

YCE15

PC Programming Software Reference Manual

Attention !

The YCE15 programming software can only be used with HX870 firmware version "Ver. 2.00" or later.

This software is used to program the HX870 VHF FM Marine Handheld Transceiver. With this software, you can quickly and easily program the HX870 operating channels from your personal computer.

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Important Notice: You assume full responsibility for the use of the YCE15.

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Before Using

System Requirements

Supported Operating Systems

- Microsoft® Windows® 10 (32 bit/64 bit)
- Microsoft® Windows® 8.1 (32 bit/64 bit)
- Microsoft® Windows® 8 (32 bit/64 bit)
- Microsoft® Windows® 7 (32 bit/64 bit)

Up to 20 M bytes of free hard disk drive space

USB port (USB 1.1/ USB 2.2)

.NET Framework 3.5 or 4.0

USB Cable (**T9101606**) supplied with the **HX870**

This reference manual was created using the Windows® 7 operating system. Operations and screen examples may vary based on your operating system.

Installation and Removal of the Program

Installing the YCE15

1. Download the **YCE15** PC Programming Software from the YAESU website and save the files to anywhere on your computer. Note that all the files must remain in the same folder.
2. Run the “setup.exe” in the same folder that you have saved the files.
3. Follow the instructions on your computer screen.
If the YCE15 is successfully installed, a shortcut icon “YCE15” will appear on the desktop of your computer. The instruction screen for installing the HX870 device driver will also appear.
4. Follow the instructions on your computer screen.
The device driver will be installed.

To remove the YCE15 from your computer

1. Click the [Start] button and then “Control Panel”.
2. Click “Programs” and then “Remove Programs”.
3. Select “YCE15” then click the menu item “Remove”.

Startup of the Program

Double-click the “YCE15” icon on the desktop of your computer, or click “YCE15” in the Start menu displayed by clicking the [Start] button.

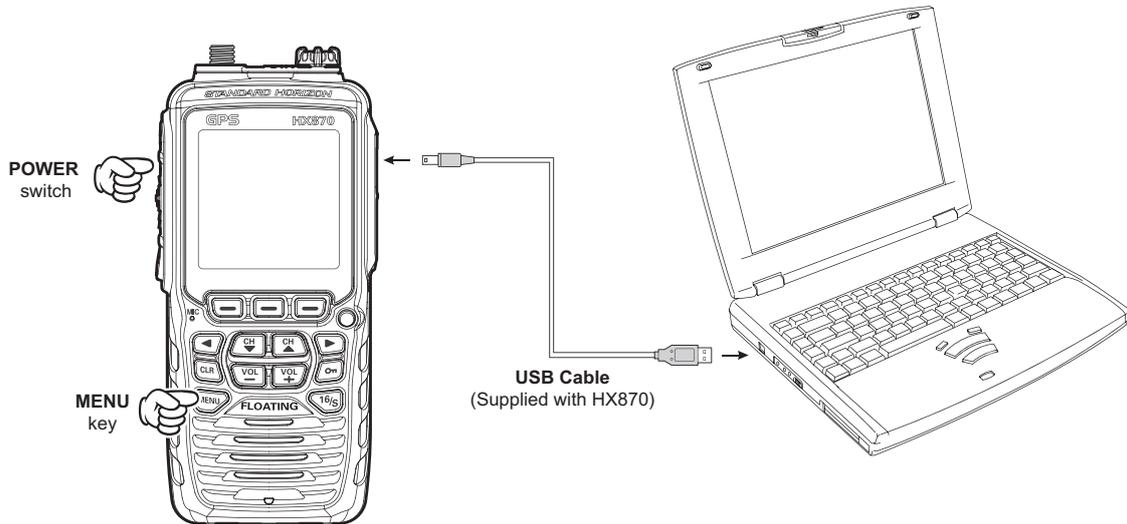
To close the YCE15

Click the [X] button in the top right corner of the YCE15 window, or click “Exit” in the “File” menu of the YCE15.

Connecting HX870 to Your Computer and Entering CP Mode

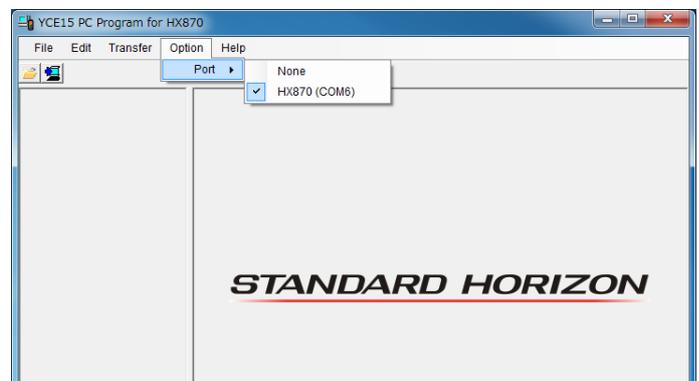
You can use **YCE15** by connecting **HX870** to your computer and entering CP mode.

1. Turn the transceiver off.
2. Connect the computer to the transceivers **DATA** jack using the USB Cable (**T9101606**) supplied with the **HX870**, as shown below.
3. Press and hold the [**MENU**] key while turning the transceiver on, to enter the programming mode.

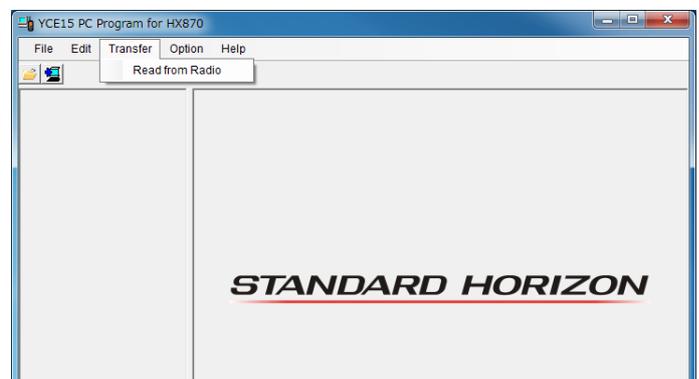


The transceiver will beep and display “**CP MODE**” on the LCD.

4. Start **YCE15** and click “**Option**”.
5. Place the mouse cursor over “**Port**”, then select “**HX870 (COMx)**” from the menu.



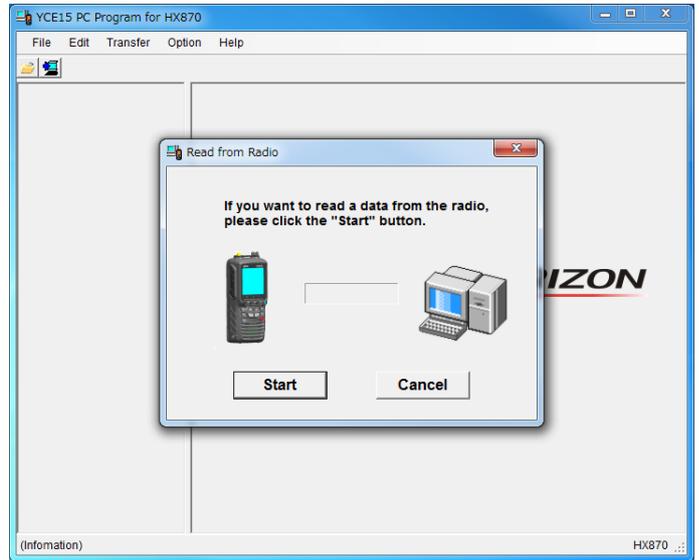
6. Click “**Transfer**”, then select “**Read from Radio**”.



The “**Read from Radio**” screen will appear.

7. Click the **[Start]** button.
On the LCD of **HX870**, “**USB Connected**” will appear. Once reading is successfully completed, a message will appear on the computer screen.
8. Click the **[Ok]** button.
In the left pane of **YCE15**, the setting menu will appear.

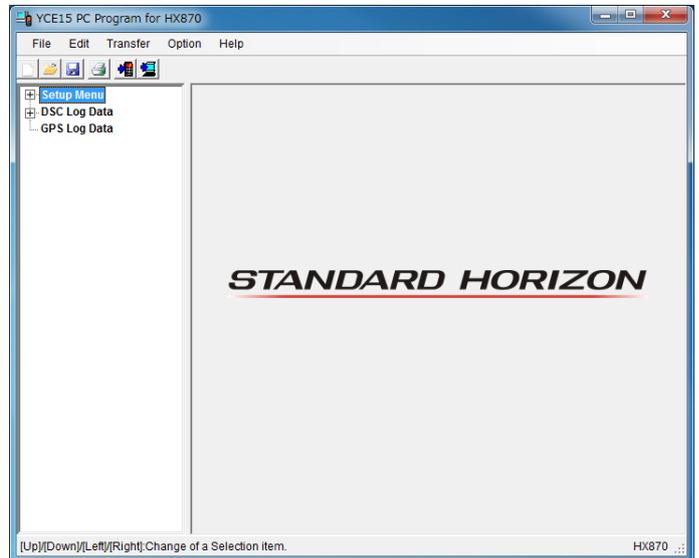
Note: *YCE15 cannot be used when HX870 is not connected.*



Main Screen

The YCE15 main screen consists of two major sections: the **System Tree View** (left pane) and the list of detailed settings or entries of each category (right pane).

The **System Tree View** includes three categories: “**Setup Menu**”, “**DSC Log Data**”, and “**GPS Log Data**”.



“Setup Menu” Category

Double-click the “**Setup**” category to display the setup list (“**DSC Setup**”, “**GM Setup**”, “**Waypoint Setup**”, “**Channels Setup**”, “**GPS Setup**” and “**Configuration**”), then click the desired item to display its contents.

“DSC Setup”

This setting includes the parameters set in the DSC SETUP menu of the SETUP mode on the **HX870** transceiver.

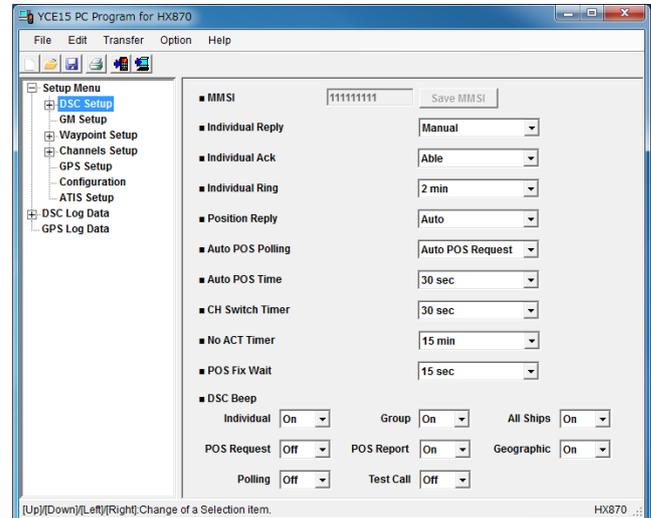
MMSI:

Register MMSI (your ID).

Enter your 9-digit numeric MMSI, then click the [**Save MMSI**] button.

Click the [**Yes**] button in the displayed message to register your MMSI. A message will appear.

Click the [**Ok**] button to close the message.



Important Notice:

Use of inaccurate MMSI numbers is a violation of FCC rules. Vessel owners must obtain an MMSI from the appropriate source prior to using a DSC radio. Self-assigning an MMSI is prohibited.

Notes:

- **Once the MMSI is registered, MMSI cannot be changed. The MMSI will be grayed out. At the same time, the [Save MMSI] button will update to the [Saved MMSI] button.**
- **When the MMSI has been already registered, a window will pop up to notify you. Click the [Ok] button to close the window.**
- **To delete the registered MMSI, click “Advanced Setup” > “DSC Setup” > the “DSC Setup 2” tab > “MMSI” followed by the [Clear] button.**

Individual Reply:

This parameter selects 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.

Individual Ack:

The radio can select either reply message “**Able**” (default) or “**Unable**” when the individual reply setting (described in the previous section) is set to “**Auto**”.

“Setup Menu” Category

Individual Ring:

The radio can be setup to ring like a telephone to alert you the radio received a DSC individual call.

Available values are “**5 sec**”, “**10 sec**”, “**15 sec**”, “**20 sec**”, and “**2 min**”. The default setting is “**2 min**” (2 minutes).

Position Reply:

This parameter selects the radio to automatically or manually respond to a position request call from another vessel.

Available values are “**Auto**”, and “**Manual**”. The default setting is “**Auto**”.

Auto POS Polling:

The **HX870** has the capability to automatically track seven vessels programmed into the individual directory, or to automatically send your position information to the programmed stations.

Available values are “**Auto POS Request**”, and “**Auto POS Report**”. The default setting is “**Auto POS Request**”.

Auto POS Time:

The **HX870** 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.

Available values are “**30 sec**”, “**1 min**”, “**2 min**”, “**3 min**”, and “**5 min**”. The default setting is “**30 sec**” (30 seconds).

CH Switch Timer:

When a DSC distress or an all ships (urgency or safety) call is received, the **HX870** will automatically switch to Channel 16. This menu selection allows the automatic switch time to be changed.

Available values are “**Off**”, “**10 sec**”, “**30 sec**”, “**1 min**”, and “**2 min**”. The default selection is “**30 sec**” (30 seconds). When the “**Off**” is selected, “**C**” icon will light up on the screen.

“Setup Menu” Category

No ACT Timer:

If no key is pressed during the “MENU” or “DSC CALL” screen, the **HX870** will automatically return to radio operation.

Available values are “1 min”, “3 min”, “5 min”, “10 min”, and “15 min”. The default selection is “15 min” (15 minutes).

POS Fix Wait:

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

Available values are “15 sec”, “30 sec”, “1 min”, “1.5 min”, and “2 min”. The default selection is “15 sec” (15 seconds).

DSC Beep:

This feature allows the alarm beeps to be turned “On” or “Off” when a DSC call is received. DSC call selections are as follows.

- Individual
- Group
- All Ships
- POS Request
- POS Report
- Geographic
- Polling
- Test Call

“Individual Directory”

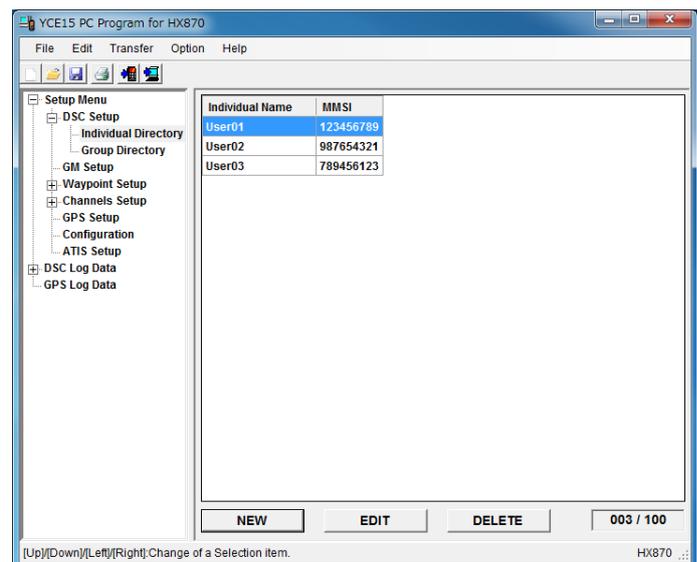
Double-clicking “DSC Setup” will display the “Individual Directory” menu.

The **HX870** has a DSC directory that allows you to store a vessel or person’s name and the associated MMSI number you wish to contact via individual calls, auto polling, position request, position report, and polling transmissions.

To transmit an individual call you must program this directory with information of the persons you wish to call, similar to a cellular phones telephone directory.

Clicking “Individual Directory” will display the entire directory of registered members.

Note: By clicking the item name, items can be sorted.



“Setup Menu” Category

Individual NAME:

This parameter indicates the Individual Name for each Individual Directory.

MMSI:

This parameter indicates the MMSI number for each Individual Directory.

Registering

1. Click the **[NEW]** button.
The registration screen will appear.
2. Set the following items.

Individual Name:

Enter the registration name of the member using up to 15 alphanumeric characters and symbols.

MMSI:

Enter the 9-digit MMSI number of the member.

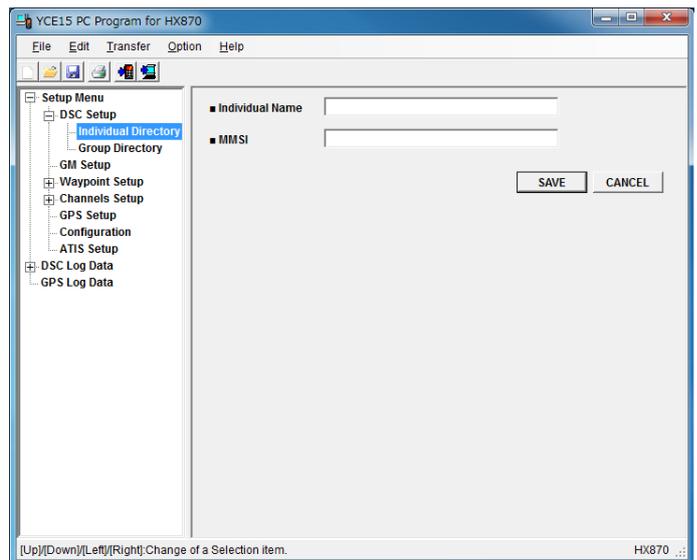
3. Click the **[SAVE]** button.
The member will be registered.

Editing

1. Click and select the member you want to edit, then click the **[EDIT]** button.
The editing screen will appear.
2. Edit each item.
Note: For details about each item, see step 2 of “Registering”.
3. Click the **[SAVE]** button.
The member information will be changed.

Deleting

1. Click and select the member you want to delete, then click the **[DELETE]** button.
The confirmation screen will appear.
2. Click the **[Yes]** button.
A message will appear.
3. Click the **[Ok]** button.
The member will be deleted.



“Setup Menu” Category

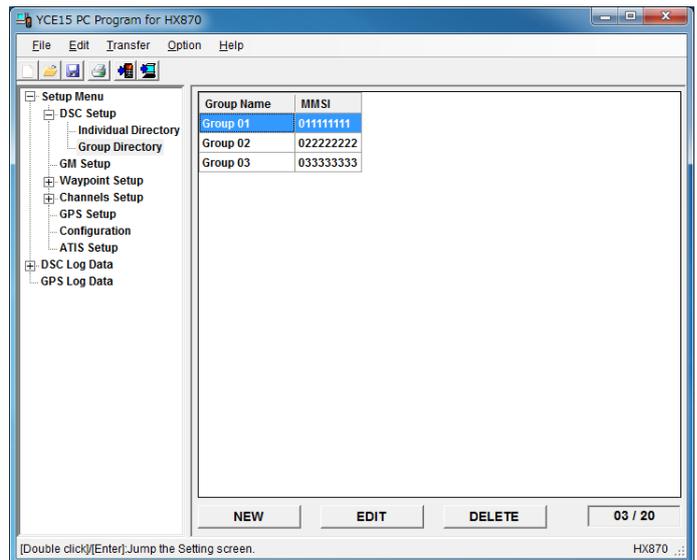
“Group Directory”

Double-clicking “DSC Setup” will display the “Group Directory” menu.

For this function to operate, the same group MMSI (Maritime Mobile Service Identity Number) must be programmed into all the DSC VHF radios within the group of vessels that will be using this feature.

Clicking “Group Directory” will display the directory of registered Groups.

Note: By clicking the item name, items can be sorted.



Group NAME:

This parameter indicates the Group Name for each Group Directory.

MMSI:

This parameter indicates the MMSI number for each Group Directory.

Note: For details of Group MMSI, see “HX870 Owner’s Manual”.

Registering

1. Click the [NEW] button.
The registration screen will appear.

2. Set the following items.

Group Name:

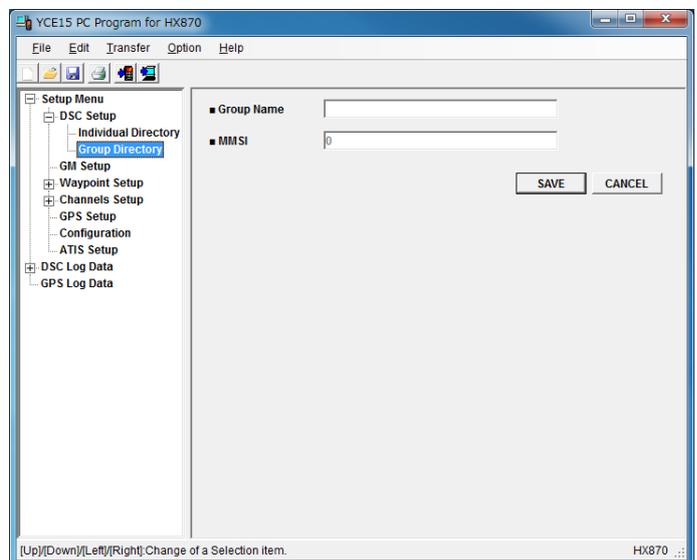
Enter the registration name of the Group using up to 15 alphanumeric characters and symbols.

MMSI:

Enter the 8-digit MMSI number.

Note: The first digit (permanently set to “0”) is entered already.

3. Click the [SAVE] button.
The Group will be registered.



Editing

1. Click and select the Group you want to edit, then click the [EDIT] button.
The editing screen will appear.
2. Edit each item.

Note: For details about each item, see step 2 of “Registering”.

“Setup Menu” Category

3. Click the [**SAVE**] button.
The Group information will be changed.

Deleting

1. Click and select the Group you want to delete, then click the [**DELETE**] button.
The confirmation screen will appear.
2. Click the [**Yes**] button.
A message will appear.
3. Click the [**Ok**] button.
The Group will be deleted.

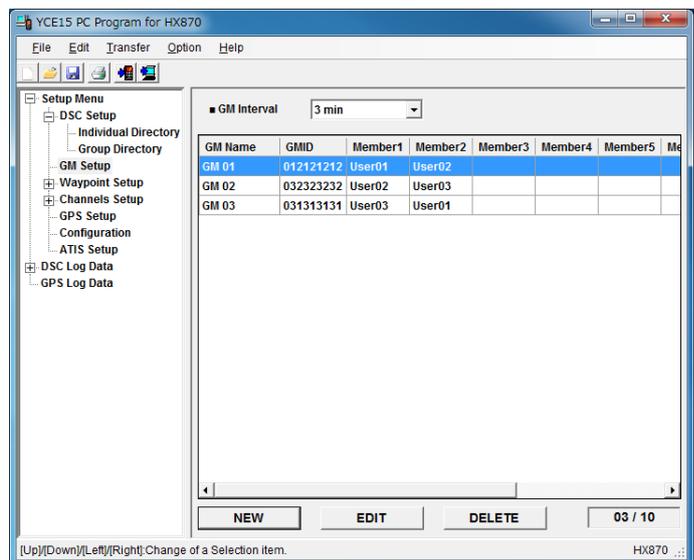
“GM (Group Monitor) Setup”

This item includes the parameters set in the GM SETUP menu of the SETUP mode on the **HX870** transceiver.

Clicking “**GM Setup**” will display the directory of registered GM Groups.

Note: *By clicking the item name, items can be sorted.*

From “**GM Interval**”, select the polling time interval for the GM function. Available values are “**1 min**”, “**3 min**”, “**5 min**”, “**10 min**”, and “**15 min**”. The default selection is “**3 min**” (3 minutes). You can also register, edit and delete GM Groups. The **HX870** is capable of storing up to 10 groups with 1 to 9 members each.



Registering

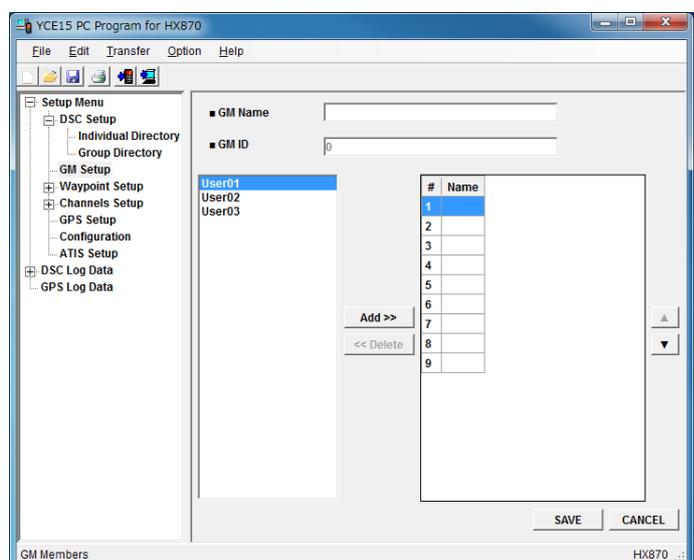
1. Click the [**NEW**] button.
The setup screen will appear.
2. Set the following items.

GM Name:

Enter the name of the GM Group using up to 15 alphanumeric characters and symbols.

MMSI:

Enter the 8-digit MMSI number of the GM Group.



Note: *The first digit (permanently set to “0”) is entered already.*

“Setup Menu” Category

3. Select the member you want to register from the list on the left, then click the [Add>>] button.

Note: The members registered to “Individual Directory” are shown in the list on the left.

The selected member is shown in the directory on the right.

- To unregister, select the member from the directory on the right, then click the [←Delete] button.
- To change the registration order, select the member from the directory on the right, then click the [▲] / [▼] button.

4. Click the [SAVE] button.
The GM Group will be registered.

Editing

1. Click and select the GM Group you want to edit, then click the [EDIT] button.
The editing screen will appear.

2. Edit each item.

Note: For details about each item, see step 2 of “Registering”.

3. If necessary, follow step 3 of “Registering”.
4. Click the [SAVE] button.
The GM Group information will be changed.

Deleting

1. Click and select the GM Group you want to delete, then click the [DELETE] button.

The confirmation screen will appear.

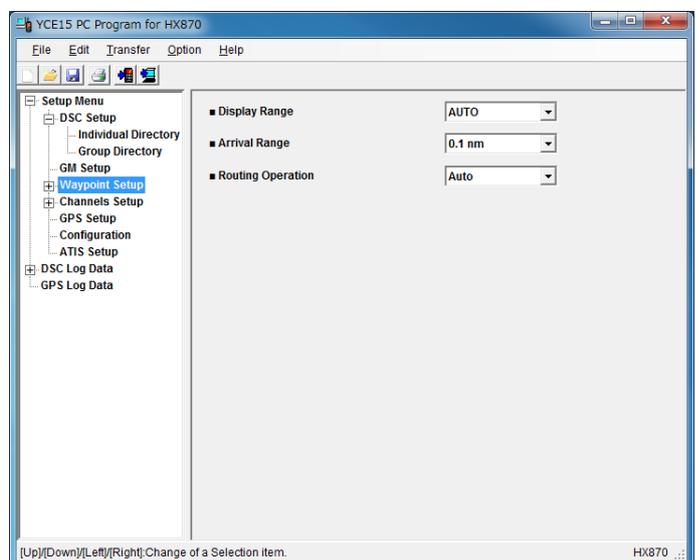
2. Click the [Yes] button.
A message will appear.

3. Click the [Ok] button.
The GM Group will be deleted.

“Waypoint Setup”

This item includes the parameters set in the WAYPOINT SETUP menu of the SETUP mode on the HX870 transceiver.

The **HX870** is capable of storing up to 200 waypoints for navigation using the compass page.



“Setup Menu” Category

Display Range:

This menu item allows setting of the range on the compass display.

Available values are “**AUTO**”, “**2 nm**”, “**5 nm**”, “**10 nm**”. and “**25 nm**”. The default setting is “**AUTO**”.

Arrival Range:

This menu item allows setting of the range within which the **HX870** determines to be around the destination.

Available values are “**0.05 nm**”, “**0.1 nm**”, “**0.2 nm**”, “**0.5 nm**”. and “**1 nm**”. The default setting is “**0.1 nm**”.

Note: From the “**GPS Setup**” menu, select “**Units of Measure Setup**” - “**Distance**” to change the unit.

Routing Operation:

This selection allows you to start navigation to the next target automatically or manually when your vessel has arrived at a target point.

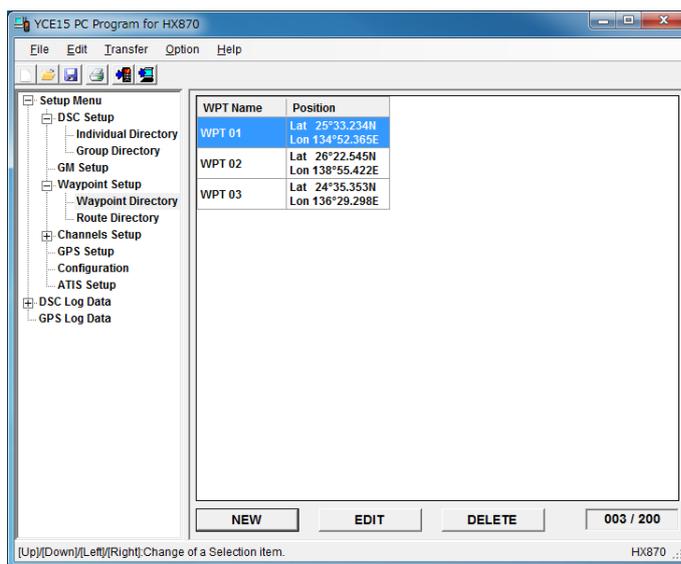
Available values are “**Auto**”. and “**Manual**”. The default setting is “**Auto**”.

“Waypoint Directory”

Double-clicking “**Waypoint Setup**” will display the “**Waypoint Directory**” menu.

Clicking “**Waypoint Setup**” will display the directory of registered Waypoints.

Note: By clicking the **WPT Name**, items can be sorted.



Registering

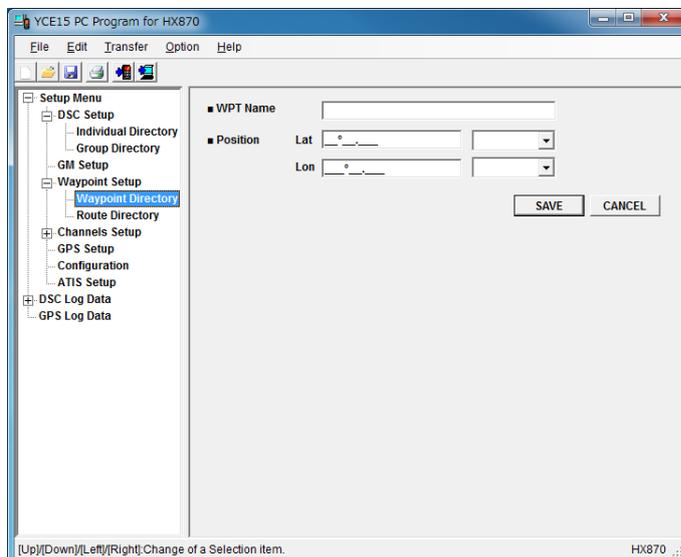
1. Click the [NEW] button.
The registration screen will appear.
2. Set the following items.

WPT Name:

Enter the registration name of the Waypoint using up to 15 alphanumeric characters and symbols.

Position - Lat:

Enter the latitude in “**degrees/minutes/seconds**” and select “**N**” or “**S**” from the dropdown list.



“Setup Menu” Category

Position - Lon:

Enter the longitude in “degrees/minutes/seconds” and select “E” or “W” from the dropdown list.

3. Click the [SAVE] button.
The Waypoint will be registered.

Editing

1. Click and select the Waypoint you want to edit, then click the [EDIT] button.
The editing screen will appear.

2. Edit each item of “WPT Name”.

Note: For details about each item, see step 2 of “Registering”.

3. Click the [SAVE] button.
The Waypoint information will be changed.

Deleting

1. Click and select the Waypoint you want to delete, then click the [DELETE] button.

The confirmation screen will appear.

2. Click the [Yes] button.
A message will appear.

3. Click the [Ok] button.
The Waypoint will be deleted.

“Route Directory”

Double-clicking “Waypoint Setup” will display the “Route Directory” menu.

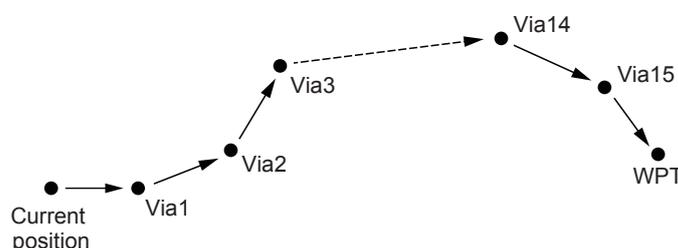
Clicking “Route Directory” will display the directory of registered routes.

Note: By clicking the Route Name, items can be sorted.

For a Route, register its pass point (Via) and waypoint (WPT).

Only 1 point can be registered as WPT and up to 15 points can be registered as Via.

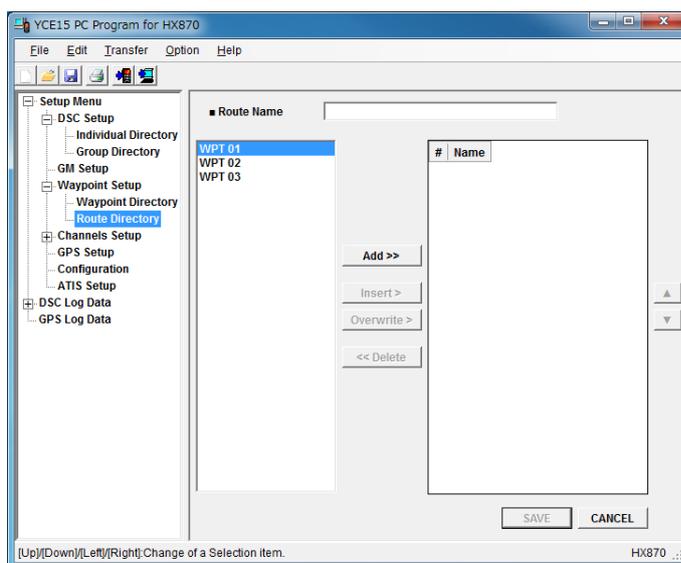
ROUTE Name	WPT Name & Position	Via 1 Name & Position	Via 2 Name & Position
Route 01	WPT 01 Lat 25°33.234N Lon 134°52.365E	WPT 02 Lat 26°22.545N Lon 138°55.422E	WPT 03 Lat 24°35.353N Lon 136°29.298E
Route 02	WPT 03 Lat 24°35.353N Lon 136°29.298E	WPT 02 Lat 26°22.545N Lon 138°55.422E	WPT 01 Lat 25°33.234N Lon 134°52.365E
Route 03	WPT 01 Lat 25°33.234N Lon 134°52.365E	WPT 03 Lat 24°35.353N Lon 136°29.298E	WPT 02 Lat 26°22.545N Lon 138°55.422E



“Setup Menu” Category

Registering

1. Click the **[NEW]** button.
The registration screen will appear.
2. In the “**Route Name**” box, enter the registration name of the Route using up to 15 alphanumeric characters and symbols.
3. Select the Waypoint you want to register as WPT from the list on the left, then click the **[Add]** button.
The selected Waypoint will appear as WPT in the directory on the right.



Note: The Waypoint registered to “Waypoint Directory” will be shown in the list on the left.

4. Select the Waypoint you want to register as Via from the list on the left then click the **[Add]** button.

The selected Waypoint will be shown as Via in the directory on the right.

Note: The Waypoint at the top of the list is WPT.

- To insert a Waypoint above the Waypoint registered in the directory on the right, select a Waypoint you want to add from the list on the left, then from the directory on the right, select the Waypoint above which you want to insert. Click the **[Insert]** button. The new Waypoint will be registered above the Waypoint selected in the directory on the right.
 - To overwrite the Waypoint shown in the directory on the right with another Waypoint, select a Waypoint from the list on the left followed by the Waypoint you want to overwrite from the directory on the right, then click the **[Overwrite]** button. The Waypoint selected in the directory on the right will be overwritten with the Waypoint selected from the list on the left.
 - To unregister the Waypoint shown in the directory on the right, select the Waypoint, then click **[Delete]** button.
 - To change the Waypoint registration order, select the Waypoint from the directory on the right, then click the **[▲]** / **[▼]** button.
5. Click the **[SAVE]** button.
The Route will be registered.

Editing

1. Click and select the Route you want to edit, then click the **[EDIT]** button.
The editing screen will appear.
2. Edit “**Route Name**”.
3. If necessary, follow steps 3 to 4 of “**Registering**”.

“Setup Menu” Category

4. Click the [**SAVE**] button.
The Route information will be changed.

Deleting

1. Click and select the Route you want to delete, then click the [**DELETE**] button.
The confirmation screen will appear.
2. Click the [**Yes**] button.
A message will appear.
3. Click the [**Ok**] button.
The Route will be deleted.

“Channels Setup”

This item includes the parameters set in the CHANNEL FUNCTION SETUP menu of the SETUP mode on the **HX870** transceiver.

Clicking “Channels Setup” will display the “General”, “CH Group 1”, “CH Group 2” and “CH Group 3” tabs.

● “General” tab

Configure the common settings for Channel Setup.

SCAN Type:

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

SCAN Resume Time:

This selection is used to select the time the **HX870** waits after a transmission ends before the radio starts to scan channels again.

Available values are “**1 sec**”, “**2 sec**”, “**3 sec**”, “**4 sec**”. and “**5 sec**”. The default setting is “**2 sec**” (2 seconds).

Noise Cancel:

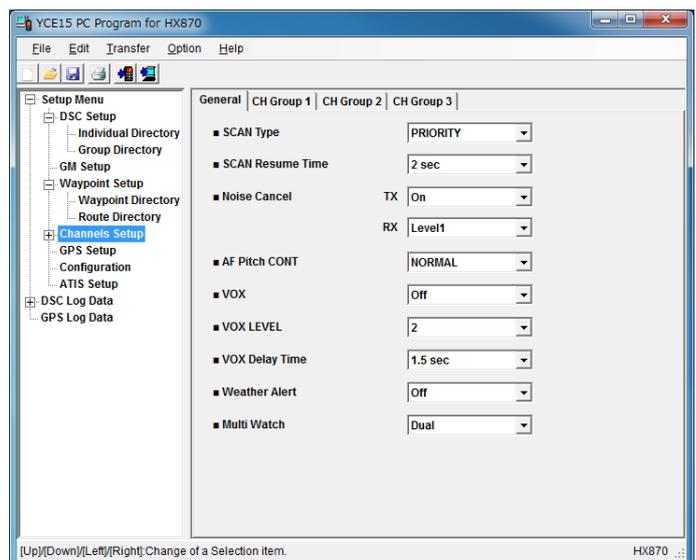
Enables/disables the Noise-canceling function of the transmitter and receiver independently.

For each of “**TX**” and “**RX**”, select “**On**” or “**Off**”. The default setting is “**Off**”.

AF Pitch CONT:

This menu item allows you to select operation of the internal audio filter for your comfortable listening.

Available values are “**NORMAL**”, “**HI-LOW CUT**”, “**HI-LOW BOOST**”, “**LOW BOOST**”. and “**HI BOOST**”. The default setting is “**NORMAL**”.



“Setup Menu” Category

VOX:

Turn on or off the VOX function. The default setting is “Off”.

VOX LEVEL:

Selects the VOX gain. Available values are “0”, “1”, “2”, “3”. and “4”. The default setting is “2”.

VOX Delay Time:

Selects the VOX delay time. Available values are “0.5 sec”, “1 sec”, “1.5 sec”, “2 sec”. and “3 sec”. The default setting is “1.5 sec” (1.5 seconds).

Weather Alert:

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

Multi Watch:

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

● “CH Group 1”, “CH Group 2”, “CH Group 3” tab

Configure the settings for each channel group.

CH Group 1 is for USA mode.

CH Group 2 is for International mode.

CH Group 3 is for Canada mode.

Notes:

- *The setting of items for each CH Group is the same.*
- *The display of this Reference Manual is described on the “HX870-USA”.*

Group Name:

Displays the Group name. “USA” is displayed for CH Group 1, “INTL” is displayed for CH Group 2, and “CAN” is displayed for CH Group 3.

Priority CH:

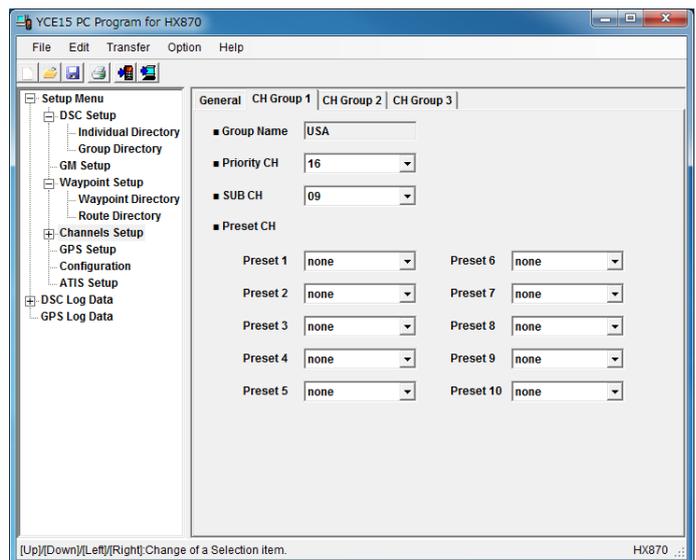
This procedure allows the radio to use a different priority channel when priority scanning. By default the radio priority channel is set to Channel 16.

SUB CH:

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

Preset CH:

10 Preset CH can be set: “Preset 1” to “Preset 10”. The default setting of each Preset CH is “none”.



“Setup Menu” Category

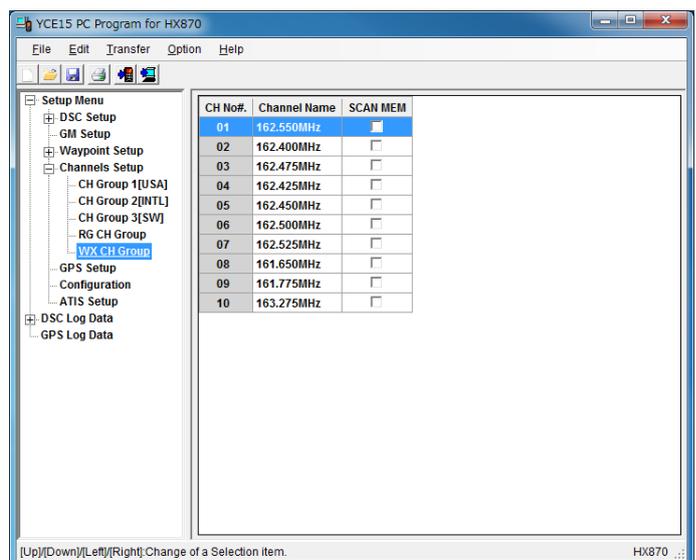
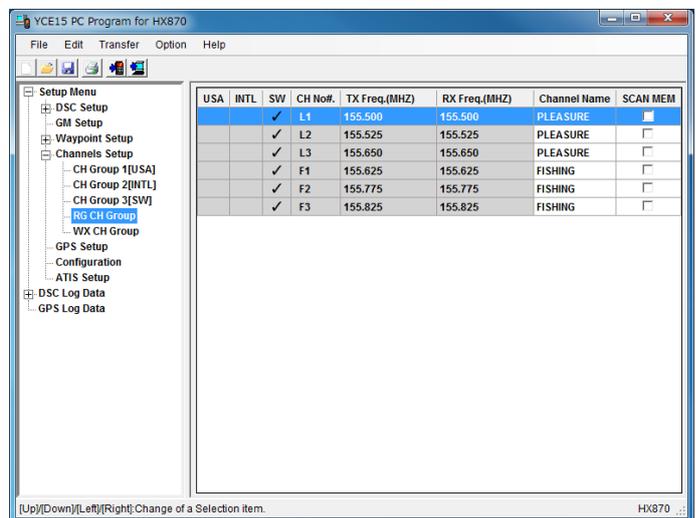
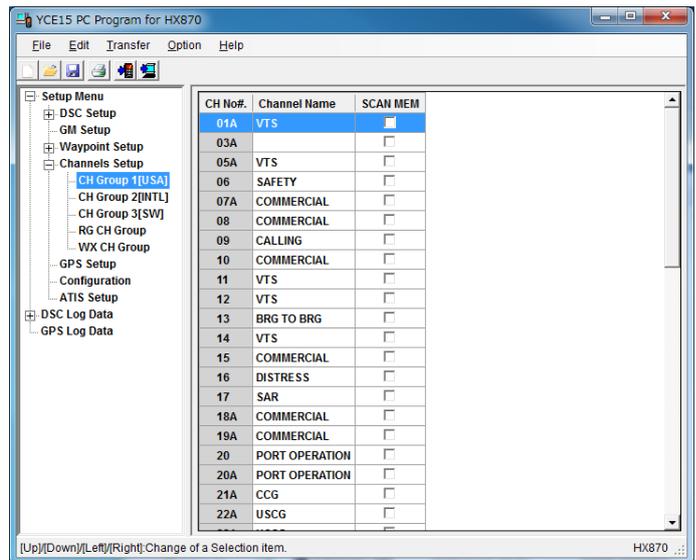
“Channel Name”/“SCAN Memory” Setup for CH Group

Double-clicking “Channels Setup” will display the “CH Group 1[USA]”, “CH Group 2[INTL]”, “CH Group 3[CAN]”, “RG CH Group” and “WX CH Group” menus.

Clicking the “CH Group 1[USA]”, “CH Group 2[INTL]”, “CH Group 3[CAN]”, “RG CH Group” or “WX CH Group” menu will display the list of channel numbers and channel names. Check the box of the channel you want to perform memory scan.

Notes:

- For details of each channel, see “HX870 Owner’s Manual”.
- “WX CH Group” may not appear depending on the country/region in which you purchased the radio.



“Setup Menu” Category

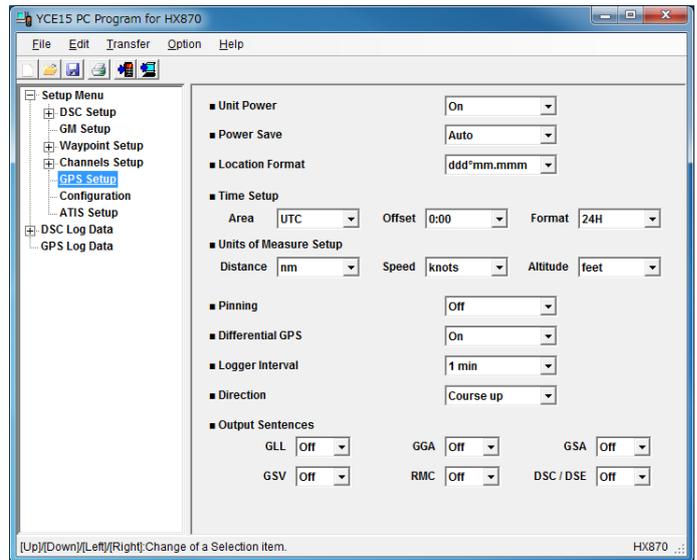
“GPS Setup”

This item includes the parameters set in the GPS SETUP menu of the SETUP mode on the **HX870** transceiver.

The “GPS Setup” mode allows the parameters for the **HX870** internal GPS unit to be customized for your operating requirements.

Unit Power:

This selection allows the internal GPS unit to be turned on or off to conserve battery power. The default setting is “**On**”.



Power Save:

This menu item selects the Battery Save Mode for the internal GPS unit. Available selections are:

Off: GPS Signals are always being received.

Auto: Activates the GPS receiver automatically when GPS signals are received

50%: Activates the GPS receiver for 3 seconds every 3 seconds.

75%: Activates the GPS receiver for 3 seconds every 9 seconds.

90%: Activates the GPS receiver for 3 seconds every 27 seconds.

The default setting for the Power Save Mode is “**Auto**”.

Time Setup - Area:

This menu selection allows the radio to show UTC time or local time with the offset.

Available values are “**UTC**” and “**Local**”. The default setting is “**UTC**”.

Time Setup - 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.

Time Setup - Format:

This menu selection allows the radio to show time in 12-hour or 24-hour format. Available values are “**12H**” and “**24H**”. The default setting is “**24H**”.

Units of Measure Setup - Distance:

This section allows you to set the distance units.

Available values are “**nm**”, “**sm**”, and “**km**”. The default setting is “**nm**”.

“Setup Menu” Category

Units of Measure Setup - Speed:

This section allows you to set the speed units.

Available values are “**knots**”, “**mph**”, and “**km/h**”. The default setting is “**knots**”.

Units of Measure Setup - Altitude:

This section allows you to set the altitude units.

Available values are “**feet**” and “**meter**”. The default setting is “**feet**”.

Pinning:

This selection is used to enable or disable position updates when the vessel is not underway. The default setting is “**Off**”.

Differential GPS:

This selection enables or disables SBAS such as WAAS, EGNOS and MSAS as some areas (Australia for example) can have problems with GPS reception with SBAS enabled. The default setting is “**On**”.

Logger Interval:

Log time for each logger interval setting.

5 sec: Aprox. 8 hours

15 sec: Aprox. 25 hours

30 sec: Aprox. 50 hours

1 min: Aprox. 100 hours

5 min: Aprox. 500 hours

The default setting is “**1 min**”.

Direction:

This menu item selects the compass direction to be shown on the **HX870** display.

Available values are “**North up**” and “**Course up**”. The default setting is “**Course up**”.

Output Sentences:

This selection is used to setup the NMEA output sentences of the **HX870**. The settable Output Sentences are as follows.

- GLL
- GGA
- GSA
- GSV
- RMC
- DSC / DSE

By default, all the NMEA sentences are turned “**OFF**”.

“Setup Menu” Category

“Configuration”

This item includes the parameters set in the CONFIGURATION menu of the SETUP mode on the **HX870** transceiver.

Dimmer:

This menu selection adjusts the back light intensity.

Available values are “Off”, “1”, “2”, “3”, “4”, and “5”. The default setting is “5”.

Lamp:

This menu selection is used to set-up the illumination time of the display and keypad.

Available selections are:

OFF:

Disables the display/keypad lamp illumination.

3 / 5 / 10 / 20 / 30 Sec:

Illuminates the display/keypad for the selected time when you press any key (except the **PTT** switch).

CONTINUOUS:

Illuminates the display/keypad continuously. The default setting is “3 sec”.

Contrast:

The display contrast can be adjusted to suit your operation environment.

Available values are “0” to “30”. The default setting is “10”.

Key Beep:

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

Available values are “Off”, “1”, “2”, “3”, “4”, and “5”. The default setting is “3”.

Battery Save:

This function allows you to change the battery save mode setting.

Available values are “Off”, “50%”, “70%”, “80%”, and “90%”. The default setting is “50%”.

Emergency LED:

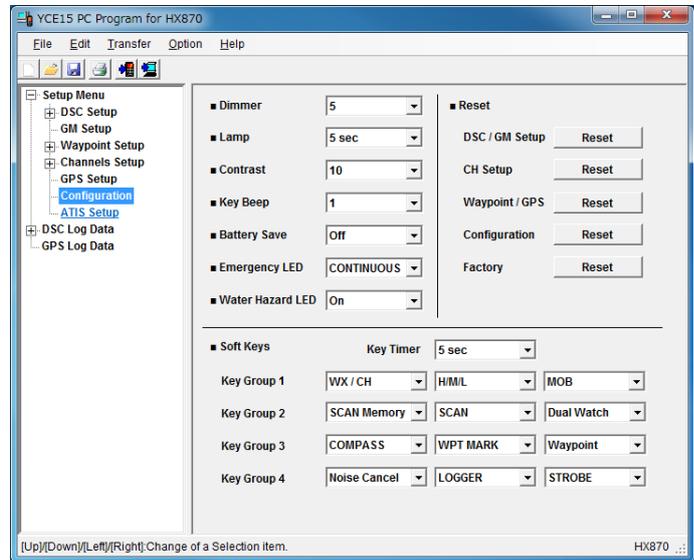
This selection is used to switch and set the function of the emergency LED.

Available values are “CONTINUOUS”, “SOS”, “BLINK 1”, “BLINK 2”, and “BLINK 3”. The default setting is “CONTINUOUS”.

Water Hazard LED:

This selection is used to switch and set the function of the water hazard LED.

Available values are “Off”, “On”, and “On / PWR On”. The default setting is “On”.



“Setup Menu” Category

Reset:

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

Click the [**Reset**] button of the desired category to initialize settings or to erase data.

The resettable setting items are as follows.

- DSC /GM Setup
 - CH Setup
 - Waypoint / GPS
 - Configuration
 - Factory
- If you start a reset before connecting a radio to your computer, settings you have entered on the **YCE15** will be cleared.
 - If you start a reset after connecting a radio to your computer, the radio’s settings and data will be cleared.

Note: See Page 4 for details about the connection between the radio and your computer.

- Clicking the [**Reset**] button will display the confirmation message. Clicking the [**Yes**] button will reset the settings and cause a message to appear. Click the [**Ok**] button in the displayed message.

Soft Keys:

This menu item allows soft key assignment and how long the display will show the soft key icon after a soft key is pressed.

From the “**Key Timer**”, select the soft key icon display duration time. Available values are “**3 sec**”, “**5 sec**”, “**7 sec**”, “**10 sec**”, and “**15 sec**”. The default setting is “**10 sec**”.

From “**Key Group 1**” to “**Key Group 4**”, select the functions for which you want to display the soft key icon. The selectable functions are as follows.

DISPLAY	FUNCTION
None	Hides the soft key icon display.
H/M/L	Selects transmit power.
WX / CH	Switches channels between weather and marine.
SCAN	Turns on or off scanning function.
Dual Watch	Turns on or off dual watch scan.
WPT MARK	Marks the current position for a “WPT”.
COMPASS	Enables the “Compass” display.
Waypoint	Marks the current position for a “Waypoint”.
MOB	Marks the position where a person falls overboard.
SCAN MEMORY	Add or remove channels from memory channel scan.
PRESET	Programs or deletes the preset memory channel.
STROBE	Turns on or off the strobe light LED.
CH NAME	Edit channel names.
LOGGER	Starts and stops logging position data.
Noise Cancel	Enables the noise canceling settings display.

“Setup Menu” Category

“ATIS Setup”*

ATIS Setup allows you to enter your authorized 10-digit ATIS code as well as Enable or Disable ATIS for each Channel Group: Group1[USA], Group2[INTL], Group3[CAN].

(* : HX870E only.)

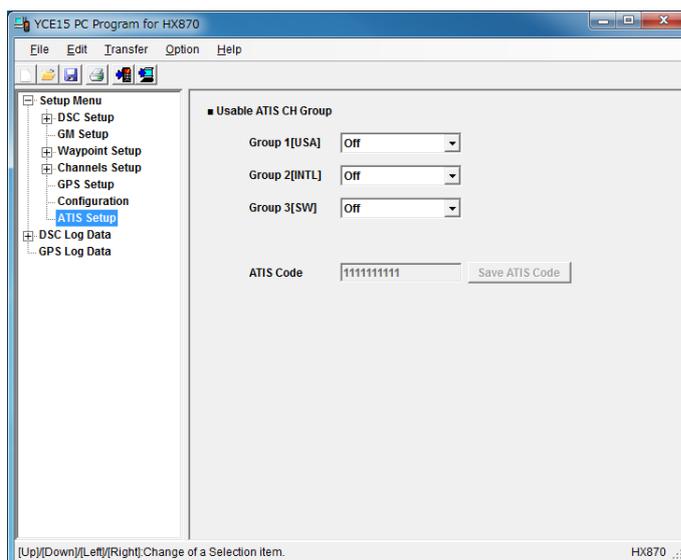
Note:

- The “ATIS Setup” menu is displayed only when a checkmark is inserted in the “ATIS Enable” box from “Advanced Setup” - “ATIS Setup”.
- To delete the registered ATIS Code, click “Advanced Setup” > “ATIS Setup” > “ATIS Code” followed by the [ATIS Code Clear] button.

Usable ATIS CH Group:

For each of “Group 1[USA]”, “Group 2[INTL]”, and “Group 3[CAN]”, select “On” from the dropdown list to enable the ATIS CH Group. Select “Off” to disable the ATIS CH Group.

To set the ATIS Code, enter the code in the “ATIS Code” text box, then click the [Save ATIS Code] button. The ATIS Code is a 10-digit number.



“DSC Log Data” Category

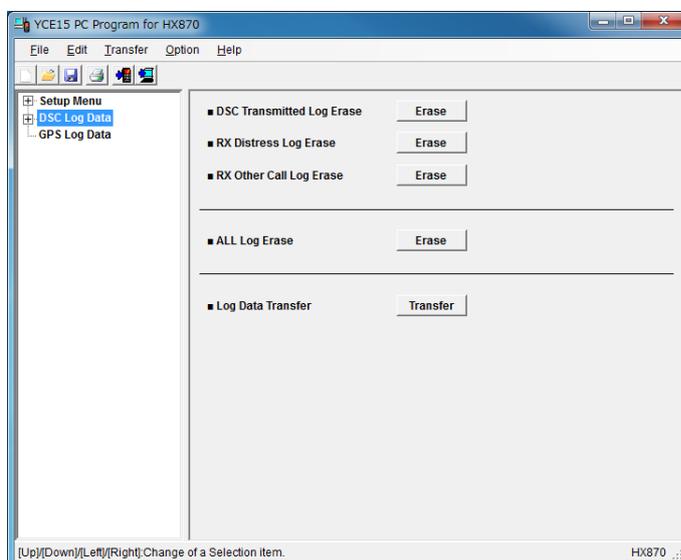
Double click the “DSC Log Data” category to display the setup list (“Transmitted Logs”, “RX Distress Logs”, and “RX Other Call Logs”), then click the desired item to display its contents.

Click “DSC Log Data” to display the operation screen where you can delete logs and download logs as text files.

“DSC Log Data”

DSC Transmitted Log Erase:

Clicking the [Erase] button will delete the DSC Transmitted Log. Click the [Yes] button in the displayed confirmation message. The log will be deleted and a message will appear. Click the [Ok] button in the displayed message.



“DSC Log Data” Category

RX Distress Log Erase:

Clicking the [Erase] button will delete the RX Distress Log. The procedure is the same as “DSC Transmitted Log Erase”.

RX Other Call Log Erase:

Clicking the [Erase] button will delete the RX Other Call Log. The procedure is the same as “DSC Transmitted Log Erase”.

All Log Erase:

Clicking the [Erase] button will delete all logs. The procedure is the same as “DSC Transmitted Log Erase”.

Log Data Transfer:

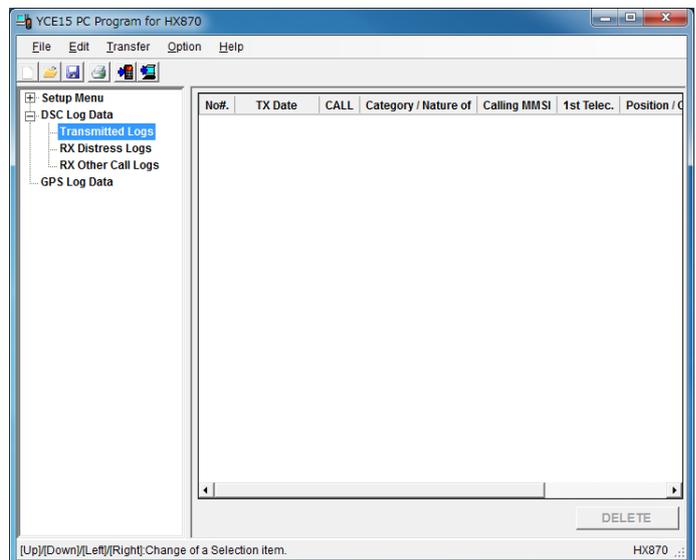
Clicking the [Transfer] button will save a log as a text file.

On the displayed saving destination selection screen, specify the file name and navigate to the folder you want to save the file in, then click the [Save] button.

“Transmitted Logs”

Double-clicking “DSC Log Data” will display the “Transmitted Logs” menu.

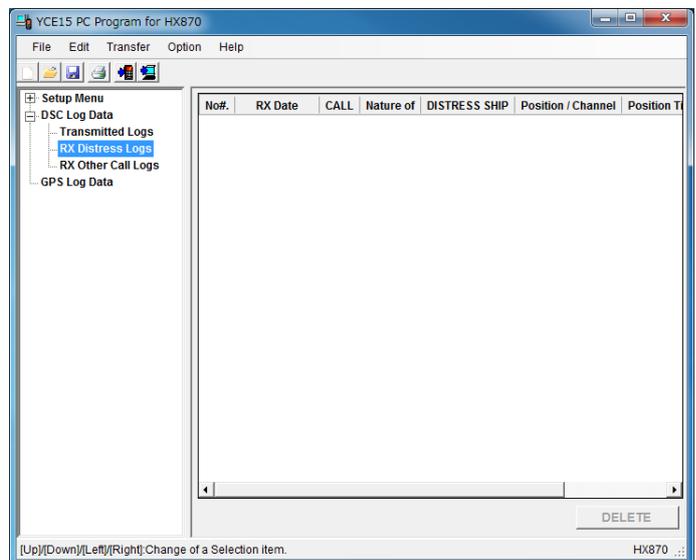
Clicking “Transmitted Logs” will display the Transmitted Logs. Select the log and click the [DELETE] button to delete the log.



“RX Distress Logs”

Double-clicking “DSC Log Data” will display the “RX Distress Logs” menu.

Clicking “RX Distress Logs” will display the RX Distress Logs. Select the log you desire to delete and click the [DELETE] button.

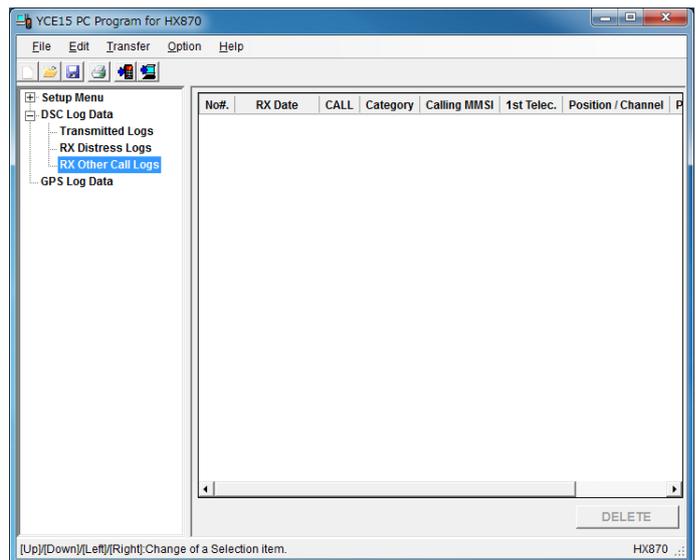


“DSC Log Data” Category

“RX Other Calls Logs”

Double-clicking “DSC Log Data” will display the “RX Other Calls Logs” menu.

Clicking “RX Other Calls Logs” will display the RX Other Calls Logs. Select the log you desire to delete and click the [DELETE] button.



“GPS Log Data” Category

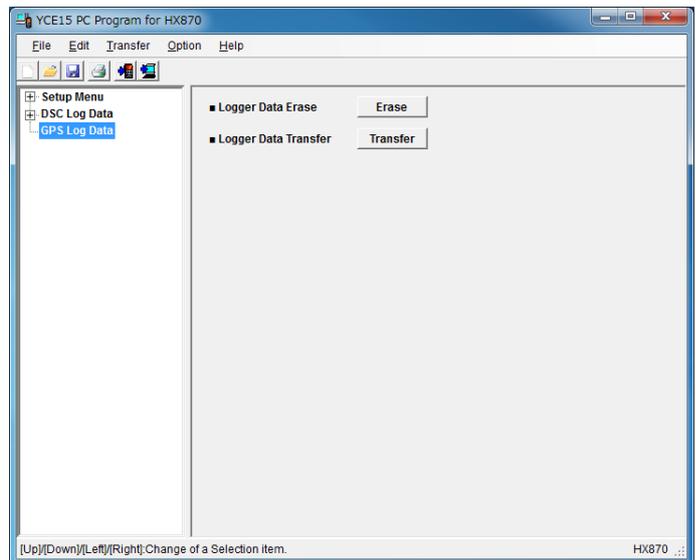
Clicking “GPS Log Data” will display the operation screen where you can delete the desired log and download a log as a text file.

Logger Data Erase:

Clicking the [Erase] button will delete the GPS Log. Click the [Yes] button in the displayed confirmation message. The log will be deleted and a message will be displayed. Click the [Ok] button in the displayed message.

Logger Data Transfer:

Clicking the [Transfer] button will save the GPS Log as a text file. Specify the file name and navigate to the folder you want to save the file in, then click the [Save] button.



“File” Menu

This menu allows you to save a programming configuration to a computer, to recall a previously-saved configuration, or to print a hard copy.

“New”

This selection opens a new file.

Click the left mouse button on the “New” parameter in the “File” menu, open the default configuration of the YCE15.

“Open”

This selection opens a previously-saved configuration from the computer.

Click the left mouse button on the “Open” parameter in the “File” menu, a pop-up window appears which shows you all the current files saved in the specified path. Double click the left mouse button on the desired file to open its file.

“Save”

This selection saves the programming file to the computer with the same name and directory.

Click the left mouse button on the “Save” parameter in the “File” menu, a caution message appears. If you are agreed to over-written the current file, click the left mouse button on the “OK” box.

“Save As...”

This selection saves the programming session to the computer with a new name.

Click the left mouse button on the “Save As” parameter in the File menu, a pop-up window appears which shows you all the current files saved to the specified path. To save the programming session with the new name, type a file name in the bottom box, then click the left mouse button on the “OK” box.

“Print”

This selection prints a programming configuration to hard copy.

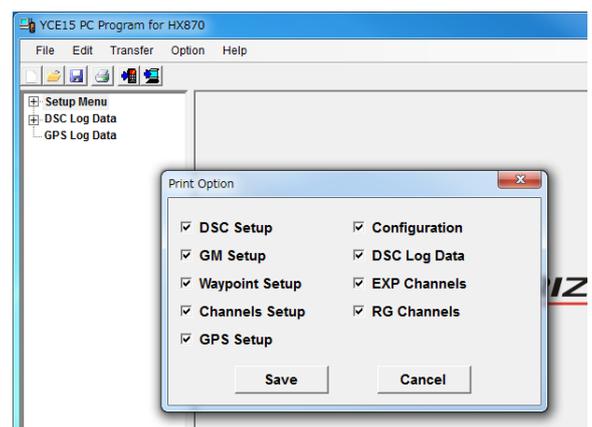
Click the left mouse button on the “Print” parameter in the “File” menu, the “Printer” window open to enable printing.

“Print” ► “Print Option”

This sub-item allows you to select the categories in the “System Tree View” whose data are to be output for printing or saving as plain text.

Only the files selected in the Print Option dialog box “ON ()” will be output.

After you change the setting of the check boxes, click the [Save] button of the dialog box.



“File” Menu

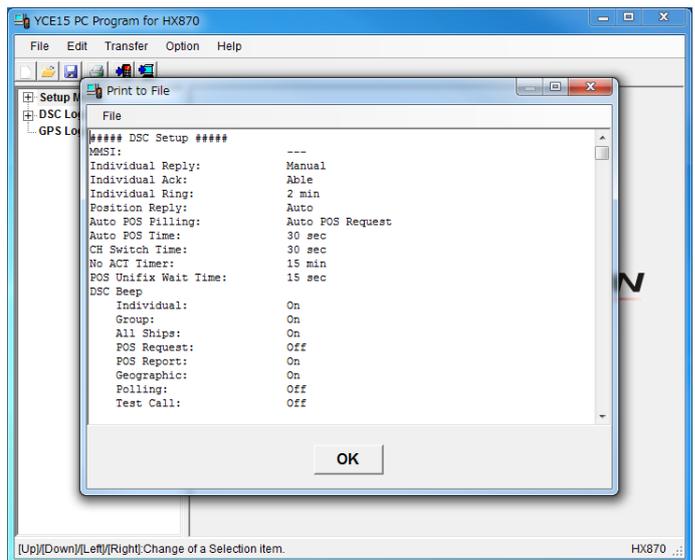
“Print to File”

This item allows you to save the settings you are opening and editing, in plain text.

A window showing the settings in the format to be saved will appear on the display.

To save it, click the “File” menu at the top left of the window, and select “Save As...”.

To cancel the saving, click the [OK] button at the bottom of the window.



“Exit”

This selection quits the program and close the window.

If the present configuration has not been saved to the computer, you will be asked to confirm whether you want to save it.

“Transfer” Menu

This menu performs the uploading or downloading of information to/from a radio. To download/upload data to/from your radio, make a proper connection between the computer and your radio (see Page 3 “Connecting HX870 to Your Computer and Entering CP Mode”) before selecting the “Transfer” menu.

Note: Radio needs to be in CP mode for download/upload. Press and hold MENU button on radio while powering on, "CP MODE" appears on radio display.

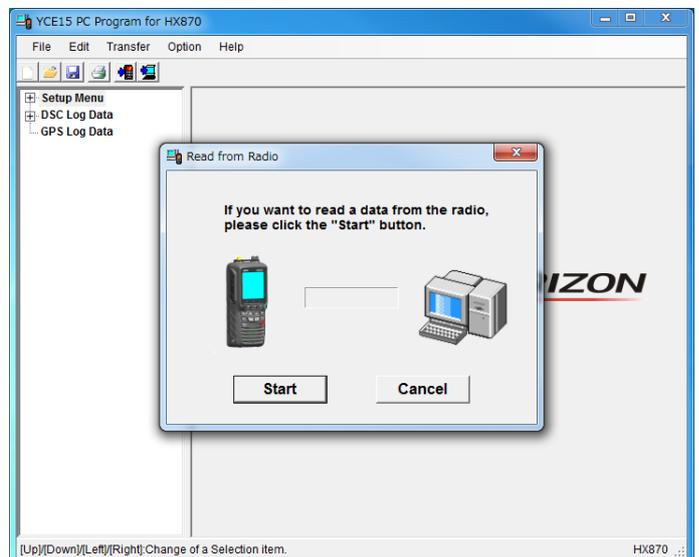
“Read from Radio”

The “Read from Radio” selection uploads the stored data from the radio to the computer.

Select the “Read from Radio” (or click the  button) to open the pop-up window, then click the [Start] button to start uploading.

When the upload is complete a new pop-up window will appear. Click OK to complete the procedure.

Note: Radio needs to be in CP mode to Read from Radio.



“Transfer” Menu

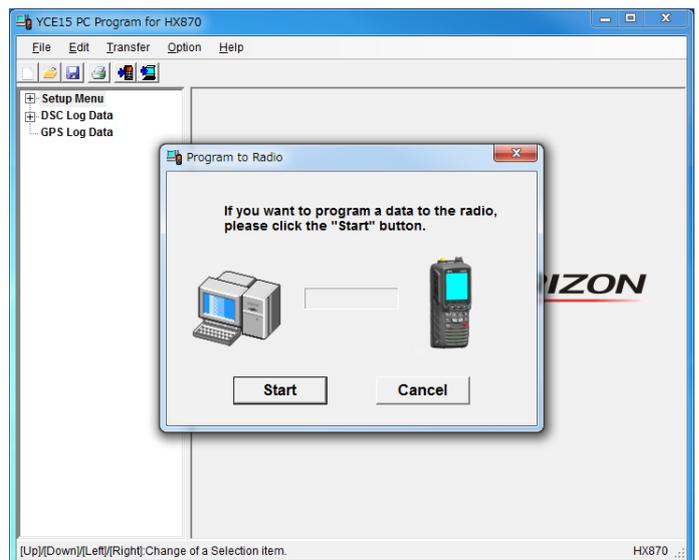
“Program to Radio”

The “**Program to Radio**” selection downloads the data from the computer to the radio.

Select the “**Program to Radio**” (or click the  button) to open the pop-up window, then click the [Start] button to start downloading.

When the download is complete a new popup window will appear. Click OK to complete the procedure.

Note: *Radio needs to be in CP mode to Program to Radio.*



“Option” Menu

This menu allows you to set up the program according to your computer’s configuration.

“Port”

This item selects the communication port used to connect the **HX870**.

If you connect multiple transceivers or other USB devices to your computer, all the active ports will be listed here. Select an appropriate port before resetting a transceiver, erasing or reading the GPS log data, or programming or reading the settings in a transceiver.

“Help” Menu

Click “**Help**”, then select “**About Version**” to display the version information.

STANDARD HORIZON
Nothing takes to water like Standard Horizon

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