



# G•RADIO

GR300BT AM/FM  
MARINE RADIO



## CONTENTS

INTRODUCTION .....	3
FEATURES .....	3
SUPPLIED WITH.....	3
OPTIONAL ACCESSORIES.....	3
COMPLIANCE .....	4
LISTENING TO FM IN YOUR BOAT .....	4
CONTROLS.....	4
OPERATION .....	5
On/Off.....	5
Clock.....	5
Key beeps.....	6
Adjusting the sound .....	6
Mute .....	7
Loudness.....	7
Display backlighting .....	7
Local/DX mode.....	8
Tuning for stations .....	8
Stereo/Mono mode.....	10
<b>Bluetooth</b> <sup>®</sup> operation .....	10
Auxiliary audio input.....	12
INSTALLATION .....	12
Selecting a location.....	12
Installing the unit.....	13
DC connections.....	14
Speakers .....	14
Antenna installation.....	15
SPECIFICATIONS .....	16
Standard Communications Warranty Against Defects.....	17



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

## INTRODUCTION

Congratulations on purchasing your GR300BT marine radio.

For simplicity and performance, the GME GR300BT is the entertainment unit of choice where space is limited. Using either the included gimbal mounting bracket or an optional flush mounting kit, the flexibility and size of the GR300BT is suited to vessels where there is insufficient space to install a conventional marine entertainment system.

Powerful yet compact, the GR300BT combines an AM/FM radio with **Bluetooth®** audio streaming that can be paired with any Smartphone, tablet or compatible device. A front face Lanson speaker maintains audio clarity and minimises distortion. For higher output power and full stereo sound, a pair of external speakers can be connected using the included speaker adaptor cables. An auxiliary input socket allows direct audio connection to media players that don't support **Bluetooth®** streaming.

To ensure lasting performance, the GR300BT is waterproof to IPX7\* and is UV stabilised to maintain the finish expected of a GME radio.

## FEATURES

- Compact design with bracket or flush mounting options
  - Large white backlit display with 'dim' feature
  - Ingress protection to IPX7\* (excludes external connectors)
  - Bass, treble and balance controls
  - 4 bands (AM1, AM2, FM1, FM2)
  - Built-in clock
  - 4 preset frequency memories per band
  - Over voltage and reverse polarity protection
  - **Bluetooth®** connectivity with music streaming
  - Static discharge protection at antenna input
  - Simple push button controls.
  - Auxiliary audio input
  - Front panel 'monitor' speaker
  - Available in black or white
  - FM stereo reception
- \*Refer: [www.gme.net.au](http://www.gme.net.au)

## SUPPLIED WITH

- 2 x extension speaker leads – 3.5 mm mini jack
- DC supply lead
- Mounting bracket, hardware
- Instruction manual
- Cabin Cover

## OPTIONAL ACCESSORIES

In-dash flush mounting kits – MK002W/B, MK008W/B, MK011W/B, MK100W/B

Rear flush mount kit – MK600

Choose from a range of GME antennas

Choose from a range of GME speakers

Cabin cover – CVR032W/B

Auxiliary input interface cable – LE74

## COMPLIANCE

This device complies with AS/NZS 61000.6.3:2007.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

## LISTENING TO FM IN YOUR BOAT

The majority of FM broadcasts are music programs. Compared with AM signals, FM signals have a wider dynamic range, are relatively immune to noise and provide virtually distortion free music reproduction. However, because of the nature of FM signals and the fact that FM stations are usually positioned for shore based reception, reception in a moving boat may be accompanied by problems.

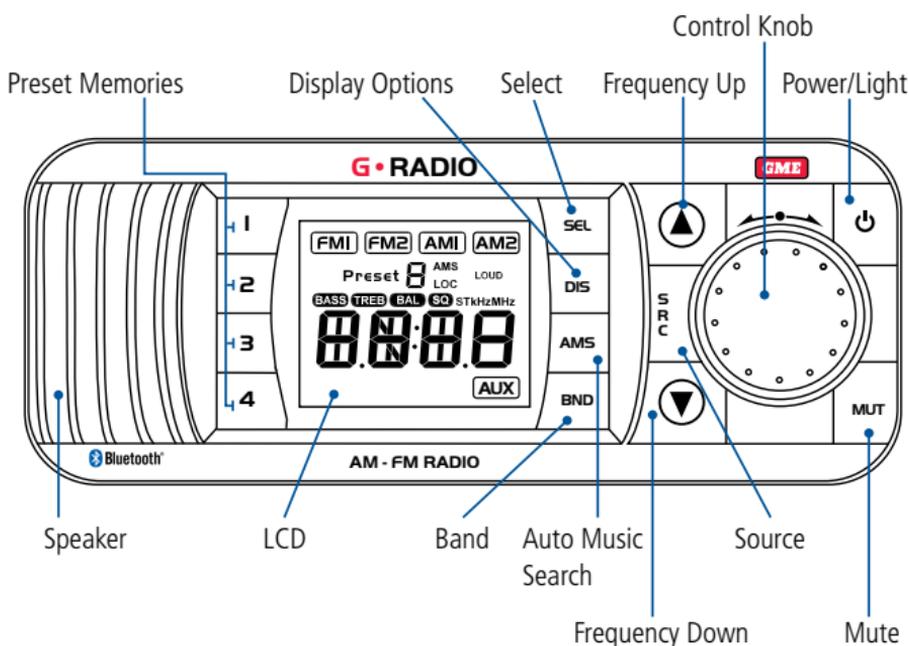
FM programs are broadcast for local reception and may not be heard satisfactorily at distant locations. To enjoy FM programs at their best, it is important that you tune to a station that is broadcasting in your locality.

FM signals can reflect from solid objects such as buildings or hills. If these reflected signals are received along with signals that are arriving directly from the transmitter, they may mix together to produce what is known as 'multipath distortion'. This distortion is heard as noise. Often, moving as little as one metre from your position will correct this problem.

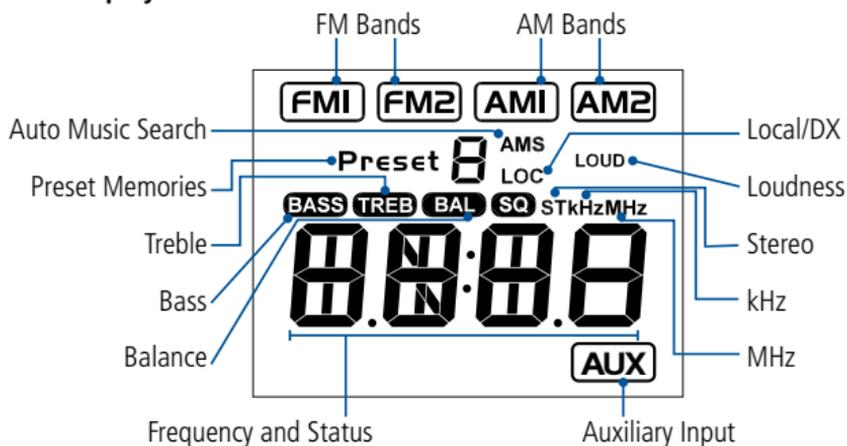
FM signals travel in straight lines. Because the signals are reflected from or absorbed by large solid objects, a signal 'shadow' may be present behind the object which may result in poor reception in that area.

## CONTROLS

### Front Panel



## LCD Display



## OPERATION

### ON/OFF

To switch the GR300BT ON, briefly press the  key.

To switch the GR300BT OFF, press and hold the  key.

**Note:** When the GR300BT is switched off, it will remember the last state it was set to and return to that state when switched back on.

### CLOCK

When the GR300BT is switched off, the LCD will (by default) display the time for as long as the power remains connected. When the GR300BT is switched on, the LCD will normally display the radio settings, but can be manually switched between the radio and the clock. To toggle the display between the radio and the clock, briefly press the **DIS** key.

**Note:** If any of the radio function keys are pressed while the LCD is in clock mode, the LCD will temporarily switch back to the radio display to allow you to make adjustments and set stations and frequencies. The LCD will then return to the clock mode after a few seconds.

### Setting the Time

1. Briefly press the **DIS** key to switch to the clock display.
2. Hold the **DIS** key until the 'Hours' flash.
3. Rotate the **Control Knob** left or right to adjust the hours. Rotate right to step forward or left to step backwards.
4. Once the Hours have been set, briefly press the **DIS** key. The 'Minutes' will flash.
5. Rotate the **Control Knob** to adjust the minutes. Rotate right to step forward or left to step backwards.
6. Briefly press the **DIS** key again to exit and display the time.

---

**Note:** The time setting will be retained as long as the 12V power source remains connected. If the 12V power source is disconnected, the time setting will be lost and will need to be readjusted once the power is restored.

---

### Selecting 12 or 24 Hour Mode

1. Press and hold the **SEL** key. 'CL XX' is displayed where XX is the clock setting.
2. Rotate the **Control Knob** left or right to make your selection.
  - (i) Select 'CL 24' to display a 24 hour clock.
  - (ii) Select 'CL 12' to display a 12 hour clock.
  - (iii) Select 'CL OF' to disable the time display whenever the GR300BT is switched off (the time display is still available when the GR300BT is switched on).

The radio will return to the normal display after a few seconds

---

**Note:** If the 12 hour clock option is selected, 'A' for AM or 'P' for PM will be displayed directly above the time.

---

### KEY BEEPS

---

The GR300BT normally provides a confirmation beep whenever a key is pressed. If preferred, the beep can be disabled. To disable the beep;

1. Press and hold the **SEL** key. 'CL XX' is displayed where XX is the clock setting.
2. Briefly press **SEL** again to access the Beep setting. 'BEEP' is displayed.
3. Rotate the **Control Knob** left or right to enable or disable the key beep.
  - (i) Select 'BEEP' to enable the key beeps.
  - (i) Select 'OFF' to disable the key beeps.

The radio will return to the normal display after a few seconds

### ADJUSTING THE SOUND

---

#### Volume

During normal use the **Control Knob** will default to the volume mode.

To adjust the volume, rotate the **Control Knob** to the right to increase the volume or to the left to decrease the volume. The volume level is displayed on the LCD in values from 0 (min) to 30 (max)

#### Bass

To adjust the Bass, briefly press the **SEL** key until the **BASS** icon is displayed. Rotate the **Control Knob** to the right to increase the Bass or to the left to decrease the Bass. The selected setting will be displayed on the LCD in values from -10 (min) to +10 (max). For a flat bass response, select 0.

## Treble

To adjust the Treble, briefly press the **SEL** key until the **TREB** icon is displayed. Rotate the **Control Knob** to the right to increase the Treble or to the left to decrease the Treble. The selected setting will be displayed on the LCD in values from -10 (min) to +10 (max). For a flat treble response, select 0.

## Balance

The balance setting adjusts the audio balance between the left and right speaker.

**NOTE:** The Balance setting is only available in the **SEL** menu when stereo speakers are connected to the external speaker sockets. When listening on the internal speaker, the Balance option will not be available.

To adjust the Balance, briefly press the **SEL** key until the **BAL** icon is displayed. Rotate the **Control Knob** to the right to adjust the balance towards the right speaker. The Balance setting will be displayed in values of R1 to R9. Rotate the **Control Knob** to the left to adjust the balance towards the left speaker. The balance setting will be displayed in values of L1 to L9. A setting of 0 indicates the balance is set equally between both speakers.

## MUTE

The Mute feature allows the radio's sound to be temporarily disabled without affecting any other settings. This is useful when making calls on your two way radio or mobile phone or during a local conversation where the radio sound is distracting.

To mute the radio, briefly press the **MUT** key. The audio will be temporarily muted and no sound will be heard from the speaker(s). While the sound is muted, 'MUTE' will flash on the display.

To cancel the Mute selection and restore the sound to its previous level, briefly press the **MUT** key again.

## LOUDNESS

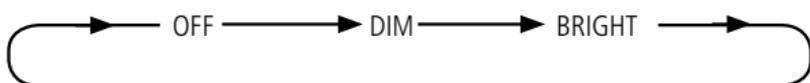
The Loudness function provides an additional Bass boost to compensate for the human ear's inability to track these frequencies at low volume settings.

To enable the Loudness function, briefly press the **SEL** key until 'LOUD' is displayed then rotate the **Control Knob** to switch the 'LOUD' icon on or off. When the Loudness setting is enabled the 'Loud' icon remains visible on the display.

## DISPLAY BACKLIGHTING

The brightness of the display backlight can be dimmed for night time viewing or can be completely switched off.

To adjust the display brightness, briefly press the **⏻** key. Each press will cycle the LCD backlight through Off, Dim or Bright settings.



## LOCAL/DX MODE

The Local/DX mode controls the receiver's sensitivity. The GR300BT can be set to high sensitivity for long distance reception (DX) or low sensitivity for local reception (LOC). Selecting Local mode when using the AMS feature will help to reduce the strength of distant weaker stations allowing only the stronger local stations to be stored in memory.

To switch the Local mode on or off, briefly press the **SEL** key repeatedly until 'LOC' is displayed. Rotate the **Control Knob** right or left to enable or disable Local mode. When enabled, the 'LOC' icon is visible on the display. If the 'LOC' icon is not visible, the radio is in the DX mode.

When the GR300BT returns to the normal display mode, 'LOC' will be displayed if Local mode is selected. If 'LOC' is not visible then DX mode is selected.

## TUNING FOR STATIONS

### Selecting USA or European Receiver Standards

The GR300BT supports USA and European standards for AM and FM frequency bands. Australia and New Zealand conform to the European standard which is the GR300BT's default setting. Owners in the USA should select the USA standard.

To switch between standards, press and hold the **BND** key for 4 seconds. The GR300BT will briefly display 'E' at the top of the LCD for European or 'U' for USA. The 'E', 'U' symbol will disappear after a few seconds.

The differences between the European and USA bands are listed below.

COUNTRY	BAND	FREQUENCY	STEP
European	FM	87.5 – 108 MHz	± 100 kHz
	AM	522 – 1620 kHz	± 9 kHz
USA	FM	87.5 – 108 MHz	± 100 kHz
	AM	530 – 1710 kHz	± 10 kHz

### Select a Frequency Band

The GR300BT has 4 selectable frequency bands labelled AM1, AM2, FM1 and FM2. Each band has 4 memories providing a total of 8 AM and 8 FM stations to be stored for easy retrieval.

To select the desired frequency band briefly press the **BND** key. Each press will advance to the next band in the sequence and the corresponding icon **(AM1)**, **(AM2)**, **(FM1)** or **(FM2)** will appear on the display to confirm your selection.

### Manually Tuning the Frequency

Briefly press the **▲** or **▼** key to step upwards or downwards in frequency. The frequency will be displayed on the LCD at each key press.

## Scanning for Stations

Press and hold the ▲ or ▼ key to automatically scan for stations in the direction selected. The scanning will stop when a station is found and the frequency will be displayed.

## Memory Keys

The GR300BT has 4 preset memory keys which allow up to 4 frequencies to be stored and recalled within each band. Because there are two identical AM bands and two identical FM bands, this allows 8 AM and 8 FM preset memories. The memories can be stored manually or automatically.

## Manually Locating and Storing Station Frequencies in the Preset Memories

1. Press the **BND** key repeatedly to select the required band.
2. Briefly press the ▲ or ▼ key to manually step through the frequencies or press and hold the ▲ or ▼ key to automatically scan for the next station.
3. Once the required station is tuned, press and hold one of the four memory keys. 'Preset X' will be displayed when X is the memory number selected (**1, 2, 3 or 4**).



Repeat the steps above to store other frequencies into the preset memories.

**NOTE:** When tuning stations, if the selected frequency has already been stored, the preset memory number will be displayed whenever that frequency is selected.

## Recalling Stations from the Preset Memories

Select the required band (AM1, AM2, AM3 or AM4) then briefly press the desired memory key. The GR300BT will switch to the frequency stored in that memory and the selected memory number will be displayed (e.g. Preset 2).

## Automatic Music Search (AMS)

The AMS feature allows the GR300BT to search the selected AM or FM band for stations and automatically store the first eight stations into the station memories. Scanning will start at the lowest frequency in the band and scan upwards storing stations as they are located.

**NOTE:** To store only the strongest stations, select 'Local' mode before scanning.

## To store AM stations using AMS

1. Briefly press the **BND** to select AM1 or AM2.
2. Hold the **AMS** key until the radio starts scanning for stations. The 'AMS' icon will appear and stations will be stored into memory locations 1 – 4 in the AM1 band. The radio will then switch to the AM2 band and any further stations will be stored.
3. When the scan has completed, the radio will switch to the AM1 band and play the station stored in Memory location 1 ('Preset 1' will be displayed).
4. Briefly press other memory keys or select the AM2 band to hear stations stored into other memories.

## To store FM stations using AMS

1. Briefly press the **BND** to select FM1 or FM2.
2. Hold the **AMS** key until the radio starts scanning for stations. The 'AMS' icon will appear and stations will be stored into memory locations 1 – 4 in the FM1 band. The radio will then switch to the FM2 band and any further stations will be stored.
3. When the scan has completed the radio will switch to the FM1 band and play the station stored in Memory location 1 ('Preset 1' will be displayed).
4. Briefly press other memory keys or select the FM2 band to hear stations stored into other memories.

---

**Note:** To cancel the AMS function while searching, briefly press the ▲ or ▼ key.

---

## STEREO/MONO MODE

---

The Stereo/Mono function can be selected for the FM band when the external stereo speakers are attached. If the GR300BT is only operating from the internal speaker, Stereo/Mono selection is not available.

To switch between Mono and Stereo FM modes, briefly press the **SEL** key until 'MONO' or 'ST' is displayed. Rotate the **Control Knob** to select the required option.

For normal stereo listening on the FM bands, select stereo. If the FM station is weak and noisy, select Mono to disable stereo detection and improve the quality of the reception. When Stereo is selected and a stereo signal is being received, the 'ST' icon is displayed. When Mono is selected, there is no indication on the display.

## Bluetooth® OPERATION

---

**Bluetooth®** is a short range wireless system used to transfer data between devices. Using **Bluetooth®**, your smart phone or **Bluetooth®**-enabled portable media player is able to stream music wirelessly to your GR300BT.

---

**Note:** The GR300BT supports music streaming only. It does not support the making or receiving of telephone calls.

---

## Pairing your smart phone or portable media player for the first time

1. On your smart phone or portable media player, select the 'Settings' option and select 'Bluetooth'. If **Bluetooth**® is currently switched Off on your device, switch it On.
2. View the list of nearby **Bluetooth**® devices (some devices require you to tap 'SCAN' to populate the list). The GR300BT will appear in the list as 'GR300BT'. Select 'GR300BT' as the desired device.
3. Your device will display 'Pairing' as the connection takes place. The GR300BT will then appear in your smart phone's list of paired devices as 'Connected to media audio' or similar.

## To reconnect an already paired device

1. On your smart phone or portable media player, select the 'Settings' option and select 'Bluetooth'. If **Bluetooth**® is currently switched Off on your device, switch it On.
2. Locate 'GR300BT' in the list of paired **Bluetooth**® devices and select it to connect to the GR300BT.
3. The 'GR300BT' status in the list of paired **Bluetooth**® devices will change from 'Paired' to 'Connected to media audio'.

## To play music from your connected media device

Briefly press the **SRC** key on the GR300BT until 'BT' is displayed as the input source.

Using your connected smart phone or media player, select and play your desired music. The sound will be heard through the GR300BT. Adjust the volume on your media player to around 80% for best results.

## To disconnect your device from the GR300BT

1. On your smart phone or portable media player, select the 'Settings' option and select 'Bluetooth'.
2. Locate and select 'GR300BT' in the list of paired **Bluetooth**® devices and select the 'Disconnect' or 'Unpair' option to disconnect from the GR300BT.
3. After **Bluetooth**® has disconnected, your GR300BT will automatically return to the radio mode.

---

**Note:** The 'BT' option on your GR300BT will only be available under the **SRC** key while your GR300BT is connected to your smart phone or media player. If 'BT' is not available you will need to reconnect your device to the GR300BT as described above.

---

## Controlling your connected Media Device

While playing music through **Bluetooth**<sup>®</sup>, use the following keys on your GR300BT to control the music playback

- Press the ▲ key to skip the current song and play the next song.
- Press the ▼ key to step to the start of the current song. Press the ▼ key again to step back to the previous song.
- Press the 1 key to Pause/Play the current song.

## Bluetooth<sup>®</sup> Range

Under normal conditions the **Bluetooth**<sup>®</sup> range should exceed 10 meters, however if you move your smart phone or media player out of range of your GR300BT, the **Bluetooth**<sup>®</sup> connection will eventually drop-out and your music player will pause.

## AUXILIARY AUDIO INPUT

An auxiliary audio input lead with a 3.5 mm socket is fitted to the GR300BT rear panel to allow a direct audio connection from an external audio playback device or MP3 player. Connection is made using a 3.5 mm to 3.5 mm accessory lead. A suitable accessory lead (LE74) is available from your GME dealer.

To access the audio input, press the **SRC** key repeatedly until the 'AUX' icon appears. 'In' will be displayed.

**Note:** If ' - - - ' is displayed instead of 'In' when the AUX input is selected, the 3.5 mm accessory lead has not been connected.

## INSTALLATION

**NOTE:** Your GR300BT is designed for connection to negative earth electrical systems only.

## SELECTING A LOCATION

It is advisable to spend a little time selecting the best location for your GR300BT. The radio can be mounted to a shelf or panel using the supplied gimbal bracket. Alternatively it can be flush mounted using an optional flush mount kit.

### Keep the following points in mind when choosing a location

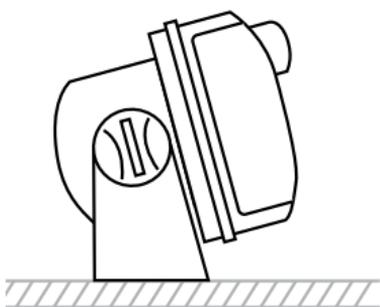
- The GR300BT is designed to meet IPX7\* standard. However we recommended you select a location that will minimise excessive exposure to continuous rain or spray.
- Select a location that won't expose your radio to continuous direct sunlight which could cause overheating.
- Ensure the location allows a free flow of air around the heat sink on the back of the radio.
- Components and currents in the radio create magnetic fields. To avoid interference to compasses, ships autopilot sensors etc, the GR300BT should be mounted at least 300 mm from such devices.

## INSTALLING THE UNIT

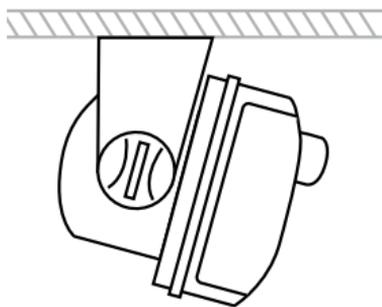
### Gimbal Mounting

The mounting bracket can be rotated above or below the radio enabling the radio to be mounted to a wide range of locations.

After choosing a location, hold the unit with the mounting bracket attached, to the desired position and mark the location with a pencil. Remove the mounting bracket from the radio and drill the mounting holes. Bolt or screw the bracket in place using hardware suitable for the mounting surface. The unit is supplied with stainless steel screws; however, if the mounting surface is unsuitable for screws you may need to replace these with stainless steel bolts. Remember the fixings for overhead mounted units may have to withstand heavy pounding when a vessel is in rough water or being towed on a trailer over rough road.



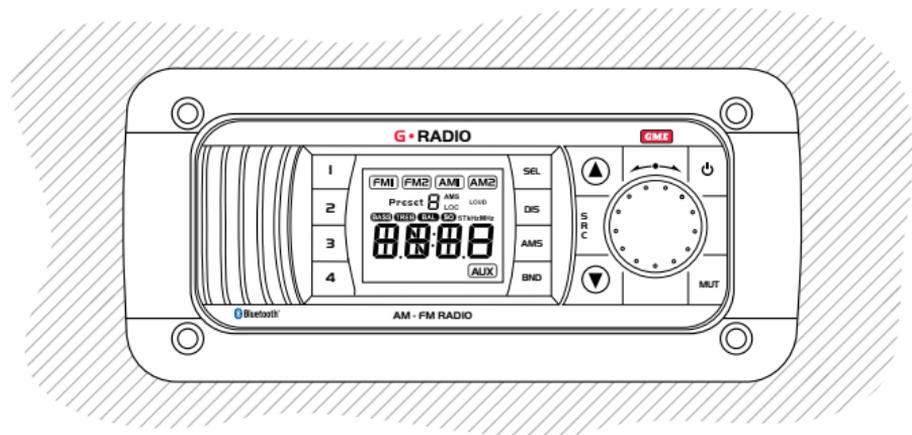
Upright Mounting



Overhead Mounting

### Flush Mounting

The GR300BT can be flush mounted using the optional MK008 flush mounting kit. A cutting template and full mounting instructions are provided with the kit.



Flush Mounting using the optional MK008 mounting kit.

## DC CONNECTIONS

Please refer to the wiring diagram in the 'Speakers' section of this instruction manual.

Connect the **RED** power lead to the Positive (+) side of the battery or to an accessory point in the vessel or vehicle's fuse box that provides a +12 volt connection.

Connect the **BLACK** power lead to the Negative (-) side of the battery or to a ground point in your vessel or vehicle.

**IMPORTANT:** The **RED** power lead is fitted with a 6 amp fuse. If the fuse blows, use only a standard 6 amp (3AG) fuse as a replacement. Use of a higher rated fuse or a slow-blow type could result in damage to your radio which would void the warranty.

## SPEAKERS

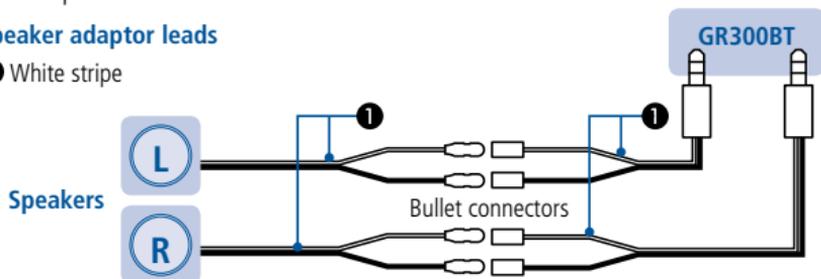
For simple installations, the GR300BT can be installed without external speakers. The GR300BT's internal monitor speaker can provide good quality mono sound suitable for many applications. However, for full stereo sound and higher output power you will need to connect a pair of external speakers using the speaker adaptor leads supplied. The GR300BT's internal monitor speaker is automatically disconnected when the external speakers are plugged in.

If connecting external stereo speakers to your GR300BT, they should be connected to the Left and Right speaker sockets at the rear of the unit. Note that the speaker sockets are fitted with protective covers to protect against water ingress when not in use. The GR300BT is supplied with two speaker adapter leads which are designed to accept the standard bullet connectors commonly found on most marine and automotive stereo speaker cables. The plugs on the speaker adapters plug into the matching the sockets on the rear of the GR300BT. The speaker adapters are labelled left and right and should be matched with the labels on the speaker socket cables to ensure correct speaker phasing.

When connecting the speakers, observe the correct speaker polarity by matching the white stripes on the speaker leads with the white stripes on the adaptor cable as shown in the diagram. Incorrect polarity (speaker phasing) will result in a reduction of bass response and stereo effect.

### Speaker adaptor leads

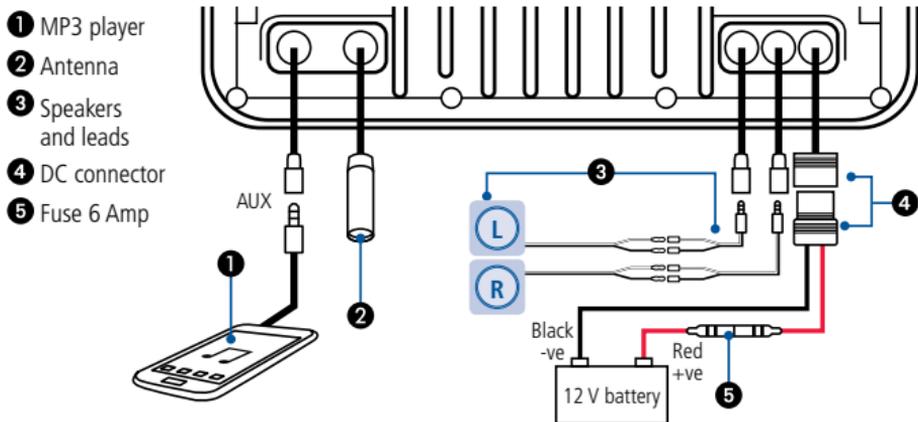
① White stripe



The use of speakers with an impedance of less than 4 Ohms is not recommended as they will cause excessive loading of the GR300BT's output circuit.

**Note:** The GR300BT is a two speaker system that requires one pair of wires for each speaker. Do not short the speaker wires together or touch them to the supply voltage or to ground otherwise damage to the amplifier may result.

Once the external stereo speakers are connected you can adjust the balance between the left and right speaker using the Balance function available via the **SEL** key.



## ANTENNA INSTALLATION

It is essential to select a good quality AM/FM antenna. A poor quality antenna will not provide good performance. We recommend you contact your local dealer for advice.

The antenna should be mounted in a position as high as practical to ensure good reception especially in areas of low signal strength. When installing the antenna, ensure a minimum clearance of around 20 cm from bow or stern rails or windscreen frames etc. It is also recommended the antenna be placed at least one metre from two-way radio antennas to minimise interference from radio transmissions.

To connect the antenna to your GR300BT, simply plug the antenna lead into the fly-leaded antenna socket on the rear of the unit. The socket accepts a standard AM/FM radio bayonet connector.

**Note:** The antenna socket is not waterproof.

## Noise Suppression

The inherent design of FM radios results in a high level of resistance to ignition and electrical interference however electrical interference on AM radio can be almost impossible to eliminate. To help minimise any interference, take extra care during the installation. Try to route the DC battery leads, the antenna lead or any accessory wires away from the engine compartment, ignition or alternator wiring. A suppression kit may also help to reduce excessive electrical noise. Contact your local marine dealer or radio installer for more information.

If the interference you are experiencing is from other nearby electronic equipment such as a depth sounder, try to keep the depth sounder's DC leads and transducer cable well away from your GR300BT's wiring.

## Waterproofing the Connections

After installation, the power, speaker and antenna connectors should be wrapped in waterproof tape (or similar) to minimise the risk of corrosion or water damage. Do not use normal electrical tape as this will not provide an adequate seal against water. The connectors should then be positioned where they are not directly exposed to the elements.

## SPECIFICATIONS\*

### GENERAL

---

Complies with:	AS/NZS 61000.6.3:2007
Frequency Range:	AM and FM
Channel Set:	USA and European Broadcast Bands
Supply Voltage Range:	10.8 – 15.6 V DC negative earth
Current Protection:	6 amp 3 AG fuse

### RECEIVER

---

MW (AM) Frequency Range:	522 – 1620 kHz, 9 kHz step (EU/AUS/NZ) 530 – 1710 kHz, 10 kHz step (USA/CANADA)
FM Frequency Range:	87.5 – 108 MHz, 100 kHz step (EU/AUS/NZ) 87.5 – 108 MHz, 100 kHz step (USA/CANADA)
Audio Output Power:	2 x 40 watts P-P (2 x 15 watt RMS)
Current Consumption:	Full volume < 5.1 amps

### SENSITIVITY

---

AM:	-101 dBm 12 dB SINAD
FM:	-101 dBm 30 dB SINAD

### MECHANICAL

---

Unit Dimensions:	164 (W) x 65 (H) x 70 (D) mm
Unit Weight:	540 g approximatively
Flush Mounting Depth:	55 mm minimum

### ENVIRONMENTAL

---

Ingress Protection Rating:	IPX7 (connectors not included) Refer: <a href="http://www.gme.net.au">www.gme.net.au</a>
Temperature Range:	-10°C to +60°C
Solar Radiation:	Case UV stabilised
Compass Safe Distance:	300 mm

### EXTERNAL CONNECTIONS

---

DC Supply:	2 Pin polarised plug socket
External Speakers:	3.5 mm phone jacks
Auxiliary input:	3.5 mm stereo phone jack

---

\*All specifications are typical and subject to change without notice or obligation.

## STANDARD COMMUNICATIONS WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our or GME). Our contact details are set out in clause 2.7. This warranty statement only applies to products purchased in Australia. Please contact your local GME distributor for products sold outside of Australia. Local distributor details at: [www.gme.net.au/export](http://www.gme.net.au/export).

### 1. Consumer guarantees

- 1.1 Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

### 2. Warranty against defects

- 2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.
- 2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.
- 2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited.
  - (a) In the case of goods we supply, to any one of the following as we decide –
    - (i) The replacement of the goods or the supply of equivalent goods.
    - (ii) The repair of the goods.
    - (iii) The cost of repairing the goods or of acquiring equivalent goods.
  - (b) In the case of services we supply, to any one of the following as we decide –
    - (i) The supplying of the services again
    - (ii) The cost of having the services supplied again.
- 2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.
- 2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.
- 2.6 To make a warranty claim you must before the end of the applicable warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.

## 2.7 Send your claim to:

Standard Communications Pty Ltd.  
17 Gibbon Rd, Winston Hills, NSW 2153, Australia.  
Tel: (02) 8867 6000 Fax: (02) 8867 6199.  
Email: servadmin@gme.net.au

2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

## 3. What this warranty does not cover

3.1 This warranty will not apply in relation to:

- (a) Goods modified or altered in any way.
- (b) Defects and damage caused by use with non Standard Communications products.
- (c) Repairs performed other than by our authorised representative.
- (d) Defects or damage resulting from misuse, accident, impact or neglect.
- (e) Goods improperly installed or used in a manner contrary to the relevant instruction manual;  
or
- (f) Goods where the serial number has been removed or made illegal.

## 4. Warranty period

4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

PRODUCT TYPE	WARRANTY PERIOD
Land and marine entertainment systems	1 year



 **1300 463 463**  **[gme.net.au](http://gme.net.au)**

A division of Standard Communications Pty Ltd.

Head Office: PO Box 96, Winston Hills, NSW 2153, Australia.

New Zealand: PO Box 58446 Botany, Auckland, 2163, NZ. T: (09) 274 0955.

All international enquiries email: [export@gme.net.au](mailto:export@gme.net.au)