



VHF Marine Radio

GX610



INSTRUCTION MANUAL

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INTRODUCTION

Congratulations on your purchase. The GX610 is a VHF FM Marine handheld transceiver operating in the 156 – 163 MHz marine band.

KEY FEATURES

- Compact, buoyant, IP68* design.
- Dual Watch and Triple Watch functions.
- Dedicated channel 16 emergency button.
- International channel set with extended channels.
- Selectable transmit Power: 2.5 watt/1 watt.
- User adjustable Squelch setting.
- Backlit LCD.
- User programmable channel scanning.
- Battery Save feature to greatly extend the battery life

GENERAL INFORMATION

Your GX610 has a number of enhanced features that include fully user programmable channel scanning, Dual Watch and Triple Watch functions, user-adjustable digital squelch level, backlit LCD and extended international channels. Also included is high/low transmitter power selection and a dedicated channel 16 key providing instant access to the emergency channel.

Your GX610 is inherently buoyant and will float if dropped into the water. In addition it is designed to be IP68* compliant to give you peace of mind on the water.

Please read this manual thoroughly to ensure you get the best from your GX610.

* IP68 = submersible to a depth of 1.5 metres for 1 hour

OPERATING REQUIREMENTS

In Australia, any person operating a VHF marine radio should possess at least a Short Range Operators Certificate of Proficiency (SROCP) for VHF Radio Operations. Alternatively, operators may choose to obtain a Long Range Operator Certificate of Proficiency (LROCP) which covers the operation of both VHF and MF/HF equipment.

Many TAFEs and marine organisations offer courses leading to examination for the SROCP and LROCP although such courses are not compulsory. Persons wishing to obtain the SROCP or LROCP should first purchase a copy of the Marine VHF Radio Operators Handbook which is essential reading for every boat owner in Australia.

The Australian Maritime College (AMC) provides the marine examination and certificate service on behalf of the ACMA. The AMC can provide the details of organisations and individuals offering courses and or conducting exams. For further information visit: www.amc.edu.au

If you have obtained the SROCP you can operate your VHF radio under the maritime ship class licence. You do not need to apply for a class licence or pay any fees.

If operating your VHF radio under the LRSOP you will need to apply to the AMCA for a Maritime License.

In New Zealand, operators of a VHF marine radio require a Maritime VHF Operators Certificate (MVOC) and a call sign. Please refer to www.maritimenz.govt.nz for further details.

Courses for the MVOC can be arranged through www.boatingeducation.org.nz.

WARNING: SAFETY INFORMATION

The GX610 is a radio transmitting device.

- When transmitting, ensure a distance greater than 1.5 meters is maintained between the antenna and all persons.
- Do not transmit near electrical blasting equipment or in explosive atmospheres.

- Always operate the radio in accordance with the instructions supplied.
- Always ensure an antenna is connected before transmitting to prevent possible damage to the radio.
- Do not allow children to operate a radio transmitter unsupervised.

OPERATING RULES

Priorities

- Read all rules and regulations pertaining to priorities and keep an up-to-date copy handy. Safety and distress calls take priority over all others.
- You must monitor Channel 16 when you are not operating on another channel.
- False or fraudulent distress calls are prohibited under law.

Privacy

- Information overheard but not intended for you cannot lawfully be used in any way.
- Indecent or profane language is prohibited.

RANGE

The range of VHF transmissions depends on antenna height, transmitter power and the terrain over which the signals pass. For a 2.5 watt handheld radio like the GX610, ship to ship communications of up to 5 nautical miles should be possible. Ship to shore ranges will often be even greater due to the increased height of the shore antenna.

BATTERY PACK

The GX610 uses a rechargeable 3.7 Volt 1600mAh Li-Ion battery pack. The battery pack can be charged using the supplied drop-in charging cradle and plug pack charger unit. Alternatively the battery can be charged using any suitable 5V USB power source via the USB-C charging port on the right-hand side of the radio.

USING THE DESKTOP CHARGER

Your GX610 is supplied with a desktop charger unit (BCD610), an AC plug pack charger (PS003) and a USB charging cable. Connect the USB cable to the AC charger and plug the AC charger into the mains supply.

Connect the USB cable's USB-C connector to the socket on the rear of the charging cradle. The LED on the charging cradle will light Amber.

Place the GX610 into the cradle with the display facing forward. The LED on the charging cradle will change to Red. Once the battery has charged the LED will change to Green.

A fully discharged battery should achieve full charge in around 2 hours.



DIRECT CHARGING YOUR GX610

Your GX610 can be directly charged via the USB charging port on the side of the radio. The USB charging port is located under the water-resistant cover marked 'CHG' on the right hand side. Simply lift the top of the cover and plug the USB-C cable into the charging socket. The bottom edge of the cover will be retained by the outer case.

While the GX610 is being charged through the USB socket, the outer edge of the battery icon will flash on the LCD.

When direct-charging has completed, unplug the USB cable and refit the water resistant cover to help maintain the radio's waterproof integrity.

REPLACING THE BATTERY

Before removing the battery, remove the belt clip from the radio by pressing down on the release clip while sliding the belt clip upwards.



The battery pack should provide many years of reliable service. If it requires replacement,

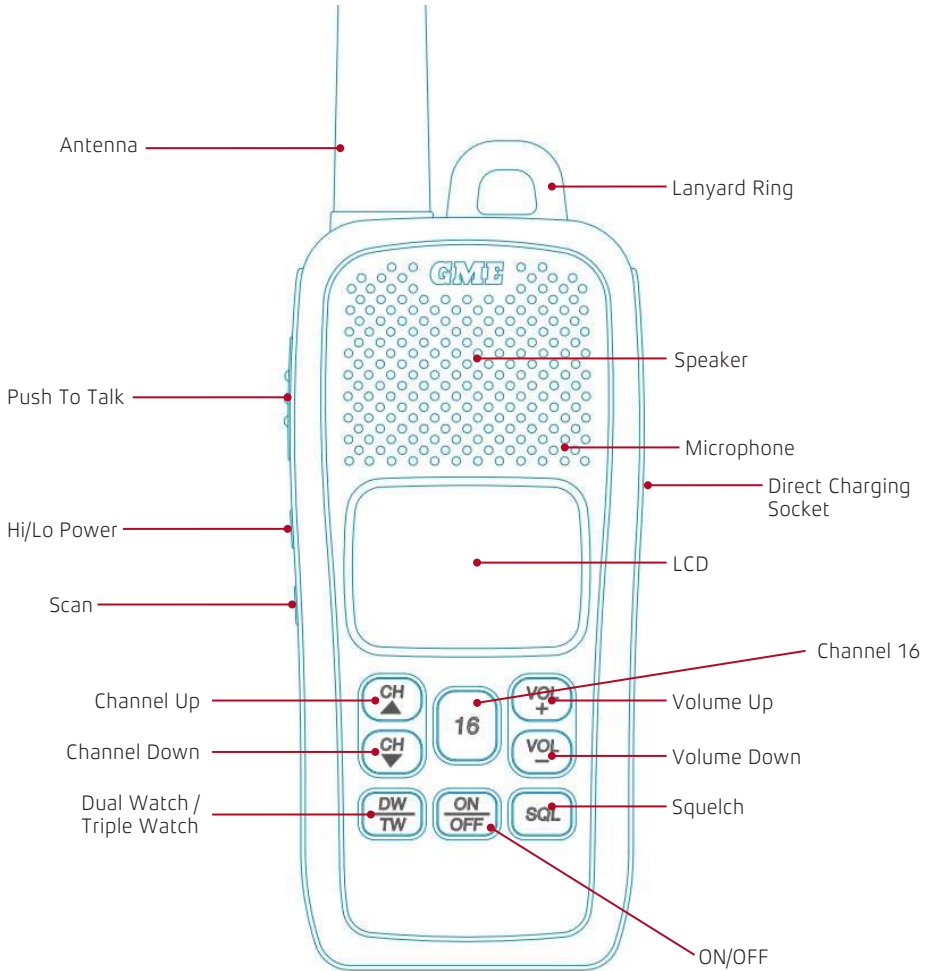
Use the following procedure.

1. Using a bladed screwdriver, turn the release screw in the rear battery cover counterclockwise to release the battery cover. The screw will be retained in the cover.
2. Carefully lift out the battery and unplug it from the radio. Plug the new battery into the radio observing the correct orientation then place the battery in the compartment. Ensure the cable is secured in the recess.
3. Check the waterproof seal is undamaged then refit the cover by inserting the two lugs at the top then pressing the cover into place. Firmly tighten the retaining screw and reinstall the belt clip.

Note: You should fully charge the new battery pack before use.



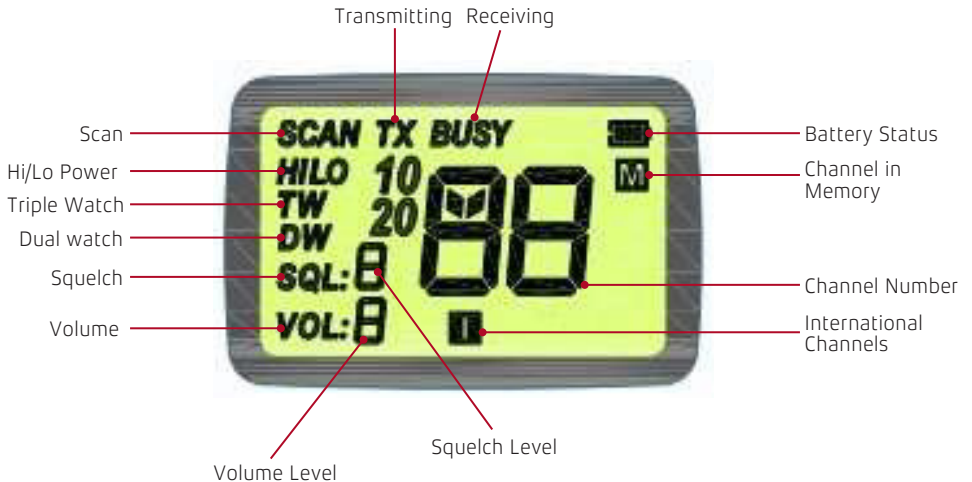
CONTROLS




REAR PANEL




DISPLAY ICONS





ON/OFF

To switch ON, press and hold the  key for 1 second. During switch-on the radio will briefly test the LCD then switch on. The last selected channel, volume and squelch settings are restored.



To switch OFF, press and hold the  key for 1 second. The radio will beep then switch off.





VOLUME

Press the  key to increase the volume or press the  key to decrease it. The volume setting is displayed next to the VOL: icon in values from 0 to 9.

NOTE: There will still be sufficient volume for incoming calls to be heard at the minimum volume setting. This is a safety requirement. It is not possible to completely silence the receiver audio.


CHANNEL SELECTION

Briefly press the  key to step upwards one channel or the  key to step downwards one channel. A beep will be heard with each key press and the channel number will change to indicate the selected channel.


Press and hold the  or  key for 2 seconds to quickly step upwards or downwards through the channels at a rate of 10 channels per second. During this time the channel display will update once a second to show progress. When the display nears the desired channel, release the key then individually press the  or  keys to select the channel.

SQUELCH

The GX610 has a squelch function to ensure the radio remains quiet when there are no signals being received. When a signal is received the squelch opens to allow the signal to be heard. When the signal has gone the squelch closes again and the receiver becomes quiet.

To manually open or close the squelch Briefly press  the key. A low beep will be heard, and the squelch will open. If there are no signals present you

will hear the receiver's background 'hiss'. While the squelch is open the BUSY icon is displayed.


Briefly press the  key again to close the squelch. A high beep will be heard, the BUSY icon will disappear and the receiver will become quiet again.



Setting the Squelch Preset Level


The preset squelch level determines the sensitivity of the squelch to incoming signals. If you are in a noisy location or unwanted weak signals keep opening the squelch, you can increase the preset squelch sensitivity so the GX610 remains quiet. Note that increasing the preset squelch level will require stronger signals to overcome the squelch and may result in missed calls from weaker signals.

The optimum setting is the minimum one required to reliably keep the receiver quiet. The Squelch setting has a range from 1 to 9, with 1 being the minimum (most sensitive) level.

To adjust the squelch level

Press and hold the  key for 1.5 seconds until a high beep is heard. SQL: will flash on the display.

Briefly press the  or  keys to increase or decrease the squelch level. The current squelch level will be displayed next to the flashing SQL: icon. The squelch level adjustment is 'live' so if you are currently experiencing interference simply adjust the squelch level until the radio becomes quiet.

To exit the squelch setting, briefly press the  key or simply wait for 10 seconds. A low beep will be heard and normal operation will be restored.

TRANSMITTING

To transmit, press the Push-To-Talk (PTT) key. The TX icon will appear on the LCD to indicate the radio is transmitting. Hold the radio in front of you with the microphone about 3-5 cm from your face and speak at a normal voice level. The microphone is quite sensitive so it is not necessary to raise your voice or shout.

For best performance speak across the microphone rather than directly into it.

Release the PTT when you have finished talking. The TX icon will disappear.

NOTE: Transmissions are inhibited on Channel 70 and any other channels that are configured as 'Receive-only' or 'Data-only'. If the PTT is pressed on these channels the radio will emit a warning beep and the PTT will be ignored.

Time-out Timer

The GX610 incorporates a time-out-timer to automatically disable the transmitter if the PTT has been pressed continuously for more than 5 minutes. This is designed to prevent accidental jamming of the channel frequency.

When your transmission time approaches 5 minutes, a warning beep will be heard 10 seconds before timeout occurs and the TX icon will flash. If you release the PTT during this period, the time-out timer will be reset and you can begin retransmitting immediately.


However if the PTT is not released, a second warning beep will occur signalling that the transmitter has been disabled. Once the transmitter is disabled, the TX icon will continue to flash even after you release the PTT.




To reset the timer and re-enable the transmitter

Release the PTT and wait a further 10 seconds until the TX icon stops flashing. The timer will then reset and you can resume transmitting.

CHANNEL 16

Channel 16 is the international Distress, Safety and Calling channel. If you need to call for help in an emergency or are seeking relevant information from your local marine rescue base, use channel 16. If the call is for an emergency you will probably be asked to stay on channel 16 so others can provide assistance but for less serious incidences you will probably be transferred to a designated working channel.


Press the  key at any time to go directly to channel 16. The transmit power will be restored to HI (2.5 Watts) and all other functions such as Scan, Dual Watch and Triple Watch will be cancelled.

Press the  key again to return to the previously selected channel. Alternatively, press the  or  keys to manually select a different channel.

TRANSMIT POWER

The GX610 has both high power (2.5 Watts) and low power (1 Watt) transmitter settings. For local transmissions a low power setting will conserve power and reduce interference to nearby stations. If you require the best transmission range you should select a high power setting. The default setting is high (2.5 Watts).

To set the transmitter power


Briefly press the  key to toggle high or low power. When high power is selected, a high beep will be heard and the HI icon will be displayed. When low power is selected, a low beep will be heard and the LO icon is displayed.

NOTE: High power (2.5 Watts) will be restored whenever Channel 16 is selected.

DISPLAY BACKLIGHTING

The LCD backlight will automatically illuminate whenever a key is pressed then extinguish 10 seconds after the key is released.




If desired, the automatic backlighting can be disabled so that it remains off even when a key is pressed.

To enable or disable the automatic backlight, press and hold the  key. A high beep indicates the automatic backlight is enabled and will switch on whenever a key is pressed. A low beep indicates the backlight is disabled and will remain off.

DUAL WATCH (DW)

Dual Watch is a two channel scan feature that switches between your selected working channel and channel 16. This allows you to monitor your working or club channel while maintaining a listening watch on channel 16.

To start Dual Watch



1. Select your preferred working channel using the  or  keys.
2. Briefly press the  key.

A high beep will be heard and the DW icon will be displayed. Your GX610 will now monitor your working channel but will switch to channel 16

every 2 seconds to check for signals. Any signals on channel 16 will have priority over those on the working channel.

To cancel Dual Watch

Press and hold the key until a low beep will be heard. The DW icon will disappear.

Note: To change the working channel while Dual Watching, simply press the  or  keys. Dual Watch will continue on the new working channel.



Receiving in DW mode

If a signal appears on channel 16, the radio will switch immediately to channel 16 and the working channel will no longer be monitored. During this time, you may press the PTT for normal transmissions on channel 16. Once channel 16 has become inactive for 5 seconds, Dual Watch will resume.

If a signal appears on the working channel, scanning will pause on that channel but channel 16 will continue to be monitored every 2 seconds. During this time the PTT may be pressed for normal transmissions on the working channel. Once the working channel has become inactive for 5 seconds, Dual Watch will resume.

Transmitting in DW mode

To transmit on the working channel, press the PTT while there is no activity. Dual watch will pause while you are transmitting and will remain paused for 5 seconds after you release the PTT. If you receive no response, Dual Watch will then resume.

To transmit on channel 16, press the  key to exit Dual Watch and switch straight to channel 16. You may now press the PTT and transmit on channel 16 in the usual way. When your conversation has ended, press the  key to resume Dual Watching.

TRIPLE WATCH (TW)




Triple Watch is an extension of the Dual Watch function that monitors three channels i.e. channel 16, your working channel AND a Triple Watch channel.

Each channel is scanned for signals with priority given first to channel 16, then the Triple Watch channel and finally the working channel.




When Triple Watch is selected TW is displayed along with the working channel, with the display quickly switching to channel 16 and the Triple Watch channel every two seconds.

To store your Triple Watch channel

Note: Before storing your Triple Watch channel, ensure the Dual Watch and Triple Watch modes are switched off and the DW or TW icons is not displayed.



1. Select the desired Triple Watch channel using the  or  keys.
2. Press and hold the  key. A high beep will be heard and the Triple Watch channel number will flash twice.

To activate Triple Watch mode:


1. Use the  or  keys to choose the desired working channel.
2. Press the  key twice. Two high beeps will be heard and TW will appear.

Your working channel will be displayed with the GX610 will quickly switching to channel 16 and the Triple Watch channel every two seconds.


To change the working channel:

Press the  or  keys at any time while Triple Watch is active. The new working channel will be displayed and the radio will continue to monitor Channel 16 and the Triple Watch channel.

To toggle between Dual Watch and Triple Watch

Briefly press the  key. A high beep will be heard and DW or TW will be displayed as the radio switches between Dual Watch and Triple Watch modes.

To cancel Triple Watch

Press and hold the  key. A low beep will be heard and normal operation will be restored.

Receiving in TW mode



If a signal appears on channel 16, the radio will switch immediately to channel 16 and the working and Triple Watch channels will no longer be monitored. During this time, you may press the PTT for normal transmissions on channel 16. Once channel 16 has become inactive for 5 seconds, Triple Watch will resume.

If a signal appears on the working channel, scanning will pause on that channel but channel 16 and the Triple Watch channel will continue to be monitored every 2 seconds. During this time the PTT may be pressed for normal transmissions on the working channel. Once the working channel has become inactive for seconds, Triple Watch will resume.

If a signal appears on the Triple Watch channel, scanning will pause on the Triple Watch channel, however channel 16 will continue to be monitored resulting in short breaks in the conversation (the working channel is no longer being monitored). During this time the PTT may be pressed for normal transmissions on the Triple Watch channel. Once the Triple Watch channel has been inactive for 5 seconds, normal Triple Watch operation will resume.

Transmitting in TW mode


To transmit on the working channel, press the PTT while there is no activity. Triple watch will pause while you are transmitting and will remain paused for 5 seconds after you release the PTT. If you receive no response, Triple Watch will then resume.

To transmit on channel 16, press the  key to exit Triple Watch and switch straight to channel 16. You may now press the PTT and transmit on channel 16 in the usual way. When your conversation has ended, press the  key twice to resume Triple Watching.

SCANNING



The Scan feature allows the GX610 to scan a series of user-selected channels looking for signals. If a signal is found, scanning will pause on that channel and will remain there for as long as the channel is busy and for 5 seconds after the signal has gone. Scanning will then resume.

Channels to be scanned are stored in the scan memory and can be removed or added as desired.


Note: A minimum of two channels must be stored in the scan memories before scanning is allowed. If there are less than 2 channels, the  key will return an error beep and the scan request will be ignored.

To Add or Remove channels from the Scan memory


Select the required channel using the  or  keys.

- If 'M' is visible next to the selected channel number, the channel is already in the scan memory. To remove it, press and hold the  key for 1.5 seconds. A low beep will be heard and 'M' will no longer be display on that channel.
- If 'M' is not visible next to the channel number, the channel is not currently in the scan memory. To add it, press and hold the  key for 1.5 seconds. A high beep will be heard and 'M' will be displayed on that channel.



To begin scanning

Briefly press the  key. The GX610 will begin scanning and the display will show rapidly changing channel numbers. If a signal is found, the scan will pause on that channel and will remain for as long as the channel is busy and for 5 seconds after the signal has gone. Scanning will then resume. While the scan is paused on a busy channel you may press the PTT to transmit on that channel.

To stop scanning

Briefly press the  key. The GX610 will stop scanning and will return to the last selected channel.

To change the scan direction

While the GX610 is scanning briefly press the  key to scan upwards or the  key to scan downwards through the channels.

Scanning with Dual Watch

If Dual Watch is selected while the radio is scanning, channel 16 will be inserted regularly into the scan.

Scanning with Triple Watch



If Triple Watch is selected while the radio is scanning, channel 16 and the stored Triple Watch channel will both be inserted regularly into the scan.

EXTENDED CHANNELS

The GX610 is installed with all standard International VHF Marine channels for operation within Australia and New Zealand. These include channels 1019, 2019, 1020, 2020, 1078, 2078, 1079 and 2079.

If these additional channels are not required they can be switched off.

To toggle these additional channels On or Off:

1. Switch the radio OFF.
2. Press and hold both the  key and the  key for around 20 seconds. The radio will switch on and begin counting upwards from 1 to 20. Continue holding the keys during this time.
3. Once the counter reaches 20 the radio will restart. You may now release the keys.

Notes: During this procedure, the current status of the extended channels is displayed to the left of the counter.

If an 'E' is displayed, the extended channels are already enabled and will be disabled when the count has completed.

If an 'E' is not displayed, the extended channels are currently disabled and will be enabled when the count has completed.

If you release the keys before the count completes, this procedure will be cancelled and the radio will restart without making any changes..



Extended channels are presently enabled and will be disabled



Extended channels are presently disabled and will be enabled

INTERNATIONAL VHF MARINE CHANNEL FREQUENCY LIST

Channel	From Ship	From Coast	Inter-ship	Single Frequency	Two Frequency
60	156.025	160.625		X	X
01	156.050	160.650		X	X
61	156.075	160.675		X	X
02	156.100	160.700		X	X
62	156.125	160.725		X	X
03	156.150	160.750		X	X
63	156.175	160.775		X	X
04	156.200	160.800		X	X
64	156.225	160.825		X	X
05	156.250	160.850		X	X
65	156.275	160.875		X	X
06	156.300		X		
2006	160.900	160.900			
66	156.325	160.925		X	X
07	156.350	160.950		X	X
67	156.375	156.375	X	X	
08	156.400		X		
68	156.425	156.425			
09	156.450	156.450	X	X	
69	156.475	156.475	X	X	
10	156.500	156.500	X	X	
11	156.550	156.550			
71	156.575	156.575			
12	156.600	156.600			
72	156.625		X		
13	156.650	156.650	X	X	
73	156.675	156.675	X	X	
14	156.700	156.700			
74	156.725	156.725			
15	156.750	156.750	X	X	
75	156.775	156.775			
16	156.800	156.800	DISTRESS, SAFETY AND CALLING		
76	156.825	156.825			
17	156.850	156.850	X	X	

INTERNATIONAL VHF MARINE CHANNEL FREQUENCY LIST

Channel	From Ship	From Coast	Inter-ship	Single Frequency	Two Frequency
77	156.875		X		
18	156.900	161.500		X	X
78	156.925	161.525		X	X
1078	156.925	156.925			
2078	161.525				
19	156.950	161.550		X	X
1019	156.950	156.950			
2019	161.550				
79	156.975	161.575		X	X
1079	156.975	156.975			
2079	161.575				
20	157.000	161.600		X	X
1020	157.000	157.000			
2020	161.600				
80	157.025	161.625		X	X
21	157.050	161.650		X	X
81	157.075	161.675		X	X
22	157.100	161.700		X	X
82	157.125	161.725		X	X
23	157.150	161.750		X	X
83	157.175	161.775		X	X
24	157.200	161.800		X	X
1024	157.200				
2024	161.800	161.800	X (DIGITAL ONLY)		
84	157.225	161.825		X	X
1084	157.225				
2084	161.825	161.825	X (DIGITAL ONLY)		
25	157.250	161.850		X	X
1025	157.250				
2025	161.850	161.850	X (DIGITAL ONLY)		
85	157.275	161.875		X	X
1085	157.275				
2085	161.875	161.875	X (DIGITAL ONLY)		
26	157.300	161.900		X	X
1026	157.300				

INTERNATIONAL VHF MARINE CHANNEL FREQUENCY LIST

Channel	From Ship	From Coast	Inter-ship	Single Frequency	Two Frequency
2026	161.900				
86	157.325	161.925		X	X
1086	157.325				
2086	161.925				
27	157.350	161.950		X	X
1027	157.350	157.350			
2027*	161.950	161.950			
87	157.375	157.375			
28	157.400	162.000		X	X
1028	157.400	157.400			
2028*	162.000	162.000			
88	157.425	157.425			
AIS 1	161.975	161.975			
AIS 2	162.025	162.025			

SPECIFICATIONS

GENERAL

Frequency Range: 156.025 to 163.275 MHz

Oscillator: PLL

Modulation: FM

Channel Spacing: 25 kHz

Frequency Stability: ± 1.5 kHz

Standard Operating Temperature: $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Nominal Working Voltage: 3.7 VDC

Battery: 3.7v @1600mAh Li-ion

DC Charger: 5 V DC @ 1 Amp with USB-C connector

Battery Life (5% TX, 5% RX, 90% Stby): 12 Hrs

Antenna: Built-in Flexible

Built in Speaker: 35 mm Diameter, 8 Ohms

Dimensions: 60 (W) x 135 (H) x 39 (D) mm

Weight: 195 grams

TRANSMITTER

RF Power: High = 2.5 Watts, Low = 1 Watt

Deviation: ± 5 kHz

Harmonic Distortion: $< 10\%$

Adjacent Channel Power: 70dB @ 25 kHz

RECEIVER

Sensitivity: -117dBm @ 12 dB SINAD

Adjacent Channel Selectivity: 70dB @ 25 kHz

Audio Output: 0.5 Watts

Harmonic Distortion; $< 10\%$

Speaker Efficiency: 95 DBA @ 1KHZ

Intermodulation: < 68 DB

RX Blocking: < 90 DBUV

ENVIRONMENTAL

Water resistant: IP68 (submersible to a depth of 1.5 meters for 1 hour)

Buoyancy: Floats

ASTMB117-03 Salt Spray (Fog)

ASTM G154 UV exposure

GME 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.

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:

GME 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 illegible.

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	WARRANTY PERIOD
GX610	3 years



gme.net.au

GME Pty Ltd
17 Gibbon Road, Winston Hills NSW 2153, Australia

PN: 311161 DN: 52613-2