the Bluetooth Menu
- c. "MGR350B" will now be displayed
- d. If prompted, enter passcode: "0000"
- 3) If the MGR350B is not seen, repeat the above steps to refresh the "Device List"
- 4) When the connection is successful you will see CONNECTED on the MGR350B display and hear a confirmation tone, you are now ready to stream music from your devices favorite media player to the MGR350B



RECONNECTION

- 1) Power on the MGR350B and your last paired device Bluetooth.
- 2) The unit will now automatically be reconnected
- 3) If your device was previously paired with the MGR350B, but it wasn't the last paired device:
 - a. Ensure no other devices are currently paired
 - b. Enter the Bluetooth Menu on your device being paired
 - c. "MGR350B" will display under AVAILABLE DEVICES
 - d. Choose the "MGR350B" to reconnect
- 4) If the device is out of range from the MGR350B, it will disconnect automatically:
- a. To reconnect once device is back in range, press the Power I button once
- b. The MGR350B will now reconnect to the device, a confirmation tone will be heard from the speakers



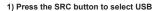
SONŌS

BLUETOOTH STREAMING MUSIC

- 1) Press the SRC button to select BT AUDIO
- 2) Press -/ 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 $\ensuremath{\mathbf{H}}$, press and hold to FAST REWIND
- 5) Press the button to display song ID3 information



USB OPERATION





2) Press > 1 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 🖊 , press and hold to FAST REWIND







AUX-INPUT

1) Press the SRC button to select AUX IN



2) Press of to MUTE, press again to UNMUTE



Ensure to adjust the level of your devices master volume to 75%