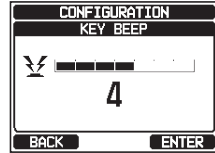


## 15.4 KEY BEEP

This selection is used to select the beep tone volume level when a key is pressed.

1. [MENU] → "SETUP" → "CONFIGURATION" → "KEY BEEP"

2. Rotate the **DIAL/ENT** knob to select the desired level. The beep level can be set from "1" to "7", or "OFF" ("4" is default).
3. Press the [ENTER] soft key to store the selected level.
4. Press the **CLEAR** key to return to radio operation.



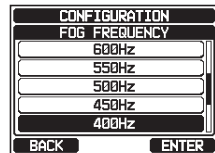
## 15.5 FOG ALERT TONE FREQUENCY

The function allows the radio to be setup to send the proper fog frequency which is dependent on vessel size, shown below:

- 70 - 200Hz: Vessel that are 660 feet (200 meters) or more in length
- 130 - 350Hz: Vessel that are 247.5 feet (75 meters) or more but less than 660 feet (200 meters) in length
- 250 - 700Hz: Vessel that are 66 feet (20 meters) or more but less than 247.5 feet (75 meters) in length
- 250 - 700Hz: Vessel that are 39.6 feet (12 meters) or more but less than 66 feet (20 meters) in length

1. [MENU] → "SETUP" → "CONFIGURATION" → "FOG FREQUENCY"

2. Rotate the **DIAL/ENT** knob to select the desired level. The frequency level can be set from "200Hz" to "850Hz" ("400Hz" is default).
3. Press the [ENTER] soft key to store the selected setting.
4. Press the **CLEAR** key to return to radio operation.



### NOTE

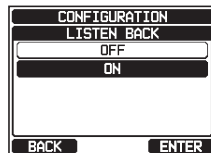
By default, the radio Fog frequency is set to 400 Hz. In most cases this frequency should not be changed unless the vessel is very large.

## 15.6 LISTEN BACK

While in PA, FOG HORN, or HORN mode, toggle the listen back function between ON and OFF.

1. [MENU] → "SETUP" → "CONFIGURATION" → "LISTEN BACK"

2. Rotate the **DIAL/ENT** knob to select “OFF” or “ON” (“ON” is default).
3. Press the **[ENTER]** soft key to store the selected setting.
4. Press the **CLEAR** key to return to radio operation.



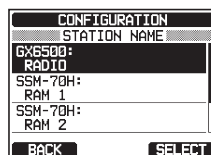
## 15.7 STATION NAME

This function allows you to change the name of the radio or second station microphone.

**Example:** “Radio - Cabin”, “RAM 1 - Flybridge”

1. **[MENU]** → “SETUP” → “CONFIGURATION” → “STATION NAME”

2. With the second station microphone connected, rotate the **DIAL/ENT** knob to select the unit to be named, then press the **[SELECT]** soft key.
3. Rotate the **DIAL/ENT** knob to select to scroll through the first letter of the new station name.
4. Press the **[SELECT]** soft key to store the first letter in the name and step to the next letter to the right.
5. Repeat steps 3 and 4 until the name is complete. The name can consist of up to ten characters, and if you do not use all ten characters, select “→” to move to the next space. This method can also be used to enter a blank space in the name.

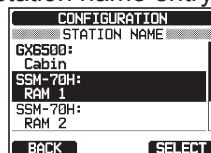


If a mistake was made entering in the station name, rotate the **DIAL/ENT** knob to select “←” or “→”, press the **[SELECT]** soft key until the wrong character is selected, then perform steps 3 and 4.

6. When finished entering the station name (using ten characters or less), press the **[FINISH]** soft key to advance to the second station name entry.
7. Rotate the **DIAL/ENT** knob to select “SSM-70H”, then press the **[SELECT]** soft key.
8. Rotate the **DIAL/ENT** knob to select to scroll through the first letter of the new station name.



9. Press the **[SELECT]** soft key to store the first letter in the name and step to the next letter to the right.



10. Repeat steps 8 and 9 until the name is complete. The name can consist of up to ten characters, and if you do not use all ten characters, select “→” to move to the next space. This method can also be used to enter a blank space in the name.

If a mistake was made entering in the station name, rotate the **DIAL/ENT** knob to select “←” or “→”, press the **[SELECT]** soft key until the wrong character is selected, then perform steps 8 and 9.

11. When finished entering the station name (using ten characters or less), press the **[FINISH]** soft key.

12. Press the **CLEAR** key to return to radio operation.

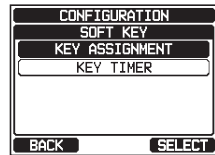
## 15.8 SOFT KEYS

From this menu, you can assign desired functions to each soft key from numbers 01 to 12. You can also set how long the soft key icon will be displayed after the corresponding soft key is pressed.

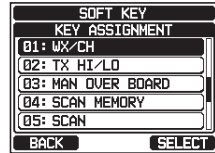
### 15.8.1 Key Assignment

1. **[MENU]** → “**SETUP**” → “**CONFIGURATION**” → “**SOFT KEY**”

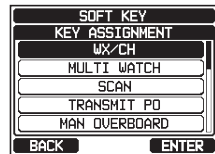
2. Rotate the **DIAL/ENT** knob to select “**KEY ASSIGNMENT**”, then press the **[SELECT]** soft key.



3. Rotate the **DIAL/ENT** knob to select the key number to be programmed, and press the **[SELECT]** soft key.



4. Rotate the **DIAL/ENT** knob to select a new function to be assigned, and press the **[ENTER]** soft key. Available functions are listed below. By selecting “**NONE**” the soft key assignment is removed.



5. Repeat steps 3 and 4 to program other soft keys.

The VHF radio's functions can be assigned to the maximum of 12 soft keys. Pressing the **▶/◀** key each time shows three different soft keys.



(The illustration above is the default setting.)

6. Press the **CLEAR** key to return to radio operation.

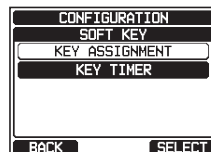
DISPLAY	FUNCTION	SOFT KEY NUMBERS ASSIGNED AS DEFAULT (See the previous page.)
NONE	-	-
TX HI/LO	Selects transmit power	02
WX/CH	Switches channels between weather and marine	01
SCAN	Turns on or off scanning function	05
DUAL WATCH	Starts and stops dual watch scan	06
MARK POSITION	Marks the current position for a "Waypoint"	09
SCAN MEMORY	Add or remove channels from memory channel scan	04
PRESET	Programs or deletes the preset memory channel	10
MAN OVERBOARD	Marks the position where a person falls overboard	03
NOISE CANCEL	Enables the noise canceling settings display	
CH NAME	Edit channel names	
STROBE*	Turns on or off the strobe light LED	
SCRAMBLER	Configures the secret communication settings	
COMPASS	Enables the "Compass" display	
WAYPOINT	Enables the "Waypoint" or "Route" navigation display	
FOG HORN	Select FOG HORN mode	
INTERCOM	Activates intercom between radio and RAM4 mic (optional SSM-70H (RAM4) or SSM-71H (RAM4W) required)	
GPS LOGGER	Starts and stops logging position data	
AIS DISPLAY	Shows the "AIS" display	
HORN BUTTON	Activates the Fog Horn function	12
PUBLIC ADDRESS	Activates the PA function	
RX RECORD	Records received voices	07
RX SENSE	Toggles between LOCAL and DISTANCE	11
PLAY	Plays recorded voices	08

(\*: SSM-70H (RAM4) and SSM-71H (RAM4W) only)

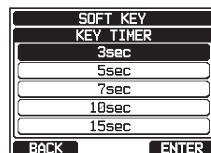
### 15.8.2 Key Timer

1.  → "SETUP" → "CONFIGURATION" → "KEY TIMER"

2. Rotate the **DIAL/ENT** knob to select "KEY TIMER", then press the **[SELECT]** soft key.



3. Rotate the **DIAL/ENT** knob to select the desired time.
4. Press the **[ENTER]** soft key to store the selected setting.
5. Press the **CLEAR** key to return to radio operation.

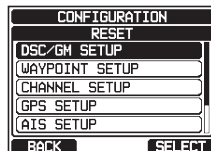


## 15.9 RESET

You may reset the memory and settings of the setup categories independently or return the transceiver to the original factory setting.

1.  "SETUP"  "CONFIGURATION"  "RESET"

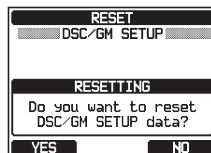
2. Rotate the **DIAL/ENT** knob to select the desired category. You can select one from "**DSC/GM SETUP**", "**WAYPOINT SETUP**", "**CHANNEL SETUP**", "**GPS SETUP**", "**AIS SETUP**", "**CONFIGURATION**", or "**FACTORY**" (all settings\* except the "**MMSI**" and "**Vessel Information**" will be initialized).



(\*: The Individual Directory and the GPS Log also eliminated.)

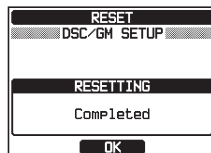
3. Press the **[SELECT]** soft key.

4. Press the **[YES]** soft key. (To cancel, press the **[NO]** soft key.)



5. Press the **[OK]** soft key.

6. Press the **CLEAR** key to return to radio operation.



## 15.10 SUMMARY OF THE CONFIGURATION SETUP

Item	Description	Default Value	Page
DISPLAY MODE	Toggles LCD display mode between daytime and nighttime mode	DAY MODE	105
DIMMER	Adjusts the backlight level of the LCD and keypad	DAY MODE: 7 NIGHT MODE: 4	105
CONTRAST	Adjusts the contrast of the LCD	15	105
KEY BEEP	Adjusts the volume of beep tone when a key is pressed	4	106
FOG FREQUENCY	Sets the tone frequency when transmitting FOG	400Hz	106
LISTEN BACK	Turns on or off of listen back function	ON	106
STATION NAME	Sets the names of the radio and external devices	RADIO RAM 1 RAM 2	107
SOFT KEY	Sets the assignment and display time of the soft keys	10 sec	108
RESET	Initializes the memories and settings	-	110

## 16 CHANNEL FUNCTION SETUP

### 16.1 CHANNEL GROUP

This menu item allows you to select a channel group from USA, Canada, and International.

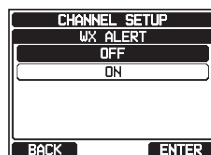
Refer to section “8.7 USA, INTERNATIONAL, AND CANADA MODE” for details.

### 16.2 WEATHER ALERT

Enables/disables the NOAA Weather Alert function. The default setting is “ON”.

1.  → “SETUP” → “CHANNEL SETUP” → “WEATHER ALERT”

2. Rotate the **DIAL/ENT** knob to select “ON” or “OFF”.
3. Press the **[ENTER]** soft key to store the selected setting.
4. Press the **CLEAR** key to return to radio operation.



### 16.3 SCAN MEMORY

To be able to scan channels the radio must be programmed. This section allows channels to be stored in scan memory.

Refer to section “8.10.2 Programming Scan Memory” for details.

### 16.4 SCAN TYPE

This selection is used to select the scan mode between “MEMORY” and “PRIORITY”. The default setting is “PRIORITY”.

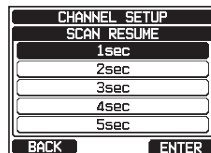
Refer to section “8.10.1 Selecting the Scan Type” for details.

### 16.5 SCAN RESUME

This selection is used to select the time the **GX6000** waits after a transmission ends before the radio starts to scan channels again. The default setting is 2 seconds.

1.  → “SETUP” → “CHANNEL SETUP” → “SCAN RESUME”

2. Rotate the **DIAL/ENT** knob to select the desired resume time, default is 2 seconds. The resume time can be set to “1sec” through “5sec”.
3. Press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.



## 16.6 MULTI WATCH

This selection is used to select the watch type between “DUAL” and “TRIPLE”. The default setting is “DUAL”.

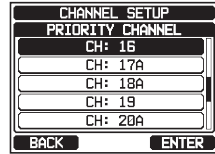
Refer to section “8.9 MULTI WATCH (TO PRIORITY CHANNEL)” for details.

## 16.7 PRIORITY CHANNEL

This procedure allows the radio to use a different priority channel used when priority scanning. By default, the radio priority channel is set to Channel 16.

1.  → “SETUP” → “CHANNEL SETUP” → “PRIORITY CHANNEL”

2. Rotate the **DIAL/ENT** knob to select the desired channel to be a priority.
3. Press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.

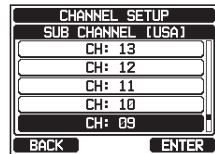


## 16.8 SUB CHANNEL

By default, the sub channel is set to Channel 9. This procedure allows the radio to assign a different sub channel for instant access.

1.  → “SETUP” → “CHANNEL SETUP” → “SUB CHANNEL”

2. Rotate the **DIAL/ENT** knob to select the desired channel to be a sub channel.
3. Press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.



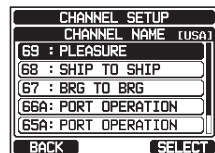
## 16.9 CHANNEL NAME

When the radio (“Normal”) mode is selected, the display will show a name under the channel number. This name describes the use of the channel. The radio has the capability to customize the name by the procedure below.

**Example:** CH69 PLEASURE to HOOKUP

1.  → “SETUP” → “CHANNEL SETUP” → “CHANNEL NAME”

2. Rotate the **DIAL/ENT** knob to select the channel to be named, then press the **[SELECT]** soft key.
3. Rotate the **DIAL/ENT** knob to scroll through the first letter of the new channel name.

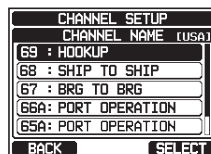


4. Press the **[SELECT]** soft key to store the first letter in the name and step to the next letter to the right.
5. Repeat step 3 and 4 until the name is complete. The name can consist of up to 16 characters, if you do not use all 16 characters, select “→” to move to the next space. This method can also be used to enter a blank space in the name.



If a mistake was made entering in the channel name, rotate the **DIAL/ENT** knob to select “←” or “→”, press the **[SELECT]** soft key until the wrong character is selected, then perform steps 3 and 4.

6. When finished entering the channel name (using fifteen characters or less), press the **[FINISH]** soft key to save the name.
7. If you want to enter the name of another channel, repeat the steps 2 through 6.
8. Press the **CLEAR** key to return to radio operation.



### NOTE

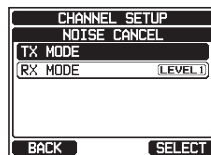
When “CHANNEL NAME” is assigned to the soft key, you can show the channel name input display directly by pressing the **[NAME]** soft key during radio operation.

## 16.10 NOISE CANCELLATION

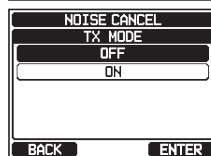
Enables/disables the Noise-canceling function of the transmitter and receiver independently.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**NOISE CANCEL**”

2. Rotate the **DIAL/ENT** knob to select “**TX MODE**”, then press the **[SELECT]** soft key.

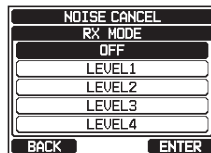


3. Rotate the **DIAL/ENT** knob to select “**ON**” or “**OFF**”, then press the **[ENTER]** soft key.





4. Rotate the **DIAL/ENT** knob to select “**RX MODE**”, then press the **[SELECT]** soft key.
5. Rotate the **DIAL/ENT** knob to select the noise level from “**LEVEL1**” through “**LEVEL4**” or “**OFF**”, then press the **[ENTER]** soft key.
6. Press the **CLEAR** key to return to radio operation.

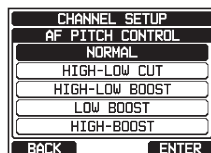


## 16.11 AUDIO FILTER OPERATION

This menu item allows you to select operation of the internal audio filter for the best acoustics in noisy environments. The default setting is “**NORMAL**”.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**AF PITCH CONTROL**”

2. Rotate the **DIAL/ENT** knob to select the desired filter operation.
3. Press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.



## 16.12 RX RECORDER

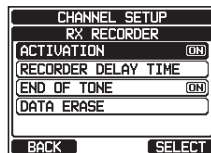
Configure settings of the function for recording received voices.

### 16.12.1 RX Recorder Function ON/OFF

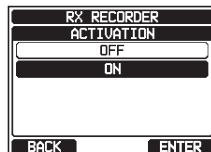
Enable/disable the RX Recorder function. The default setting is “**OFF**”.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**RX RECORDER**”

2. Rotate the **DIAL/ENT** knob to select “**ACTIVATION**”, then press the **[SELECT]** soft key.



3. Rotate the **DIAL/ENT** knob to select “**ON**” or “**OFF**”, then press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.

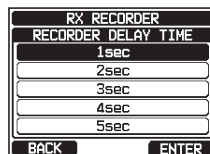
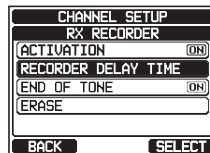


### 16.12.2 Setting for Recording Delay Time

Set the time interval until recording stops after the end of voice reception. The default setting is 3 seconds.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**RX RECORDER**”

2. Rotate the **DIAL/ENT** knob to select “**RECORDING DELAY TIME**”, then press the **[SELECT]** soft key.
3. Rotate the **DIAL/ENT** knob to select the desired delay time. The delay time can be set to “**1sec**” through “**5sec**”.
4. Press the **[ENTER]** soft key to store the new setting.
5. Press the **CLEAR** key to return to radio operation.

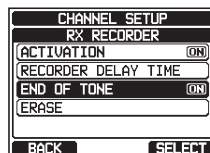


### 16.12.3 Setting for End of Tone

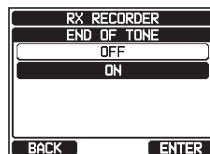
Enable/disable the tone function that indicates the end of recording when recording stops. The default setting is “ON”.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**RX RECORDER**”

2. Rotate the **DIAL/ENT** knob to select “**END OF TONE**”, then press the **[SELECT]** soft key.



3. Rotate the **DIAL/ENT** knob to select “**OFF**” or “**ON**”, then press the **[ENTER]** soft key to store the new setting.
4. Press the **CLEAR** key to return to radio operation.

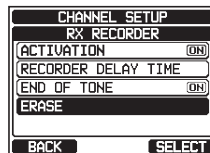


### 16.12.4 Data Erase

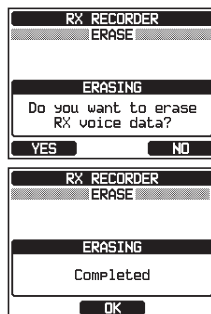
Delete recorded voice data.

1. **[MENU]** → “**SETUP**” → “**CHANNEL SETUP**” → “**RX RECORDER**”

2. Rotate the **DIAL/ENT** knob to select “**DATA ERASE**”, then press the **[SELECT]** soft key.



3. Press the **[YES]** soft key. (To cancel, press the **[NO]** soft key.)
4. Press the **[OK]** soft key.
5. Press the **CLEAR** key to return to radio operation.

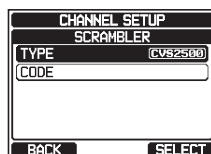


## 16.13 SCRAMBLER SETUP

Configure the voice scrambler setting. Two types of voice scrambler functions are available: the 4-code type (**CVS2500A** compatible) and the 32-code type (**FVP-42** compatible for Furuno Electric FM-4721) (This function is not available for CH16 and CH70).

1. **[MENU]**  $\Rightarrow$  "SETUP"  $\Rightarrow$  "CHANNEL SETUP"  $\Rightarrow$  "SCRAMBLER"

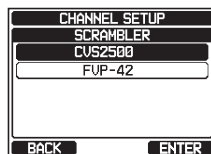
2. Rotate the **DIAL/ENT** knob to select "TYPE", then press the **[SELECT]** soft key.



3. Rotate the **DIAL/ENT** knob to select "CVS2500" or "FVP-42", then press the **[ENTER]** soft key.

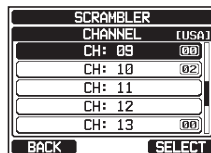
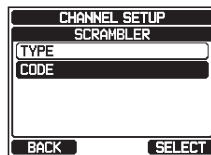
**Note:** Changing this setting will delete all scrambler codes set for each channel.

4. Rotate the **DIAL/ENT** knob to select "CODE", then press the **[SELECT]** soft key.

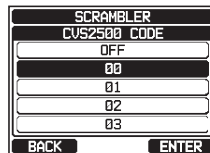


5. Rotate the **DIAL/ENT** knob to select the channel to be scrambled, then press the **[SELECT]** soft key.

**Note:** CH16 and CH70 cannot be used.



6. Rotate the **DIAL/ENT** knob to select the scrambler code. The scrambler code can be set from “00” to “03” or “OFF” (While FVP-42 is selected in step 6, the scrambler code can be set from “00” to “31” or “OFF”). When “OFF” is selected the voice scrambler is disabled.
7. Press the **[ENTER]** soft key to store the selected code.
8. Repeat steps 5 through 7 to set other channels.
9. Press the **CLEAR** key to return to radio operation.



## 16.14 SUMMARY OF THE CANNEL FUNCTION SETUP

Item	Description	Default Value	Page
CHANNEL GROUP	Selects the channel group	USA: USA	35
WEATHER ALERT	Turns on or off the Weather Alert function	OFF	111
SCAN MEMORY	Add or remove a channel to Scan Memory	-	38
SCAN TYPE	Select priority scan or memory scan	PRIORITY	38
SCAN RESUME	Sets the resume time of scanning	2sec	111
MULTI WATCH	Selects Dual Watch or Triple Watch	DUAL	37
PRIORITY CHANNEL	Selects a priority channel	CH16	112
SUB CHANNEL	Selects a Sub Channel	CH09	112
CHANNEL NAME	Edit the name of memory channels	-	112
NOISE CANCEL	Turns on or off of noise cancelling function (independently available for transmission and reception)	OFF	113
AF PITCH CONTROL	Selects the audio filter operation	NORMAL	114
RX RECORDER	Configures settings of the function for recording received voices	ACTIVATION: OFF RECORDING DELAY TIME: 3sec END OF TONE: ON DATA ERASE: -	114
SCRAMBLER	Configures the secret communication settings	TYPE: CVS2500 CORD: -	116

## 17 DSC SETUP

### 17.1 INDIVIDUAL DIRECTORY

The **GX6000** has a DSC directory that allows you to store a vessel or person's name and the associated MMSI you wish to contact via individual calls, position requests and position report transmissions.

To transmit an individual call you program this directory with information of the vessel you wish to contact, similar to a cellular phone's telephone directory.

Refer to section "**10.4.1 Setting up the Individual / Position Call Directory**" for details.

### 17.2 INDIVIDUAL REPLY

This menu item sets up the radio to automatically (default setting) or manually respond to a DSC Individual call requesting you to switch to a working channel for voice communications. When "MANUAL" is selected the MMSI of the calling vessel is shown allowing you to see who is calling. This function is similar to caller id on a cellular phone.

Refer to section "**10.4.2 Setting up the Individual Call Reply**" for details.

### 17.3 INDIVIDUAL ACKNOWLEDGMENT

The radio can be setup to transmit a reply automatically (default) or set so the radio will not reply to an individual call.

Refer to section "**10.4.3 Enabling the Individual Call Acknowledgment**" for details.

### 17.4 INDIVIDUAL RINGER

The radio can be setup to ring like a telephone to alert you the radio received a DSC individual call. The default setting is 2 minutes, however this can be changed to 5, 10 or 15 seconds with the procedure below.

Refer to section "**10.4.6 Setting up the Individual Call Ringer**" for details.

### 17.5 GROUP DIRECTORY

For this function to operate, the same group MMSI must be programmed into all the DSC VHF radios within the group of vessels that will be using this feature.

Refer to section "**10.5.1 Setting up a Group Call**" for details.

## 17.6 POSITION REPLY

The **GX6000** can be set up to automatically (default setting) or manually send your position when requested by another vessel. This selection is important if you are concerned about someone polling the position of your vessel that you may not want to. In the manual mode you will see the MMSI (Maritime Mobile Service Identity Number) or persons name shown on the display allowing you to choose to send your position to the requesting vessel.

Refer to section “**10.6.1 Setting up a Position Request Reply**” for details.

## 17.7 AUTO POSITION POLLING

The **GX6000** has the capability to automatically track seven vessels programmed into the individual directory.

Refer to section “**10.9 AUTO POSITION POLLING**” for details.

## 17.8 AUTO POSITION INTERVAL

The **GX6000** has the capability to automatically track seven vessels programmed into the individual directory.

Selecting the auto position polling time interval between position request transmissions to be setup.

Refer to section “**10.9.2 Setting up the Polling Time Interval**” for details.

## 17.9 AUTO CHANNEL CHANGE

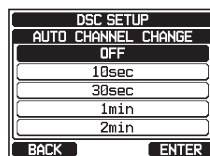
When a DSC distress or an all ships (urgency or safety) call is received, the **GX6000** will automatically switch to Channel 16.

This menu selection allows the automatic switch time to be changed. The default selection is 30 seconds.

1.  → “**SETUP**” → “**DSC SETUP**” → “**AUTO CHANNEL CHANGE**”

2. Rotate the **DIAL/ENT** knob to select the desired time, then press the **[ENTER]** soft key.

3. Press the **CLEAR** key to return to radio operation.



When the “**OFF**” is selected, “[**C**]” icon will light up on the screen.



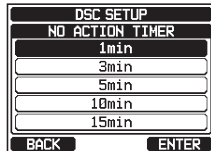
## 17.10 NO ACTION TIMER

If no key is pressed during the “MENU” or “DSC CALL” screen, the **GX6000** will automatically return to radio operation.

The default selection is 15 minutes.

1.  → “**SETUP**” → “**DSC SETUP**” → “**NO ACTION TIMER**”

2. Rotate the **DIAL/ENT** knob to select the desired time, then press the **[ENTER]** soft key.
3. Press the **CLEAR** key to return to radio operation.



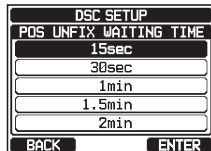
## 17.11 WAIT TIME FOR POSITION FIX

This menu allows you to select the maximum wait time till obtaining position information when receiving a distress call, POS Report call, or acknowledgement to POS request call.

The default selection is 15 seconds.

1.  → “**SETUP**” → “**DSC SETUP**” → “**POS UNFIX WAITING TIME**”

2. Rotate the **DIAL/ENT** knob to select the desired time, then press the **[ENTER]** soft key.
3. Press the **CLEAR** key to return to radio operation.



## 17.12 DSC BEEP

This feature allows the alarm beeps to be turned on or off when a DSC call is received. The DSC calls that can be customized are: individual, group, all ships, position request, position report, geographical, polling, and DSC test.

Refer to section “**10.5.4 Setting up the Group Call Ringer**” for details.

## 17.13 SUMMARY OF THE DSC SETUP MENU

Item	Description	Default Value	Page
INDIVIDUAL DIRECTORY	Enter or edit addresses used for individual call	-	56
INDIVIDUAL REPLY	Selects a reply to individual call	MANUAL	57
INDIVIDUAL ACK.	Selects the message to be sent automatically as an individual call acknowledgement	ABLE	57
INDIVIDUAL RING	Selects the ringing time when an individual call or a position request is received	2 min	61

Item	Description	Default Value	Page
GROUP DIRECTORY	Enter or edit addresses used for group call	-	62
POSITION REPLY	Selects reply mode when receiving a position call	AUTO	67
AUTO POSITION POLLING	Selects the AUTO POSITION POLLING operation type	AUTO POS REQUEST	77
AUTO POS INTERVAL	Selects the transmission interval of AUTO POSITION POLLING signal	30 sec	77
AUTO CHANNEL CHANGE	Selects the delay time to move to the requested channel automatically after receiving a distress call, All Ship call, or group call	30 sec	119
NO ACTION TIMER	Selects the delay time to return to radio operation automatically after no key press	15 min	120
POS UNFIX WAITING TIME	Sets the maximum wait time to obtain position information when receiving a distress call, POS Report call, or acknowledgement to POS request call	15 sec	120
DSC BEEP	Turns on or off the audible alarm when receiving a DSC call	INDIVIDUAL CALL: ON GROUP CALL: ON ALL SHIPS: ON POS REQUEST: OFF POS REPORT: ON GEOGRAPHICAL: ON POLLING CALL: OFF DSC TEST CALL: OFF	120



## 18 GPS SETUP

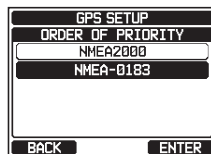
The “GPS Setup” mode allows the parameters for the NMEA2000 or the NMEA-0183 or the optional **SCU-31** external GPS antenna to be customized for your operating requirements.

### 18.1 ORDER OF PRIORITY

Specify the order of priority of the connection devices to be used when obtaining location information.

1.  ►►► “**SETUP**” ►►► “**GPS SETUP**” ►►► “**ORDER OF PRIORITY**”

2. Rotate the **DIAL/ENT** knob to select “**NMEA2000**” or “**NMEA-0183**” then press the **[ENTER]** soft key to save the new setting.



3. Press the **CLEAR** key to return to radio operation.

#### NOTE

The SUC-31 external GPS antenna is always set as the lowest priority.

### 18.2 COMPASS DIRECTION

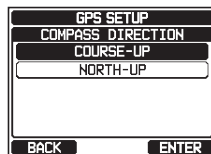
This menu item selects the compass direction to be shown on the **GX6000** display. The default setting is “**COURSE-UP**”.

1.  ►►► “**SETUP**” ►►► “**GPS SETUP**” ►►► “**COMPASS DIRECTION**”

2. Rotate the **DIAL/ENT** knob to select the desired direction from “**COURSE-UP**” and “**NORTH-UP**”.

3. Press the **[ENTER]** soft key to save the new setting.

4. Press the **CLEAR** key to return to radio operation.

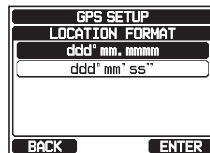


### 18.3 LOCATION FORMAT

This menu item selects the coordinate system to be shown on the **GX6000** display. The default setting is “**ddd°mm.mmmm**”.

1.  ►►► “**SETUP**” ►►► “**GPS SETUP**” ►►► “**LOCATION FORMAT**”

2. Rotate the **DIAL/ENT** knob to select the desired coordinate system. The location format can be selected from “ddd°mm.mmmm” and “ddd°mm’s’s”.
3. Press the **[ENTER]** soft key to save the new setting.
4. Press the **CLEAR** key to return to radio operation.



## 18.4 TIME OFFSET

Sets the local time offset between UTC (Universal Time Coordinated) and local time shown on the display. The offset is added or subtracted from the time received from the GPS.

Refer to section “7.8.1 Changing the GPS Time” for details.

## 18.5 TIME AREA

This menu selection allows the radio to show UTC time or local time with the offset. Refer to section “7.8.2 Changing the Time Area” for details.

## 18.6 TIME FORMAT

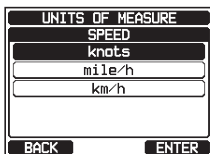
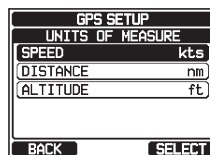
This menu selection allows the radio to show time in 12-hour or 24-hour format. Refer to section “7.8.3 Changing the Time Format” for details.

## 18.7 UNITS OF MEASURE

This section allows you to set the speed, distance and altitude units.

1. **[MENU]** → “SETUP” → “GPS SETUP” → “UNIT OF MEASURE”

2. Rotate the **DIAL/ENT** knob to select the item you want to set.
3. Press the **[SELECT]** soft key.
4. Rotate the **DIAL/ENT** knob to select the unit.
5. Press the **[ENTER]** soft key to store the new setting.
6. Press the **CLEAR** key to return to radio operation.



## 18.8 MAGNETIC VARIATION

This selection allows customizing the GPS COG (Course Over Ground) indication on the normal and compass pages and BRG on the waypoint and AIS pages. Refer to section “7.8.4 Changing COG to True or Magnetic” for details.

### NOTE

Setting to “ON” is effective only when the RMC sentences with magnetic data are input from external devices such as a GPS chart plotter.