



GD9600

Marine Stereo System

GD9620W • GD9620B

GD9640W • GD9640B



INSTRUCTION MANUAL

www.gme.net.au

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**GME STRONGLY RECOMMENDS THAT YOU KEEP THIS MANUAL
IN A SAFE PLACE FOR FUTURE REFERENCE**

FEATURES

- AM/FM radio, DVD/CD Player
- MP3 via CD/USB/SD card and auxiliary input
- 4 x 45 Watt power output
- Conformally coated PCBs for harsh marine environment.
- Rugged and waterproof case, made using high impact UV protected plastics.
- Waterproof to IP56
- Backlit LCD screen
- Infrared remote control
- iPod* connectivity via optional interconnect cable
- Portable MP3 player input
- Optional wired remote
- Available in black or white

*iPod is a trademark of Apple Computer Inc., registered in the U.S. and other countries.

ACCESSORIES SUPPLIED

The GD9600 is supplied with the following standard accessories:

- Main unit
- Remote control Handset (RCW9600)
- USB adaptor
- DC/speaker cable harness
- Flush mount support kit and template
- Spare flush mount screw caps (4)
- Owner's manual

Please immediately contact your point of purchase if any of these components are missing.

INTRODUCTION

Congratulations on the purchase of the GME GD9600 series Marine Stereo system, arguably the finest marine audio product available today. Your GD9600 has been designed with both the music buff and boat owner in mind.

The GD9600 series has been developed by utilising a combination of the very latest in digital electronic technology and the design expertise gained by GME engineers over several decades of marine product development. With all circuitry conformally coated, exposed metalwork protected against the harsh marine environment and contained in a UV stabilised water resistant polycarbonate housing, the GD9600 will ensure many years of reliable service.

Ever attentive to customer needs, GME offers the GD9600 in two discrete configurations. For the smaller vessel where exposure to the elements is greater, the fully enclosed GD9640 is ideal, for larger cruisers or yachts where bulkhead installation is the preferred option, the GD9620 is the perfect solution.

The GD9600 has all the attributes expected in a superior stereo system, furthermore, the industry first inclusions of SD and USB inputs and iPod® compatibility, will ensure the GD9600 is destined to become the standard by which all marine stereo systems are measured.

Read this instruction booklet carefully, drop in your favourite music selection, sit back and enjoy the sounds that cannot fail to impress even the most critical audiophile.

PRODUCT DESCRIPTION AND MODEL DESIGNATORS

The GD9600 series is available in the following formats:

GD9620W (White) and GD9620B (Black)

Designed for flush mounting into bulkheads or dashboards where the rear case of the product is not exposed to any water ingress or moisture. The GD9620 has a semi open rear case to permit heat dissipation generated by operating the system at high volumes for extended periods of time.

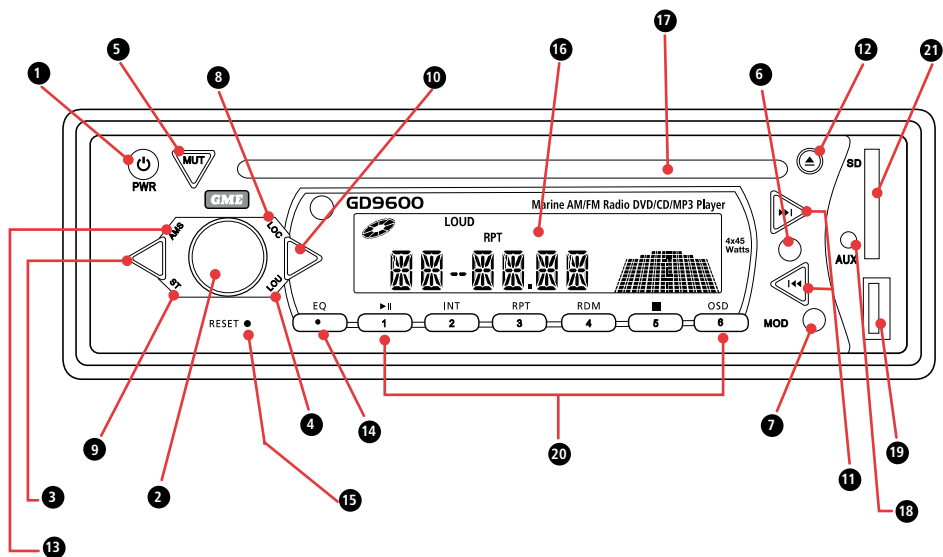
GD9640W (White) and GD9640B (Black)

Designed with a fully enclosed waterproof marine housing to enable installation on open boats or in areas where occasional water exposure is possible. The GD9640 utilises GME's unique 'Big Gun' custom heat dissipater to avoid any overheating or component damage in situations of prolonged use at high volumes or in areas of high ambient temperatures.

Type of disc	Recorded material	Size of disc
DVD	Sound and moving pictures	12 cm
VCD	Sound and moving pictures	12 cm
MP3/WMA	Sound only	12 cm
MPEG4*/DIVX*	Sound and moving pictures	12 cm
CD	Sound and still pictures	12 cm

NOTE: The unit is compatible with DVD, DVD +/-R, VCD 1.0/2.0/3.0, SVCD, CD, CD-R, CD-RW and JPEG

CONTROL LOCATIONS

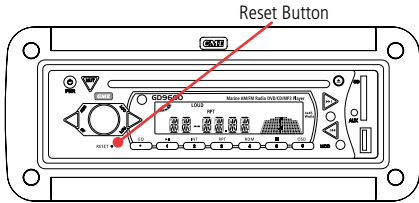


- 1 Power On/Off
- 2 Volume Control
- 3 Select
- 4 Loudness
- 5 Mute
- 6 Clock/Time Selector
- 7 Mode Switch
- 8 LOC/DX Selector
- 9 Stereo/Mono
- 10 Band Selector
- 11 Tuning/Selecting Tracks
- 12 Eject
- 13 Auto Music Search
- 14 EQ settings (Flat, Classic, Rock + POP)
- 15 Reset Button
- 16 LCD Display
- 17 CD Slot
- 18 Auxiliary Input
- 19 USB Input
- 20 Preset memory Keys and CD/MP3 functions.
- 21 SD Card Input

INSTALLATION

INSTALLATION PRECAUTIONS

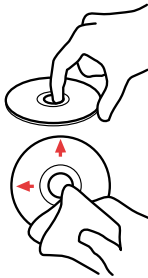
If you are connecting your GD9600 for the first time or have just reconnected your boat battery and you are experiencing problems with the unit's operation, we suggest you try resetting the unit. The reset button is located under the volume face panel. Gently press the reset button with a paper clip or similar object.



The preset station memories and clock time are retained only while the yellow 'Memory 12 V+' lead is connected (see Electrical Wiring section). If the battery is disconnected or switched off at the master switch, or the unit is removed from the vessel, the station memories will be lost and the clock will need to be reset.

HANDLING COMPACT DISCS

- Handle the CD/DVD by it's edge, avoid touching the disc surface.
- Store your discs away from direct sunlight or heat sources. Keeping the disc in it's original case will help to avoid damage.
- Clean the disc with a soft cloth from the centre to the outer edge, (see diagram) rather than in a circular motion. Do not use solvents.

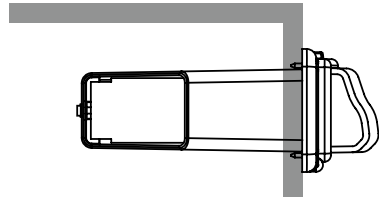


MOISTURE CONDENSATION

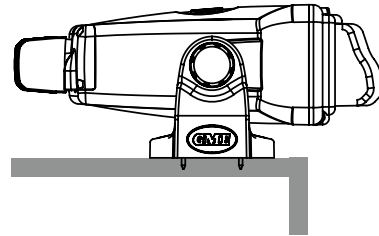
Your GD9600 uses optical laser technology. Occasionally damp or humid conditions may cause condensation to appear on the lenses inside the unit. Should this occur, the unit might not operate correctly. Simply eject the disc and leave the unit turned on for a while until the moisture evaporates.

LOCATION

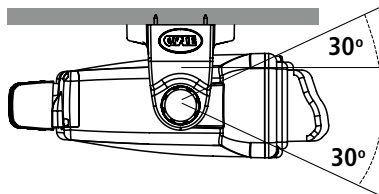
The GD9600 is available in a range of mounting configurations to enable it to be installed in the most convenient position. GME recommends that the unit should be mounted in a position that is free from direct sunlight and excessive vibration.



GD9620 Flush Mounted



GD9640 On-Dash Mounted



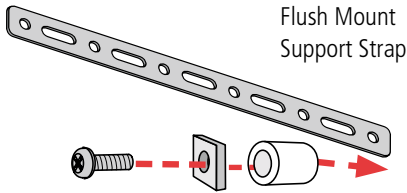
GD9640 Overhead Mounted

Note. The GD9600 should not be mounted at angles greater than 30° above or below the horizontal.

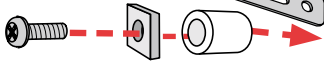
FLUSH MOUNTING - GD9620

The GD9620 can be neatly flush mounted into a panel or bulkhead so that just the controls and the protective cover are visible.

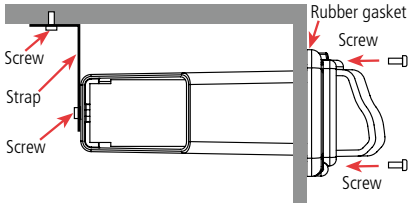
Using the template provided, select a suitable location on a panel or bulkhead. Examine behind the panel to determine the best method of support. If the thickness of the panel is not sufficient to support the unit, it will be necessary to use the strap supplied (see following diagrams).



Flush Mount Support Strap



Rear centre Screw with Spacers

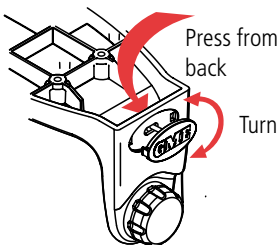


* Use the rubber mounting gasket supplied. Place the gasket between the plastic housing and the mounting surface. This will improve the contact between the mounting surface and stereo housing.

BRACKET MOUNTING - GD9640

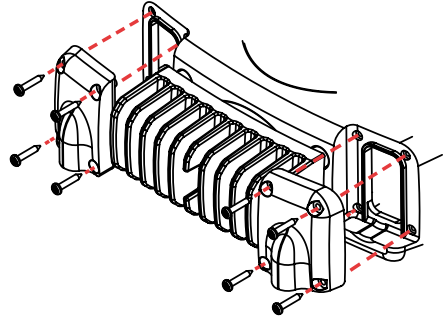
1. Attach the GD9640 to the mounting bracket using the two gimbal knobs.
2. Temporarily position the GD9640 in the desired location and roughly mark the location of the bracket edges. Now, remove the unit from the bracket and reposition the bracket at the desired location to mark the mounting hole positions.
3. Screw or bolt the bracket into position. The mounting method will depend on the material to which the bracket is being attached.
4. Refit the GD9640 into the bracket and adjust to the desired angle before tightening the gimbal knobs.
5. Complete the antenna lead and electrical wiring as described later.

For overhead mounting, the GME logos on the side of each bracket can be rotated as shown right.

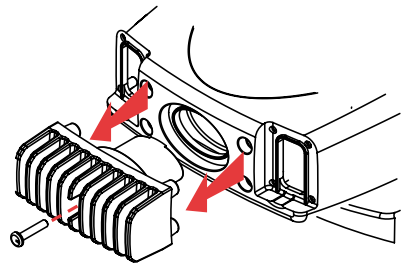


FLUSH MOUNTING - GD9640

Although the GD9640 is a bracket mounted unit, it can be flush mounted by following the disassembly instructions below.

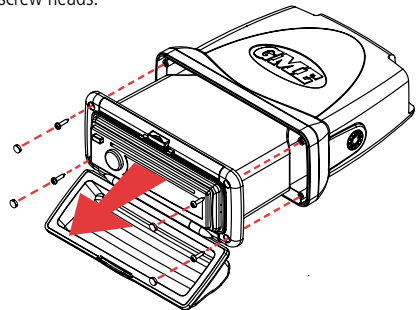


1. Remove the 4 screws from each cable clamp panel at rear.
2. Remove the screw from the centre of the heat dissipater and remove.



3. Remove the 4 screw caps and 4 screws from the front case and slide the unit out completely.

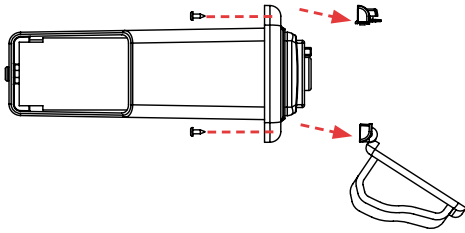
Your GD9640 can now be flush mounted. Replacement screw caps have been provided to cover the exposed screw heads.



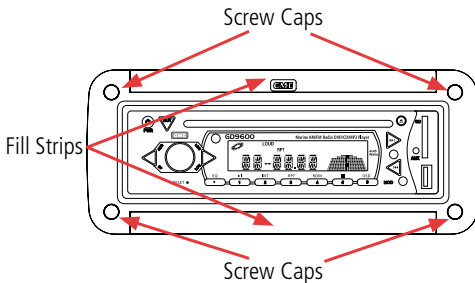
* Note rubber mounting gasket not supplied with GD9640 unit.

REMOVING THE CLEAR COVER

If your GD9600 will be mounted in a dry protected location away from the possibility of water ingress, the front clear cover can be permanently removed



1. Remove the 4 screws from the top and bottom inside edge of the mount frame as shown above. Remove top latch assembly and clear cover..



2. Fit replacement fill strips as supplied into top and bottom frame edges.
3. Mount your unit into the bulkhead. Use the screw caps supplied to cover screw heads.

ELECTRICAL WIRING

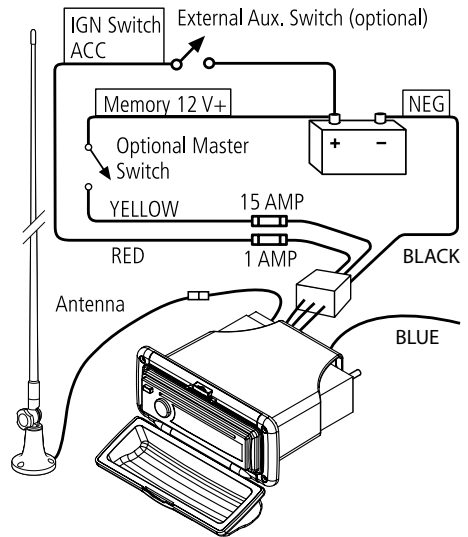
DC Connections

Caution: The GD9600 is designed for vessels with a 12 Volt negative ground electrical system only!

Referring to the wiring diagram below:

1. Connect the Yellow wire directly to the positive terminal of the vessel's battery, or to a point that has +12 Volts available at all times. This lead maintains the memories within the GD9600 and is the main power source for the unit.
2. Connect the RED wire to the vessels +12 V supply via an appropriate isolating switch or circuit breaker. This lead enables the radio to be switched ON and OFF. Alternatively, this wire can be connected directly to the battery's positive terminal and the GD9600 switched ON and OFF using it's own controls.

3. Connect the BLACK wire to the battery's negative terminal or to the common negative bus in the electrical system



Important: Your GD9600 is able to maintain it's memories when it is switched off using the **PWR** button by drawing power directly from your battery via the YELLOW 'MEMORY 12 V+' lead. Although the memory backup current is very small (about 20 mA) it may eventually discharge your battery if left connected indefinitely. The time taken to completely discharge your battery could vary depending on its Amp-hour rating and battery condition.

If you do not run your boat's motor regularly or your battery is not kept charged between outings (e.g. Solar or wind charger), we recommend you disconnect the YELLOW lead each time you secure or trail your boat. This is easily done by connecting the YELLOW 'MEMORY 12 V+' lead via a Master switch, which can be switched off after each outing. This will mean you will lose all your preset station memories and clock settings.

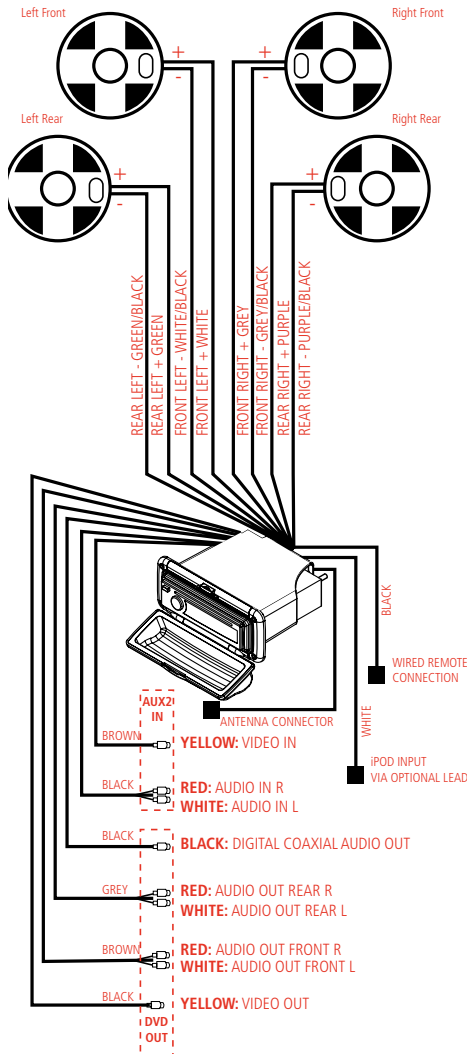
The blue wire on the wiring loom supplies 12 Volts when the GD9600 is switched on and can be used to turn on an external device, like the GME GA9800 marine amplifier, or enable the back light on the GME RCU9200 wired remote.

Caution: The GD9600 is a four-speaker system that requires 2 separate wires for each speaker.

A range of GME speakers are available from your local GME retailer.

Speaker Connections

When connecting the speakers, observe the correct polarity as shown in the diagram below. Incorrect polarity will result in a reduction of bass response and stereo effect. The use of speakers with an impedance of less than 4 Ohms is not recommended, as they will cause excessive loading of the GD9600's output circuit and may result with the radio overheating.



Connect all four speakers as shown in the previous diagram. Adjust the Fader control for the required front/rear balance. If you wish to connect only two speakers, connect these to the Rear speaker wires. The remaining speaker wires should be insulated to ensure they cannot short circuit together or to the vessel's 12 Volt or negative electrical Bus. If using only two speakers, adjust the Fader control to the rear speakers.

Antenna Connections

Connect an AM/FM marine antenna to the antenna socket which extends from the rear of the GD9600. For information on a suitable antenna, contact your nearest GME branch or marine retailer.

Wired Remote Control

The GD9600 has 1 additional fly lead at the rear enabling a GME wired remote (RCU9200) to be connected. One or more additional 5 meter leads (LEO24) can also be inserted if required up to a maximum of 15 meters.

iPod® Connectivity

The GD9600 has a 2nd fly lead which, when connected with an LEO23 (optional 1.1 meter lead), enables an iPod® to be connected directly to the stereo. Limited functions of the iPod® can be accessed via the GD9600, including the selection of albums and songs. Access to displaying the iPod® library on the GD9600 is not available however the iPod library and all functions can be viewed on the iPod.

Reset Button

When the installation is complete, press the Reset button on the face using a paper clip or similar object (see 'INSTALLATION PRECAUTIONS' on page 4). This will ensure the GD9600 is ready to operate for the first time. If at any time the controls do not seem to work (after replacing the vessel's battery for example), press the Reset button to reset the microcomputer inside the GD9600.

FUSE REPLACEMENT

If any of the fuses blow, replace them with a standard 30 mm 3 AG type of the same rating, if the fuse blows a second time contact your retailer.

The following fuse ratings are used:

- Yellow 'Memory 12 V +' lead: 15 Amp.
- Red 'Ignition Switch ACC' lead: 1 Amp.

GENERAL FUNCTIONS

1 Power ON/OFF

To turn the GD9600 **ON**, press the **PWR** Button. The unit will resume the mode and settings that were selected when last turned OFF.

While the GD9600 is switched on, briefly press the power button to change the brightness of the back lighting. There are three levels of back lighting available.

To turn the GD9600 **OFF**, press and hold the **PWR** button again. Note that when the GD9600 is turned **OFF** the clock is displayed without the backlight.

2 Audio/Volume Control

The Volume, Bass, Treble, Balance and Fader controls are selected electronically. The default setting is the Volume Control.

To select an alternative control, press the **SEL** button **3** until the desired function is displayed on the LCD. Each press cycles to the next function in sequence. Adjustment of the selected control function is made using the large rotary knob **2**.

4 Loudness

Pressing the **LOU** button will provide a low frequency (bass lift) boost to the audio output. To indicate selection a 'LOUD' flag will be illuminated on the LCD. Pressing the **LOU** button again will de-select the loudness function.

5 Mute

Pressing the **MUT** button will temporarily silence the audio output. A flashing 'MUTE' is displayed on the LCD to indicate the **GD9600** has been muted. Pressing the **MUT** button again will restore the previously selected audio level.

6 Clock

To display the current time, briefly press the clock button. After 5 seconds the display will automatically return to its original status. The time is shown in 12 or 24 hour format.

While the clock is displayed, press and hold the clock button for about 1 second to adjust the time. The Hours will flash. Rotate the volume control left or right to set the hours. Briefly press the clock button again. The minutes will flash. Rotate the volume control left or right to set the minutes. Press the Clock button again to exit the setting mode.

7 Mode

Pressing the **MOD** button will select the GD9600 operating mode. TUNER, CD or AUX modes are sequentially selected as **MOD** is pressed. If a USB MEMORY STICK OR SD CARD IS INSERTED, 'USB' OR 'CARD' will also appear in the the mode list. When the **GD9600** is switched ON it will automatically return to the mode it was in when switched OFF.


8 Local/Distance Control (RADIO mode only)

Pressing the **LOC** button selects an internal attenuator which will help to reduce the interference and distortion often associated with very strong local radio transmissions.

A 'LOC ON' or 'LOC OFF' message is briefly displayed on the LCD to indicate selection or deselection of the Local Distance Control.

9 Stereo/Mono Selector

Pressing the **ST** button while on the FM Band, selects either mono or stereo reception. The unit will momentarily display 'MONO' or 'STEREO' when toggling the **ST** button. The ST flag is displayed when the GD9600 is in the stereo mode. Selecting MONO improves reception when FM signals are weak or noisy, by disabling stereo detection.

Select **stereo** for normal listening on FM radio bands, a  symbol is displayed when stereo signals are being received.

RADIO OPERATION

Country Selection

When power is first applied, the GD9600 will default to the European frequency bands. To toggle between European and USA band sets:

1. With the radio on, press and hold the memory '3' key AND press the power key.
2. The radio will display 'Goodbye' and switch off.
3. Switch the radio ON again using the power key. USA or Europe will be momentarily displayed to indicate the selected band.

NOTE: If all power is disconnected from the GD9600, the unit defaults to European frequency bands when reconnected.

NOTE: The differences between bands is listed in the specifications at the rear of the manual.

10 Band Selector

To select the radio band (AM1, AM2, FM1, FM2 or FM3) sequentially press the **BND** button until the required band is selected.

11 Tuning/Selecting Tracks/Chapters

Manual Tuning

To tune the radio manually, momentarily press the **◀◀** or **▶▶** button to select the desired frequency. Each press will step the frequency by 50 kHz.

Automatic Tuning (Seek)

Press and hold either the **◀◀** or **▶▶** buttons for 3 seconds. The GD9600 will stop seeking when a strong, clear station is detected.

12 Storing of Stations in Memory

Once the desired station has been selected, press and hold one of the six pre-set station memory locations on the front panel for 3 seconds. The corresponding button number will appear on the LCD indicating that the selected station is now programmed into the GD9600 memory.

13 Auto Programming of Radio Stations (AMS)

Select the required band

Press and hold the **AMS** button for 3 seconds; The GD9600 will now commence searching the band for radio stations. As each station is located it is automatically stored in the next available pre-set memory location. The new stations will replace any stations previously stored in that band.

The scanning will continue until all pre-set memory locations are filled in each band.

Manually Selecting the Pre-Set Station Memories

Briefly press the desired station memory **1 - 6**. The GD9600 will jump immediately to that station and the memory number will appear on the LCD.

14 Preset Equaliser (P-EQ)

The GD9600 has four preset Graphic Equaliser settings to enhance your audio listening pleasure. To select the P-EQ mode, press the **EQ** button sequentially to select and display either **FLAT**, **CLASSIC ROCK** or **POP** modes.

Note: the **TREBLE** and **BASS** audio settings cannot be adjusted when the P-EQ mode is selected.


CD/MP3/DVD OPERATION

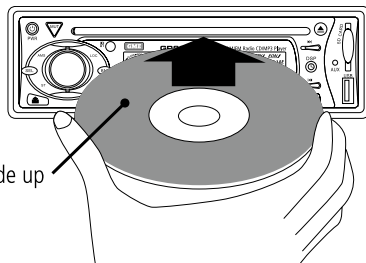
Warning: Do not insert discs containing anything other than CD, DVD or MP3 files into the disc slot. The CD/DVD mechanism contains precision laser components which could easily be damaged by inserting foreign objects.

Important: Because of the wide dynamic range offered by CD/DVD systems, the difference in volume level between very soft sounds and very loud sounds can be quite high. For this reason we recommend that you avoid turning the volume level up to loud when listening to very soft music or tracks with no audio level, otherwise a sudden change to very loud music could damage your speakers.


Inserting the CD/DVD

Remove the CD/DVD from its case and insert the disc, label up, into the front panel aperture. The CD/DVD mechanism will automatically draw the disc into the player and start playing track 1 or chapter 1 if it is a DVD.

A disc symbol  is displayed on the LCD whenever there is a CD/DVD in the player. The symbol will simulate rotation whenever the disc is playing.



12 Ejecting a CD/DVD

Press the **EJECT** button  to stop the CD/DVD playing and automatically eject the disc.

11 Fast Forward/Reverse

To advance through the present track or chapter at high speed, press and hold the **▶▶** button. The elapsed playing time will be displayed and will advance rapidly. Release the button to continue playing at the normal speed.

To reverse through the present track at high speed, press and hold the **◀◀** button. The elapsed time on the display will decrease rapidly. Release the button to continue playing the present track at the normal speed.

Stop

Press the **STOP** button, (numeric button #5 on the front panel).

To return to the normal play mode press **PLAY**, (numeric button #1 or **▶** on the remote control).

11 Step to the Next Track or DVD Chapter

To step immediately to the next track, press the **▶▶** button once. The next selected track will begin playing, press the **▶▶** button to advance to the start of successive tracks.

To step immediately to the start of the track currently being played, press the **⏮** button once. The current track will immediately restart. Press the **⏮** button repeatedly to locate the start of previous tracks.

11 Pause

To pause playing the CD/DVD, press the **⏸** button once. The disc symbol on the LCD will stop rotating when the pause function has been selected.

Press the **⏸** button again to resume playing the CD/DVD.

Repeat Play

To continually play the current track or chapter, press the **RPT** button (Numeric button #3 on the front panel). Press once to repeat the current track. Press again to repeat the current directory (mp3's) or album (audio CD). Press again to turn the repeat function **OFF**. A 'RPT' flag will be illuminated on the LCD when in the repeat mode.

Random Play

To play tracks on the CD in a random order, press the **RDM** button (Numeric button #4 on the front panel). A 'RDM' flag will be illuminated on the LCD when in the random mode. Press the **RDM** button again to return to the normal mode.

Note: the RDM function is not operational when playing DVDs.

Intro-Scan

The intro-scan feature plays the first 10 seconds of each track allowing you to identify the songs on the CD. To select intro-scan press the **INT** button (Numeric button #2 on the front panel), the LCD will display INT, track number and elapsed time. Press the **INT** button again to return to the normal mode.

Note: Intro – Scan does not operate in DVD, MP3 or WMA formats.

OSD (On Screen Display)

Press the **OSD** button (Numeric button #6 on the front panel) to display Track, Chapter, Elapsed Time and other information on the monitor.

MP3 Functions

MP3 (MPEG-1 Layer 3) is a format for the compression of audio files to approximately 8% of their original size. This permits a large number of files to be stored on a CD-R, CD-RW, SD Card or USB memory stick.

Unique Remote Control Functions

There are a number of functions on the GD9600 that are only accessible through the remote control handset.

Zoom (DVD Mode only)

The GD9600 has 6 Zoom settings, to enter the Zoom mode, press the **ZOOM** button on the remote control, the sequentially move to either x2, x3, x4 or 1/2, 1/3 or Zoom mode the cursor keys may be used to pan around the picture.

Subtitles (DVD Mode only)

Press the **SUBTITLE** button on the remote control to display subtitles.

Set Up

To enter the SET UP mode, Press the **STOP** button, then press the **SET UP** button on the remote control.

Use the **▶** / **◀** keys to select SYSTEM SET UP, LANGUAGE SET UP, AUDIO SET UP, VIDEO SET UP or DIGITAL SET UP.

Then use the **▲** / **▼** / **▶** / **◀** keys to navigate around the sub-menu to select and change operating parameters.

Multi Angle (DVD Mode only)

Press the **ANGLE** button on the remote control to view the DVD content from a different angle.

Note: Not All DVDs support this feature.

Slow Motion (DVD Mode only)

Press the **SLOW** button on the remote control to slow the DVD viewing speed. There are 6 speeds available, continue pressing the **SLOW** button to access the different speeds.

PBC Title (DVD Mode only)

Press the **PBC** button to access the menu, then use the **▲** / **▼** / **▶** / **◀** keys to navigate around the screen and select options.

Numeric Keys

In RADIO Mode – Press any one of the 1 to 6 NUMERIC KEYS to select a pre-set radio station.

In the CD mode – Press any one of the NUMERIC KEYS to select a track.

GOTO

The GOTO function allows the operator to select specific tracks or chapters from the disc.

Press the **GOTO** button on the remote control; use the **◀** / **▶** keys to move the highlighted cursor to the required field, then using the Numeric keypad modify the selected field to the track or chapter required, press **ENTER** to confirm selection.

Precautions for CD-R and CD-RW Discs

The GD9600 will not play a CD/DVD that has not been finalised, please refer to the instruction manual of the software or the recorder you are using to write these CDs for the finalisation process.

To ensure a more reliable playback, please follow GME recommendations:

- Use CD-RWs with a speed of 1x to 4x and write with a speed of 1x to 2x.
- Use CD-Rs with a speed of 1x to 8x and write with a speed of 1x to 2x.
- Do not play CD-RWs that have been written to more than 5 times.

Note: If a disc contains audio CD data and MP3 files, the GD9600 will only play which ever is first on the disc. If the first track on the disc is an MP3 file, the unit will only play the MP3 files from the disc, and will ignore all other files and vice versa.

Precautions for MP3

The format of the disc must be ISO9660 level 1 or 2, or Joliet or Romeo in the expansion format.

When naming an MP3 file, ensure the file extension is **'.MP3'**

The GD9600 will not recognise a non MP3 file even though the name extension is **'.MP3'**.

Configuration Menu

Press and hold the **SEL** key to enter the configuration menu then briefly press the **SEL** key to cycle through the available configuration options. Rotate the Volume knob to change the selected option. Press **BND** to exit the menu or simply wait a few seconds for it to time-out.

Function	Options	Description
Volume	Last, Default	Set preset ON volume level
AVOL	Level 00 - 47	Set Preset Vol for Default above
Clock	On, Off	Enables clock on display whn switched off
Clock format	12, 24	Sets 12 or 24 hr clock display

AUXILIARY INPUTS & OUTPUTS

To maximise the owner's listening flexibility and pleasure the GD9600 has several auxiliary inputs and outputs.

FRONT PANEL INPUTS

There are standard USB and SD Card inputs located on the front panel.

USB

The USB Input accepts USB flash memory drives loaded with MP3 files. Max USB memory size that can be used is 16GB. When using the USB input we recommend using the USB adapter AD003 supplied as a standard accessory with your GD9600. This allows the transparent front cover to be fully closed to avoid any possibility of water ingress.

When the USB input is in use, 'USB' is added to the options on the MOD button.

Note: The USB input is not designed to be connected to the USB port of an external MP3 player. External MP3 players should be connected to the AUX input via an audio interface cable.

SD Card

The SD card slot accepts SD and SDHC memory cards up to 16 GB.

When the SD card slot is in use, 'CARD' is added to the options on the MOD button.

Aux Input

The GD9600 has a 2.5 mm stereo jack low level (1 Volt peak to peak) audio input socket on the front panel. Owners may use this input for external audio sources that they wish to play through the vessel's stereo system.

GME offers a custom interface cable for a personal MP3 player connection; Part # LE68. When using this cable, it is necessary to use the portable device functions to control play.

CONNECTING AN iPod*

The GD9600 can be connected directly to an iPod via the optional LE023 iPod interface lead. The interface lead connects to the iPod fly lead at the rear of the GD9600 and provides a direct connection to the interface socket on the iPod. The cable is compatible with the current iPod Nano, Classic, Touch and iPhone models.

When an iPod is connected the GD9600 displays IPOD. Album and song selections can be made from the GD9600 or directly from the iPod itself. Any selections will be displayed on the iPod screen.

To make individual selections from the GD9600 controls press the **AMS** button. 'Menu' is displayed on the GD9600.

During this time, press the **AMS** button to step back through the iPod screen menus, rotate the **Volume** control to highlight items on the iPod screen and press **BND** to make a selection. To exit the GD9600's iPod 'Menu' function press **SEL** or wait a few seconds and the menu will time-out. Normal **AMS**, **Volume** and **BND** functions will resume.

To select another song press **▶▶** or **◀◀** to step forward or back through the song list.

The iPod battery will be charged while it is connected to the GD9600.

REAR OUTPUTS AND INPUTS

The GD9600 has Audio outputs plus Video inputs and outputs. These inputs and outputs are clearly labelled and colour coded, they are also identified in the wiring diagram shown on page 8 of this manual.

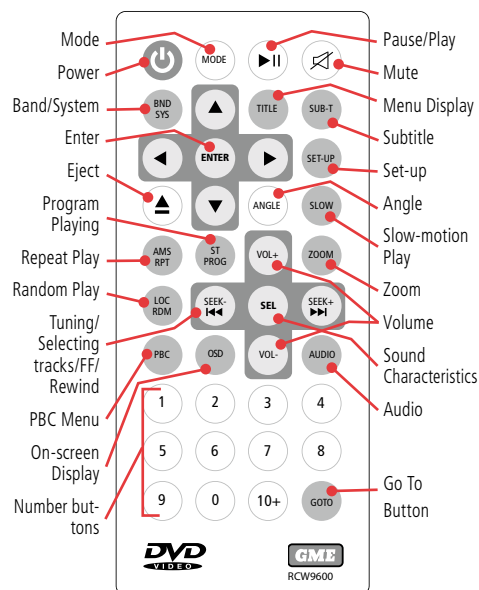
REMOTE CONTROL

A standard accessory with the GME GD9600 is a wireless remote control (RCW9600). The remote will permit the control of all major GD9600 functions from a distance of up to 3 metres.

Ensure plastic battery protection tab is removed from the handset before initial operation.

Simply point the remote handset at the GD9600 and select the required option on the keypad.

REMOTE CONTROL FUNCTIONS



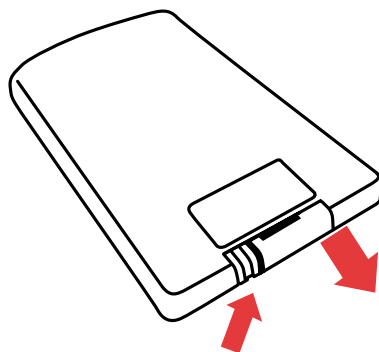
Cautions

- The remote control handset is not waterproof and should be kept well away from both fresh and salt water at all times.
- The remote control should not be left in direct sunlight for prolonged periods, excessive sunlight and heat could cause damage to the keypad resulting in incorrect operation or non function.

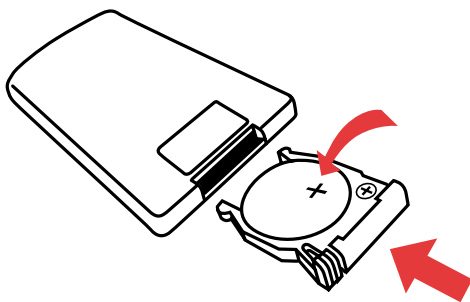
BATTERY REPLACEMENT

Should the working range of remote control handset reduce, or functions fail to operate correctly. The battery should be replaced:

1. Turn remote over, insert thumb nail between grooves on the battery cover latch and slide to the right, pull out the battery tray.



2. Replace the battery, (type CR 2025 or equivalent), with the positive side facing upwards.
3. Slide the battery tray back into the handset.



OPTIONAL ACCESSORIES

There are a number of high quality GME accessories available to enhance your marine entertainment experience. These accessories are available through your local GME retailer, should you have any difficulty in obtaining any GME accessory, please call or email your local GME Sales Office (within Australia and New Zealand). Contact details are listed on the back page of this manual.

International customers should also refer to the back page for details of your local importer or visit: www.gme.net.au

- Marine Speakers
- Comprehensive Range of Marine Antennas
- Interface cable for MP3 devices
- RCU9200 - Wired Remote Control for Stereo
- LE024 - Wired Remote 5m Extension Cable
- LE023 - iPod* Connectivity Lead 1.1m Long

*iPod is a trademark of Apple Computer Inc., registered in the U.S. and other countries.

From time to time GME may introduce new and additional products to the range or discontinue existing accessories. Details of any changes may be found at our website: www.gme.net.au



SPK001 and SPK002 speakers



SPK005 and SPK006 box speakers



SPK007 6 x 9 speaker



RCU9200 wired remote



LE023 iPod interface cable



LE024 RCU Interface cable (5m)



LE68 AUX input cable



SPK008 wake board speaker and SPK010 marine subwoofer



GA9800 - GME Marine Amplifier



AM/FM Antennas

GD9600 TROUBLE SHOOTING GUIDE

SYMPTOM	CAUSE	SOLUTION
No Power.	Vessel's battery switch is not on.	Check master switch if fitted.
	One of the fuses is blown.	Replace the damaged fuse with the correct value.
Error messages displayed on LCD or functions not operating.	Microprocessor lock up.	Press Reset Button.
Poor radio reception.	Damaged or incorrect type of antenna.	Check antenna and replace if necessary.
CD/DVD cannot be loaded.	There is already a CD in the player.	Remove disc, then insert new disc.
	CD/DVD is upside down.	Insert correct way up.
	CD/DVD is damaged or dirty.	Clean or try another disc.
	CD/DVD has moisture on it.	Dry disc and retry.
	CD/DVD reader has moisture on lens.	Leave player on for an hour or so and retry.

SPECIFICATIONS*

FM RADIO

Frequency Range:	87.5 - 108 MHz (Eu./Aust./N.Z.) 87.5 - 107.9 MHz (U.S.A.)
Frequency Step:	50 kHz
Intermediate Frequency:	10.7 MHz
Sensitivity (30 dB S/N):	13 dBuV (typical)
Channel Separation:	>22 dB
Station Memories:	18

AM RADIO

Frequency Range:	522 - 1620 MHz (Eu./Aust./N.Z.) 530 - 1710 MHz (U.S.A.)
Frequency Step:	9 kHz (Eu./Aust./N.Z.) 10 kHz (U.S.A.)
Intermediate Frequency:	455 kHz
Sensitivity (20 dB S/N):	25 dBuV
Station Memories:	12

COMPACT DISC MECHANISM

Mechanism:	Auto Loading
Signal to Noise Ratio:	65 dB
Format:	8 times oversampling
Environmental:	Anti-vibration/Anti-shock

AUDIO AMPLIFIER

Audio Output:	(4 channels x 45 W Peak = 180 W Peak) @ 10% THD.
Speaker Impedance:	4 Ohm
Frequency Response:	40 Hz - 18 kHz
Bass Adjustment Range:	+/- 8 dB @ 100 kHz
Treble Adjustment Range:	+/- 10 dB @ 10 kHz

DVD PLAYER

Aspect Ratio:	4:3 Letter box 4:3 Pan Scan or 16:9
Video Output Level:	1.00 Volt Peak to Peak (75 Ohms Impedance)
Horizontal Resolution:	500
Video System:	Auto/PAL/NTSC

GENERAL

DC Supply Input:	11 – 16 Volts Negative Ground
Memory Back-up:	External Back-up Memory Wire
Back-up Current:	Approximately 20 mA
Overall Size:	232 mm (W) x 97 mm (H) x 200 mm (D)
Weight:	Approx 1.75 kg
Supply Current:	7 Ampere (max.)

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

WARRANTY

GME limit this warranty to the original purchaser of the equipment.

GME warrant this product to be free from defects in material and workmanship for a period of twelve (12) months from the date of purchase from their authorised retailer.

Should the product require servicing during this period, all labour and parts used to effect repairs will be supplied free of charge. GME reserve the right to determine whether damage has been occasioned by accident, misuse or improper installation whereby the warranty would be void, including:

Equipment which has been damaged due to:

- (a) Incorrect or reverse polarity connection to a battery or power supply.
- (b) Connection to incorrect supply voltage.
- (c) Effects of water or moisture penetration.
- (d) Non-factory modifications.
- (e) Use of incorrect replacement fuse.

Procedure to be followed by claimant: In the event of a defect occurring during the twelve (12) month warranty period, the original purchaser may return the defective unit along with suitable proof of purchase date (i.e. receipt, docket, credit card slip etc.) and a full description of the defect to any authorised retailer.

All freight charges incurred for transportation by the retailer or GME are the purchaser's responsibility.

The retailer will forward the unit to the closest authorised GME Service Depot in your particular area.

GME AFTER SALES SERVICE

Your GME GD9600 is especially designed for the environment encountered in marine installations. The use of all solid state circuitry, careful design and rigorous testing, result in high reliability. Should failure occur however, GME maintain a fully equipped service facility and spare parts stock to meet the customer's requirements long after expiry of the warranty period.

Warning: Extreme care should be taken when connecting any external device to your GD9600 rear inputs or outputs. GME strongly recommends that all connections should be carried out by a suitably qualified technician.



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List of certified
characteristics available
at www.sgs.com

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For customers outside Australia and New Zealand please contact your local GME distributor or email: export@gme.net.au

www.gme.net.au