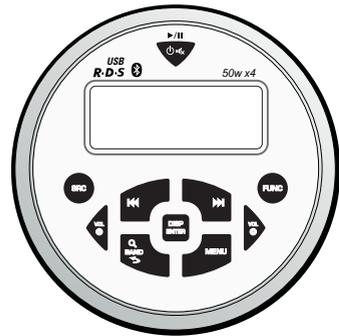


MGR001

User Manual



IPX6 Waterproof Round Radio, With BT Audio Streaming



MGR001

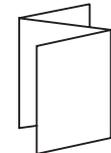
IPX6 Waterproof Round Radio, With BT Audio Streaming



Contents



Wired Remote Commander (1pcs)



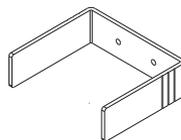
User Manual (1pcs)



M4 (8pcs)

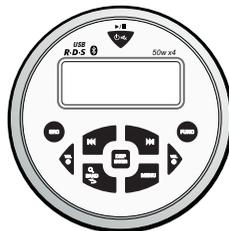


Hexagon (2pcs)



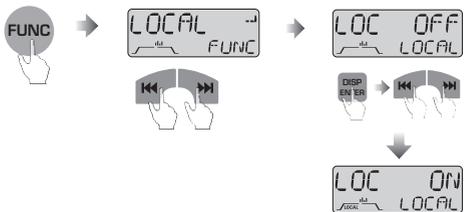
Metal Bracket (1pcs)

Key Functions



	◆ 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.
	◆ Tuner Mode: Press to enter into the Manual Seek mode, press and hold to enter into the Auto Seek mode. ◆ Media Playback Mode: Press to track Up/Down, press and hold for fast forward/backward.
SRC	Select the available Source.
FUNC	Press to enter into the Function mode.
	Press to decrease the volume, press to increase the volume.
BAND	◆ Tuner 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. ◆ Media Playback Mode: Press to access into search Folder/File music mode. ◆ Returns to the previous item.
DISP ENTER	◆ Tuner Mode: Press to view RDS received information. ◆ Media Playback: Press to view ID3 informations.
MENU	◆ Press to access into the Audio Menu mode to adjust the options: EQ7 / XBASS / BASS / MIDDLE / TREBLE / BALANCE / FADER / R-SUBW / SUBW / SUBW LPF / SUBW LEVEL ◆ Press and hold to access into the System Menu.

Adjust Function



1	2	3	4 Press the
Press and hold access into the Function mode	Press to select the item to be adjusted	Press to select a value / option	button to exit

When you press or hold the following button(s)...

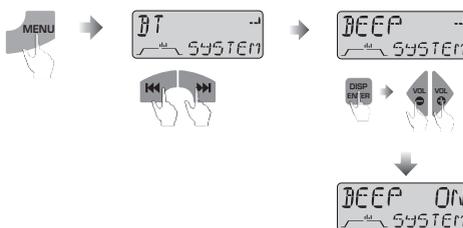
Media Playback Mode	Selectable setting
Repeat	◆ ALL: to repeat all tracks on the storage media ◆ Song: the current track will be repeated ◆ Folder: repeats all tracks in the current folder
Random On/Off	This function allows you to play tracks/songs from the current album, songs or artists in a random order.
Introl On/Off	This function allows you to play the first 10 seconds to each track on the device.

Tuner Mode	Selectable setting
Auto Store	Press to access into Auto Store mode, the strongest stations of the selected band will be saved in preset channel automatically.
Manual Stroe	When one expected radio station has been detected, press to store it in the memory.
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: EUROPE; RUSSIA; JAPAN; LATIN; MID-EAST; OCEANIA; USA; ASIA
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.

PTY	Once inside the PTY mode, press the get into program type item, and press to selected category. ◆ Available Program Type: POP M; ROCK M; EASY M; LIGHT M; CLASSICS; OTHER M; JAZZ M; COUNTRY; NATION M; OLDIES M; FOLK M; A-TEST; ALARM; NEWS; AFFAIRS; INFO; SPORT; EDUCATE; DRAMA; CULTURE; SCIENCE; VARIED; WEATHER; FINANCE; CHILDREN; SOCIAL; RELIGION; PHONE IN; TRAVEL; LEISURE; DOCUMENT
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Adjust System Menu Settings



1	2	3	4 Press the
Press and hold access into the System Menu	Press to select the item to be adjusted	Press to select a value / option	button to exit

When you press or hold the following button(s)...

Item	Selectable setting
BT	This feature allows to Reconnect or Disconnect to the paired mobile phone or Bluetooth device manually.
BEEP	Turn On or Off this beep sound.
RESET	To restore the factory default settings.
ABOUT	To view the device hardware and software versions.

Use Bluetooth Device

Pairing the Bluetooth device

- On your Bluetooth-enabled device, follow the steps below.
1. Search for Bluetooth devices.
 2. In the device list, select **MGR001**
 3. "CONNECTED" will appear on the display.
 4. The unit will automatically enter the BT Audio source and you can now start streaming audio from your Bluetooth enabled device.

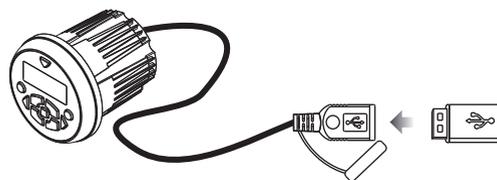
NOTE If the mobile phone doesn't support SSP (Simple Secure Pairing) Profile, please enter the pass code of "0000".

Bluetooth Audio Streaming A2DP

If the connected Bluetooth device supports Advanced Audio Distribution Profile (A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile (AVRCP) profile, you can use the control on the unit or its remote control to play music stored on the device.

1. Press **SRC** repeatedly to select [BT AUDIO].
2. Press to start play, press it again to pause.
3. To track up/down, press / .
4. Press to view song title information.

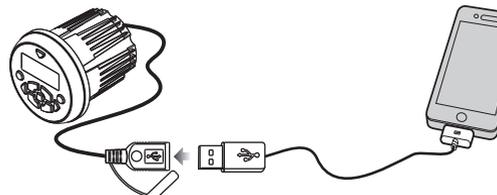
Playing a USB Device



Open the lid of USB socket, insert the USB device into the USB socket. The unit starts playing from the USB device automatically.

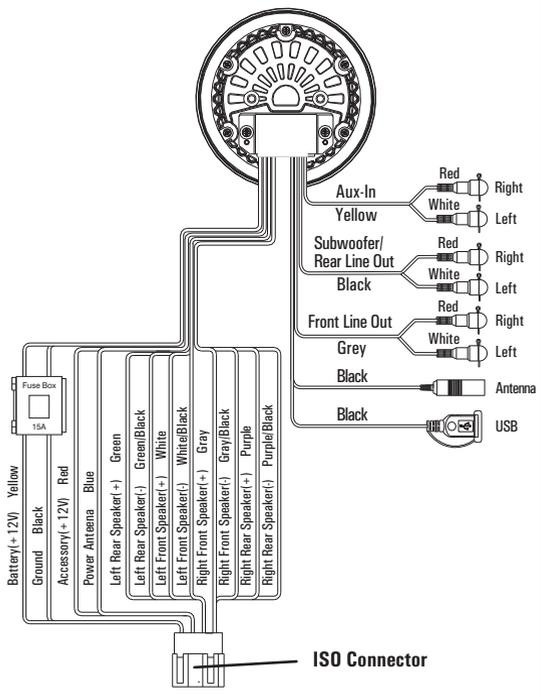
- ◆ To pause the music play, press , press this button again to resume music play.
- ◆ To skip to the previous/next track, press / .
- ◆ To search backward/forward rapidly within the current track, press and hold / .

USB 1A Charging

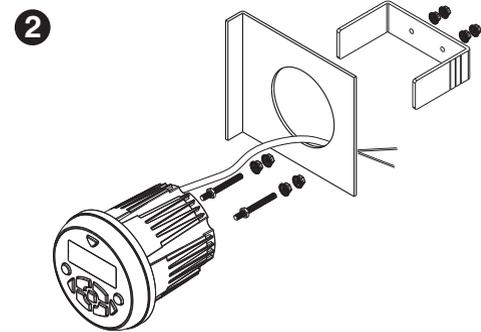
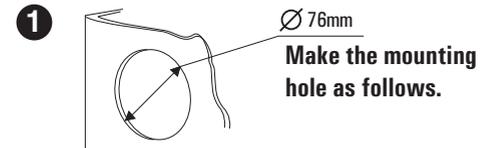


Open the lid of USB socket, insert the iPhone/Smart Phone device into the USB socket. Once the iPhone/Smart Phone is connected and recognized, the iPhone/Smart Phone begins to charge.

Wire Connection



Installation



Specification

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)

AM Tuner

Frequency Range	USA	530 ~ 1710KHz
	Europe	522 ~ 1620KHz
	Asia	522 ~ 1620KHz
	Australia	522 ~ 1620KHz
Usable Sensitivity		40dB(S/N = 20dB)

USB

USB	2.0 High Speed
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Bluetooth

Output Power	Class 2
Frequency Band	2.402GHz ~ 2.48GHz ISM Band
Range	3 Meters (Free Space)
Standard	Bluetooth 2.1 Specification + EDR/V3.0

Aux In

Aux In Level	600mV
Frequency response	20Hz ~ 20kHz
Signal/Noise Ratio	> 55dB
Distortion	0.5%

General

Maximum Power	50Wx4
Power Supply Voltage	12V DC (10.8 to 15.6V)
Grounding System	Negative Ground
Speaker Impedance	4 ~ 8 ohms per channel
Pre-AMP Output Voltage	1.7V

FCC Warning

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority 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:

- 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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.