# **USER MANUAL QUICK INSTALLATION GUIDE** MGR350B











**BLUETOOTH® ENABLED GAUGE HOLE RADIO** 

FEATURING ZERO STANDBY CURRENT DRAIN

# USER MANUAL QUICK INSTALLATION GUIDE

MGR350B

**BLUETOOTH® GAUGE HOLE RADIO** 

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### Thank you for purchasing this

# 3077

MGR350B Bluetooth Gauge Hole Radio Please read thorough these instructions carefully so you will know how to operate

your model properly.

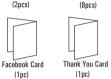
After you have finished reading the instructions, keep this document in a safe place for future reference.

#### THIS PACKAGE CONTAINS









# INFORMATION TO THE USER

# Bluetooth

User Manual

(1nc)

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks is under license. Other trademarks and trade names are those of their respective owners

#### 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
- · 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.

1 Make the mounting hole size as follows

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

6 Secure and waterproof the wiring

SUGGESTED MOUNTING METHODS

Install studs mounts into rear of chassi

Snan off break-away tabs to best fit

your applications depth

TOOLS NEEDED: Measuring Tape / Ruler

Wrench and/or Pliers

- Crimp Tool

- Hole Saw

#### 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 • 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
- · Do not use abrasive cleaning materials on the lens or bezel Use only the installation parts provided with the MGR350B

**CAUTION!!** 

this warranty

Adjust M4 nuts for the best mounting deptl

Firmly tighten remaining M4 nuts

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



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.

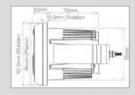
Ensure that the ground cable is properly connected to metal parts of the vehicles body frame or direct to the battery if your vehicle does not have a grounded chassis frame. The ground cable of this units power amp and a second powered system must be connected to the frame separately with different screws.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

# TROUBLE SHOOTING 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 MGR350B 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

1-805-751-4853 www.bossaudio.com/support



### **SPECIFICATIONS** INTEGRATED AMPLIFIER

MOSFET

• 40 stable

(All channels driven)

MAX Continuous Output: 240W

RMS Total Power Output: 80W

RCA Input Impedance: 10kΩ

· LCD: TN Type / Active Matrix

Grounding System: Negative type

Maximum Current Consumption: 15A

· 3-way protection circuitry (thermal,

overload and speaker short protection Unit Weight: 1.08lbs / 0.52kg

Power Source: 14.4VDC

• Storage Temperature: -22°F to 176°F / -30°C to 80°C

-4°F to 158°F / -20°C to 70°C

(Replace with ATG Fuse Type Only)

Replacement Fuse: 15A

(10.8V ~ 16V allowable)

PEAK Power Rating: 60W / channel

Button Backlight Illumination: BLUE LED
 F/R/S RCA Preamp Output: 2VRMS

#### FM TUNER FREQUENCY RANGE

## 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 · Channels: 4 Class: AB Frequency Response: 20-20kHz

#### AM TUNER FREQUENCY RANGE • USA 530~1710KHz

• Europe 522~1620KHz • Asia 522~1620KHz

 Australia 522~1620KHz Usable Sensitivity: 40dB (S/N=20dB)

# WEATHER BAND SELECTION

• CH.1 162.400MHz CH.2 162.425MHz

 CH 3 162 450MHz · CH.4 162.475MHz

#### • CH 6 162 525MHz CH 7 162 550MHz Bands: 1

#### BI LIFTOOTH

BT Range: 33Ft / 10M (Class 2) BT Profiles: A2DP / AVRCP 1.3

# USB DRIVE MEDIA SUPPORTED

# • WMΔ

• 65,000 Songs

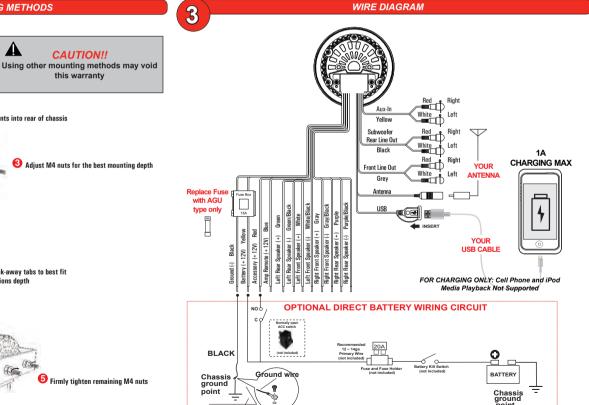
• 32GB / FAT 32

USB 2.0 High Speed

USB Output Voltage: 5VDC @ 1A

Specifications subject to change without notice

**QUICK START GUIDE** 



# **CAUTION!!**

Do not ground or short the speaker leads

## **GETTING STARTED**



# **SOURCE MODES**



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Turn the unit on Press and hold again to turn the unit off Press to pause. Press again to resume playback.

nress and hold to enter into the Auto Seek mode

Press and hold to enter into the Tuner Function modes:

Press to decrease the volume, press to increase the volume.

Tuner Mode: Press to view RDS receiver information.

REAROUT / SUBW / SUBW LPF / SUBW LEVEL Press and hold to access into the System Menu:

BT RECONNECT / BEEP ON/OFF / ABOUT / RESET

Press to access into the Audio Menu mode for adjustme

FO / XRASS / RASS / MIDDLE / TREBLE / RALANCE / FADER /

ENTER Media Playhack: Press to view ID3 information.

A-STORE / M-STORE / LOCAL / AREA / RDS / AF / TA / PTY

Press to scroll and select available Source.

Fast Forward/Rewind.

PRESET Press to scroll and select Presets 1 ~ 6

Tuner/Weather Band Mode: Press to enter into the Manual Seek mode.

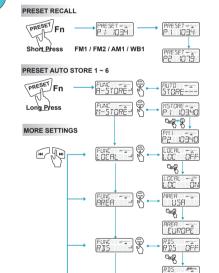
Media Playback Mode: Press to TrackUp/Down, press and hold for

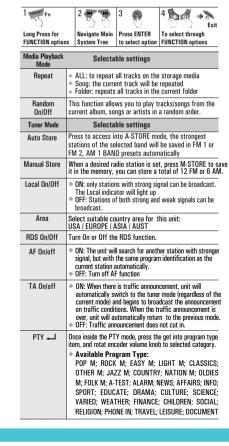
Tuner/Weather Band Mode: To change different Band. Press and hold to

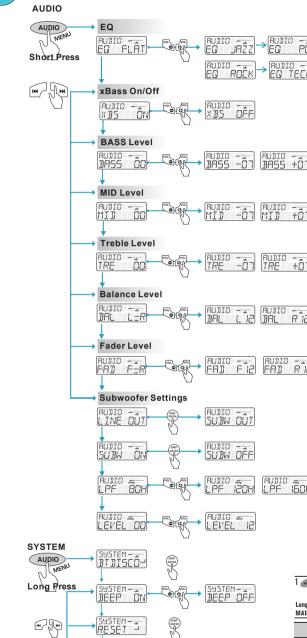
access into Auto Store mode, the strongest stations of the selected band will be saved in preset channel automatically, FM1, FM2, AM1, WB1

Media Playback Mode: Press to access into search Folder/File music mode.

#### TUNER SETUP







(C)		AUDIO and SYSTEM SETUP	
<b>6</b>	AUDIO		
	AUDIO MENU Short Press	RUDIO	
		→ xBass On/Off    RUDIO	
		BASS Level    HUIIO -   HU	
		MID CO PUDIO -	
		Treble Level    RUBIO -	
		Balance Level  BUDIO - BAL L IZ BAL R IZ	
		Fader Level  RUNIO FAD FIZ FAD FIZ  RUNIO FAD FIZ  FAD FIZ	
		→ Subwoofer Settings    RUDIO	
		FUDIO - SUBM OFF	
		RUDIO TO POPULATION RUDIO TO RUDIO RUDI	
		RUDIO CEVEL DO LEVEL 12	
	AUDIO MENU Long Press	System  BY DISCO  System  BEEP OFF  System  BEEP OFF  1 Menu 2 M 3 8 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	→ S Exit
		Long Press for Navigate Main   Press ENTER   10 select three   Navigate Main   Press ENTER   Navigate Main   Press	
		Selectable settings    Item   Selectable settings	nect to the
		paired mobile phone or Bluetooth device mar	
		BEEP_ I lurn on or off deep sound.	
Tips:	vehicles eng	rexhaustion be sure to run the newhile using this product. running the engine can drain the battery.  ABOUT  To view the device hardward and software view.	versions.
Joing all	product Willion	g. 10 out water je	



- 1) Press the SRC button to select RADIO
- 2) Press 71 to MUTE, press again to UNMUTE
- 3) To advance stations press
- 4) To skip previous stations press
- 5) Press the button to display RADIO information





RADIO 10350
PS 10350

SYSTEM ......BT

#### PAIRING & DISCOVERING A NEW BLUETOOTH CONNECTION

- 1) Power on the MGR350B by pressing and holding down the Power button for 1 second, the Bluetooth ICON will start to flash signalling that the MGR350B is now ready for Bluetooth pairing.
- 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. "BOSS MGR350" will now be display under AVAILABLE DEVICES

**BLUETOOTH OPERATION** 

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 MGR350" 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 BT connection is successful you will see BT CONNECTED message on the MGR350B LCD display, 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. Press and hold MENU button to manually connect / reconnect to the MGR350B
- 4) If the device is out of range from the MGR350B, it will disconnect automatically:
- 5)The MGR350B 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
- 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



BT SONGS

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



2) Press //II to MUTE, press again to UNMUTE HUX-IN -----

1) Press the SRC button to select AUX IN



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



