

YCE13

Dealer PC Programming Software Reference Manual

Attention !

The YCE13 programing software can only be used with HX380/400 firmware version "Ver. 2.00" or later.

This software is used to program the HX400/HX380 VHF FM Marine Handheld Transceiver. With this software, you can quickly and easily program the HX400/HX380 operating channels from your personal computer.

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Important Notice: You assume full responsibility for the use of the **YCE13**.

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Before Using

System Requirements

- ☐ Supported Operating System
 - 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
- ☐ Radio Programming Cable USB-57B

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 “Programming Software”

1. Download the **YCE13** PC Programming Software from the YAESU Dealer 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 YCE13 is successfully installed, a shortcut icon “YCE13” will appear on the desktop of your computer.

To remove the “Programming Software” from your computer

1. Click the [Start] button and then “Control Panel”.
2. Click “Programs” and then “Remove Programs”.
3. Select “YCE13” then click the menu item “Remove”.

Installing the “USB-57B USB Driver”

Install the USB-57B USB Driver in the personal computer before beginning the PC programming process.

Startup of the Program

Double-click the “YCE13” icon on the desktop of your computer, or click “YCE13” in the Start menu displayed by clicking the [Start] button.

To close the YCE13

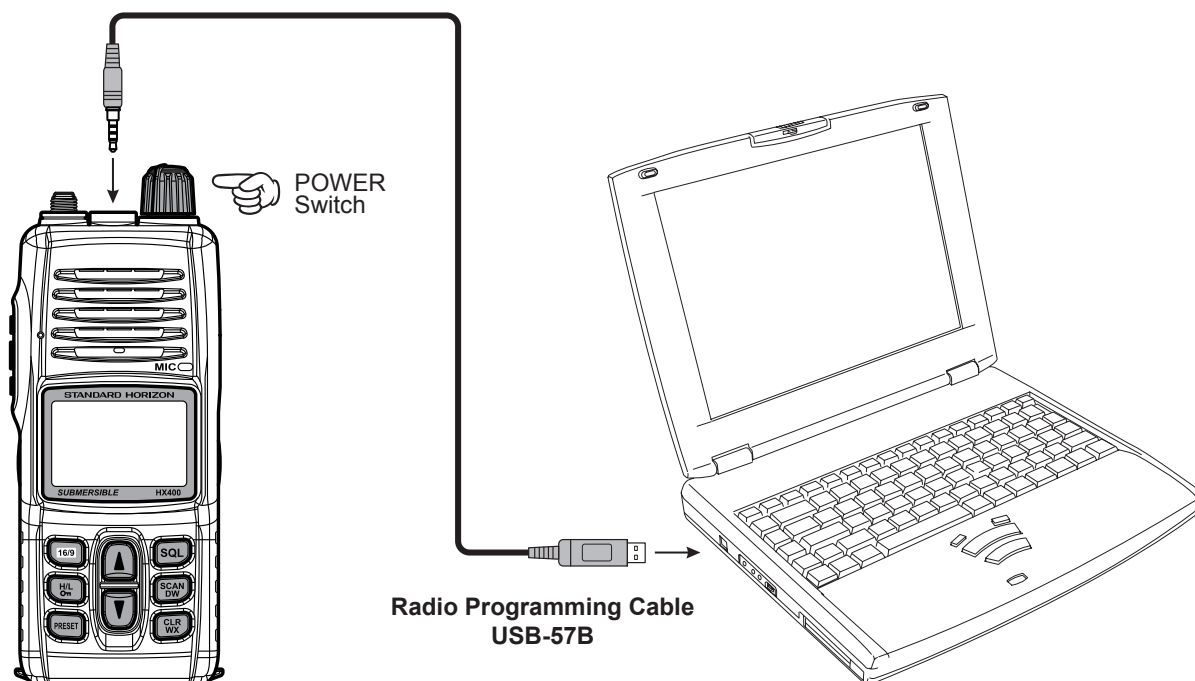
Click the [X] button in the top right corner of the YCE13 window, or click “Exit” in the “File” menu of the YCE13.

Connecting HX400/HX380 to Your Computer

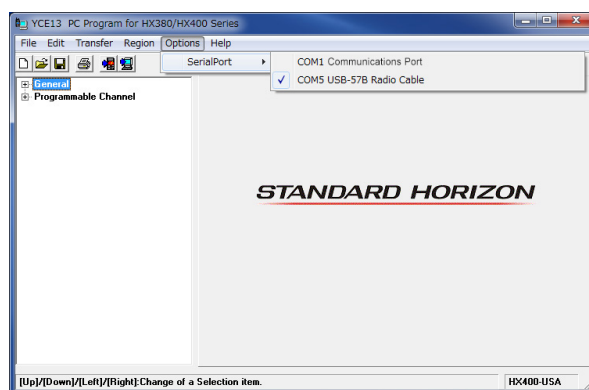
You can use YCE13 by connecting HX400/HX380 to your computer.

1. Turn the transceiver off.
2. Connect the computer to the transceivers MIC/SP jack using the Radio Programming Cable (USB-57B) as shown below.
3. Turn on the transceiver to enter the programming (CP) mode.

Note: After turning the transceiver on, do not perform any operations such as pressing buttons. Doing so will cancel programming (CP) mode.



4. Start YCE13 and click “Options”.
5. Place the mouse cursor over “Serial-Port”, then select “**COMx USB-57B Radio Cable**” (COM number connected to the transceiver) from the menu.

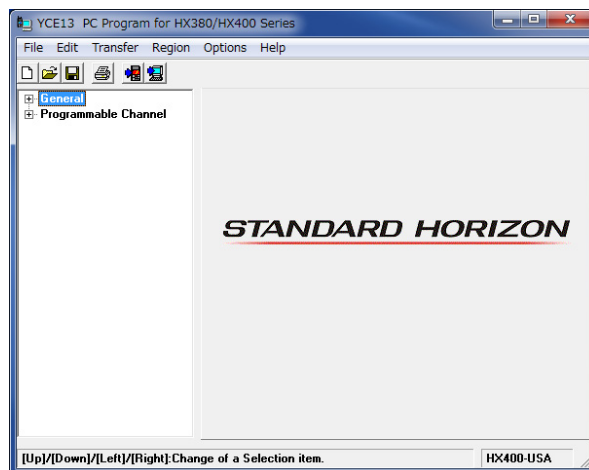


Main Screen

The YCE13 Personal Programming System consists of two major sections: the “**System Tree View**” (left side) and its sub-folders (right side).

The “**System Tree View**” consists of two categories: the “**General**” and “**Programmable Channel**”. However, when opening the YCE13 for the first time, the “**LMR Channel**” and “**EXP Channel**”^{*} categories are not displayed until the “LMR CH Group” and “EXP CH Group” check box is selected. The channel data of the “LMR CH Group” is used for the Land Mobile Radio operation, and the channel data of the “EXP CH Group” is used for the Marine VHF Radio operation. Refer to the next page for the location of the “LMR CH Group” and “EXP CH Group” check boxes.

^{*}: HX400-USA / HX380-USA only

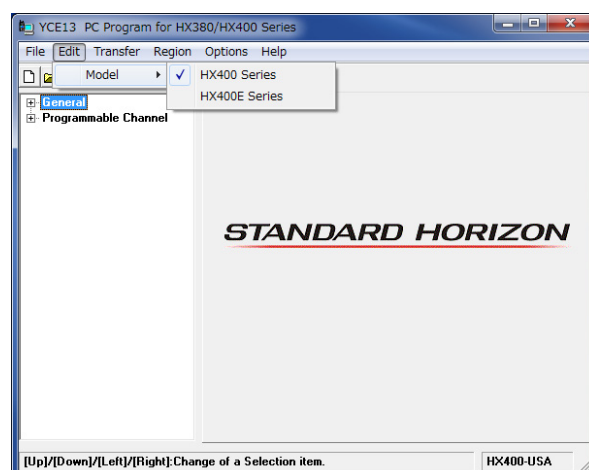


Edit Menu

Edit allows you to select the model of radio you are going to program.

Note: If you select a model other than the currently selected model, a message will appear to confirm if you really want to change the model.

Click the [OK] button to change the model and initialize all settings.

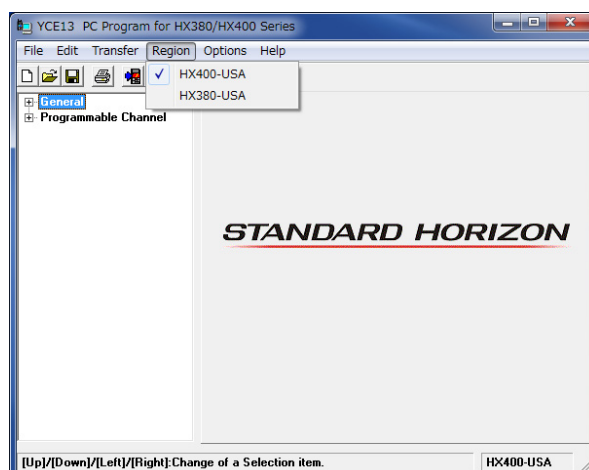


Region Menu

Click the left mouse button on the “**Region**” menu tab, then click the left mouse button on the “Region” which you wish to programmed to specified.

Note: If you select a region other than the currently selected region, a message will appear to confirm if you really want to change the region.

Click the [OK] button to change the region and initialize all settings.



“General” Selection

Double click the left mouse button on the “**General**” selection in the left window of the screen to display its sub-folders (“**Available CH Group Setup**”, “**Common Setup**” and “**ATIS Setup**”), then click the left mouse button on the desired folder to display its contents.

Available CH (Channel) Group Setup

USA / INTL/CANADA/LMR CH/EXP CH*:

These parameters determine which of the possible Channel Groups shall be “**Used** (☒)” or “**Not Used** (☐)” for the radio.

(*: HX400-USA / HX380-USA only)

TX TOT:

This parameter toggles the TX Time-Out Timer feature “**On**” or “**Off**”.

When this parameter is set to “**On**”, if you transmit continuously for more than five minutes, the radio will automatically return to the receive mode, and transmission will be inhibited for 10 seconds.

Priority CH (Channel):

This parameter selects the Priority Channel to be used during Priority Scan and Dual Watch operation. Available selections are channels “**09**”, “**16**”, and “**Off**”.

Status Icon:

This parameter selects whether the Status Icon shall appear “**(On)**” or not “**(Off)**” on the display.

Common Setup

Starting TX Mode (TX Po Display):

This parameter sets the TX output power used when the radio is first turned on.

Available selections are:

Lo Po Only:

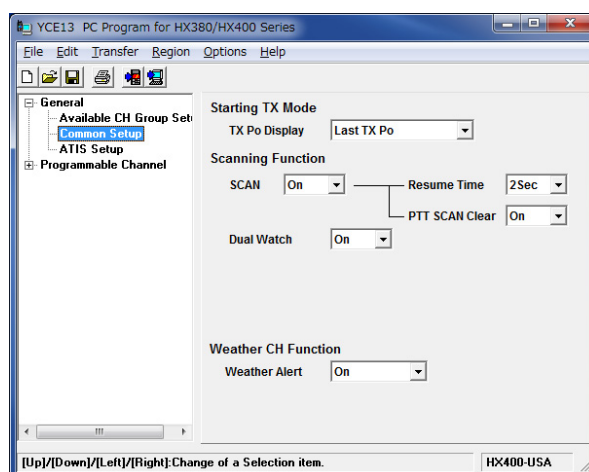
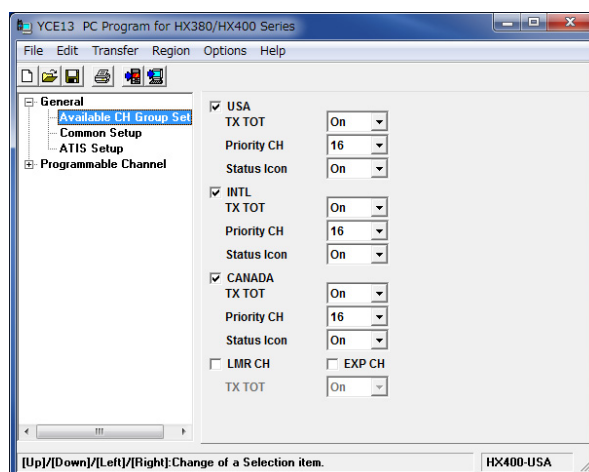
Sets the TX output power to “**LO**”, when the radio is turned on.

Lo Po on Changing CH:

Sets the TX output power to “**LO**”, when the radio is turned on or when you switch to a different channel.

Last TX Po:

Sets the TX output power to the same setting used when the radio was turned off.



“General” Selection

Scanning Function (Scan):

This parameter toggles the Scan feature “On” or “Off”.

Scanning Function (Resume Time):

This parameter selects the Scan Resume Time. Available values are “1sec”, “2sec”, “3sec”, and “Off”.

When this parameter is set to “1sec”, “2sec”, or “3sec”, the scanner will hold for the selected period (seconds), then resume whether or not the other station is still transmitting. When this parameter is set to “Off”, the scanner will restart immediately when a signal is dropped.

Scanning Function (PTT SCAN Clear):

This parameter defines whether the Scan function shall be aborted “(On)” or not aborted “(Off)” when the PTT switch is pressed while Scanning is engaged.

Scanning Function (Dual Watch):

This parameter toggles the Dual Watch feature “On” or “Off”.

Weather CH Function (Weather Alert)*:

This parameter toggles the Weather Alert feature “On” or “Off”.

(*: HX400-USA / HX380-USA only)

ATIS Setup

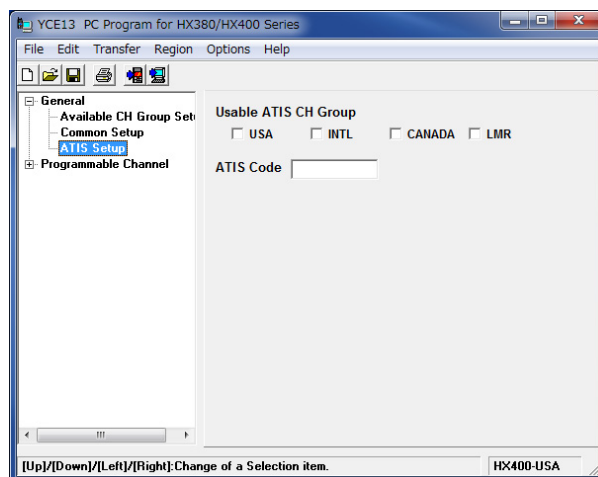
These parameters define whether the ATIS function shall be Enabled “(☒)” or Disabled “(☐)” for each Channel Group.

ATIS Code:

This parameter allows entry of your (authorized) ten-digit ATIS Code.

To program the User ATIS code, click the left mouse button on this parameter to enable programming, then enter the ten-digits ATIS Code. Now, press the [Enter] key to save the programmed ATIS Code.

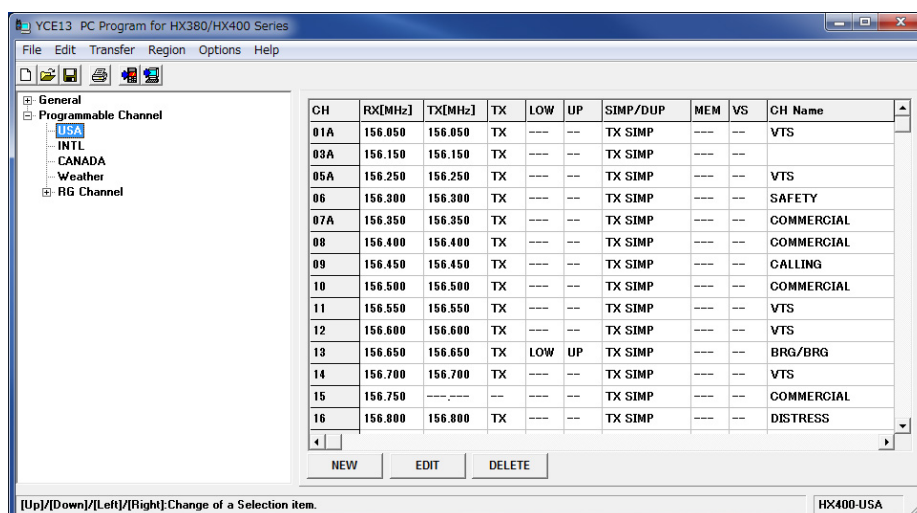
Important Notice: Entering the ATIS Code incorrectly will cause trouble and inconvenience to other ATIS users. Be sure to enter the ATIS code accurately.



“Programmable Channel” Selection

Double click the left mouse button on the “**Programmable Channel**” selection in the left window of the screen to display its sub-folders (“**USA**”, “**INTL**”, “**CANADA**”, and “**Weather**”), then click the left mouse button on the desired folder to display the “**Program Channel List Table**”. (*: HX400-USA / HX380-USA only)

“USA”, “INTL”, and “CANADA” Folders



CH	RX[MHz]	TX[MHz]	TX	LOW	UP	SIMP/DUP	MEM	VS	CH Name
01A	156.050	156.050	TX	---	---	TX SIMP	---	---	VTS
03A	156.150	156.150	TX	---	---	TX SIMP	---	---	VTS
05A	156.250	156.250	TX	---	---	TX SIMP	---	---	VTS
06	156.300	156.300	TX	---	---	TX SIMP	---	---	SAFETY
07A	156.350	156.350	TX	---	---	TX SIMP	---	---	COMMERCIAL
08	156.400	156.400	TX	---	---	TX SIMP	---	---	COMMERCIAL
09	156.450	156.450	TX	---	---	TX SIMP	---	---	CALLING
10	156.500	156.500	TX	---	---	TX SIMP	---	---	COMMERCIAL
11	156.550	156.550	TX	---	---	TX SIMP	---	---	VTS
12	156.600	156.600	TX	---	---	TX SIMP	---	---	VTS
13	156.650	156.650	TX	LOW	UP	TX SIMP	---	---	BRG/BRG
14	156.700	156.700	TX	---	---	TX SIMP	---	---	VTS
15	156.750	---	---	---	---	TX SIMP	---	---	COMMERCIAL
16	156.800	156.800	TX	---	---	TX SIMP	---	---	DISTRESS

Registering

1. Click the [NEW] button.

The registration screen will appear.

2. Set the following items.

BASE CH No.: *Base Channel Number*

This field allows select of the operating base channel number.

RX Frequency (RX [MHz]): *Receive frequency*

This parameter indicates the Receive frequency of the channel.

This parameter can not be edited.

TX Frequency (TX [MHz]): *Transmit frequency*

This parameter indicates the Transmit frequency of the channel.

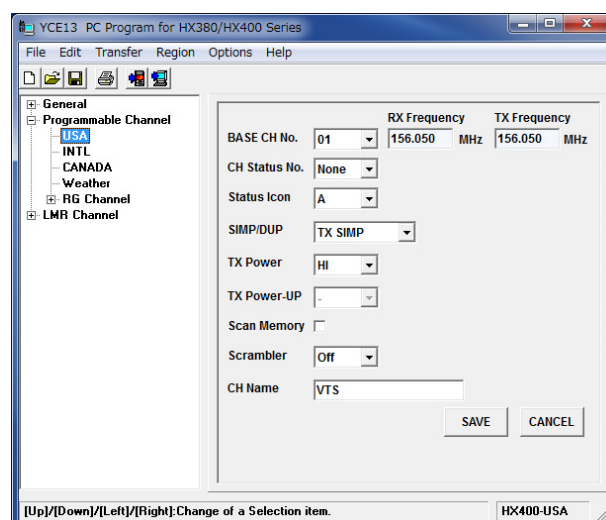
This parameter can not be edited.

CH Status No.:

This field allows define of the upper two digits of the channel display. Available values are “10”, “20”, and “None”. e.g. when “10” is chosen in this field, CH number is displayed as “10xx.”

Status Icon:

This field allows define of the lower one digit of the channel display. Available values are “A”, “B”, and “-”. e.g. when “A” is chosen in this field, CH number is displayed as “xxA.”



YCE13 PC Program for HX380/HX400 Series

File Edit Transfer Region Options Help

General
Programmable Channel
USA
INTL
CANADA
Weather
RG Channel
LMR Channel

BASE CH No. 01 RX Frequency 156.050 MHz TX Frequency 156.050 MHz

CH Status No. None

Status Icon A

SIMP/DUP TX SIMP

TX Power HI

TX Power-UP -

Scan Memory ☐

Scrambler Off

CH Name VTS

SAVE CANCEL

“Programmable Channel” Selection

SIMP/DUP: *Simplex/Duplex Operation*

This parameter defines the simplex or duplex operation.

TX SIMP: Simplex operation at the set TX frequency.

RX SIMP: Simplex operation at the set RX frequency.

DUP: Duplex operation

Reverse DUP: Duplex operation at the reversed set frequency.

TX Power (LOW): *Transmitter Power Output*

This parameter defines the transmitter’s power output on this channel.

Available values are “**HI**”, “**LOW**”, and “**OFF**”. When this parameter is set to “**Off**”, the transmission is disabled.

Default values are programmed into each channel, according to international standards.

TX Power-UP (UP): *Transmit Power Selection*

This parameter defines whether transmit power selection capability by the user shall be Enabled (“**UP**”) or Disabled (“**–**”).

This parameter is ignored when the “**TX Power**” parameter is set to “**HI**”.

Scan Memory (MEM): *Memory Channel Scan*

This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for Scanning.

Scrambler (VS)*: *Voice Scrambler*

This parameter defines whether the Voice Scrambler shall be Enabled or Disabled, and selects its scramble code.

When this parameter is set to “**0**”, “**1**”, “**2**”, or “**3**”, the Voice Scrambler will activate with its scramble code. When this parameter is set to “**Off**”, the Voice Scrambler is disabled.

Important Note: The Voice Scrambler can not activate on the Channel 16 and Channel 70. (*: HX400 Series only)

CH Name: *Alpha/Numeric “Tag”*

This field allows entry of the 12-character Alpha/Numeric “Tag” used to identify the channel.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag, then press the [**Enter**] key to save the programmed “Tag.”

The characters to be used include “0 ~ 9”, “A ~ Z”, and some characters.

3. Click the [**SAVE**] button.

The Channel will be registered.

“Programmable Channel” Selection

Editing

1. Click “Programmable Channel” to display the list. On the list, click the Programmable Channel you want to edit followed by the **[EDIT]** button. Or, double-click the row of Programmable Channel.

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 Programmable Channel information will be changed.

Deleting

1. Click “Programmable Channel” to display the list. On the list, click the Programmable Channel you want to delete followed by the **[DELETE]** button.

The Programmable Channel will be deleted.

“Weather” Folder*

Enable: Channel Operation Status

This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for operation.

Scan: Scan Status

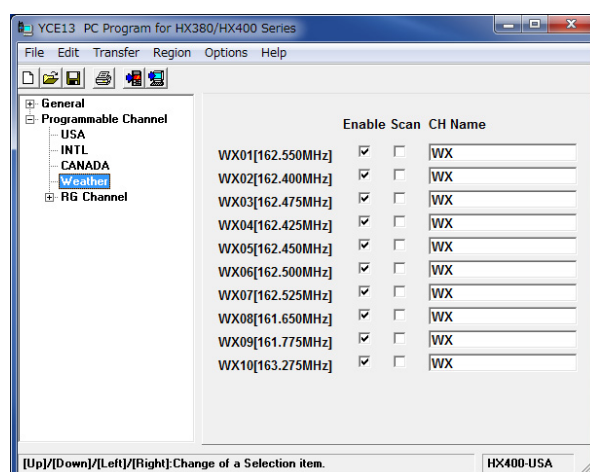
This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for Scanning.

CH Name: Alpha/Numeric “Tag”

This field allows entry of the 12-character Alpha/Numeric “Tag” used identify the WX channel.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag, then press the **[Enter]** key to save the programmed “Tag.”

The characters to be used include “0 ~ 9”, “A ~ Z”, and some characters.

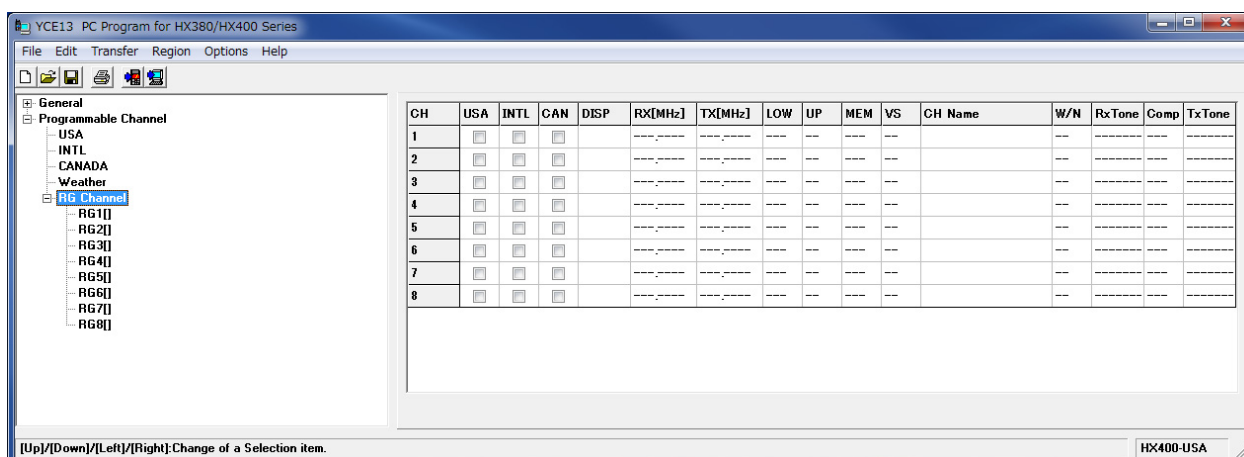


“Programmable Channel” Selection

“RG Channel” Folder

Double click the left mouse button on the “**Programmable Channel**” then double click the left mouse button on the “**RG Channel**” selection in the left window of the screen to display its sub-folders.

On the sub-folders in the left column, click the left mouse button on any channel to open its programming window, so you can program or modify the RG channel data on that channel.



Region Select:

Insert a checkmark in the box of the Region you want to use, and remove the checkmark from the box of the Region you do not use.

CH Display:

This field allows entry of the operating channel number for the LCD display.

Both boxes will accept two characters.

Acceptable characters are 0 - 9, A, b, C, d, E, F, G, H, I, J, (K), L, (M), n, o, P, q, r, S, t, U, and y.

Important Note: K and M character is use only for the first letter on the left box.

RX Frequency (RX [MHz]): Receive frequency

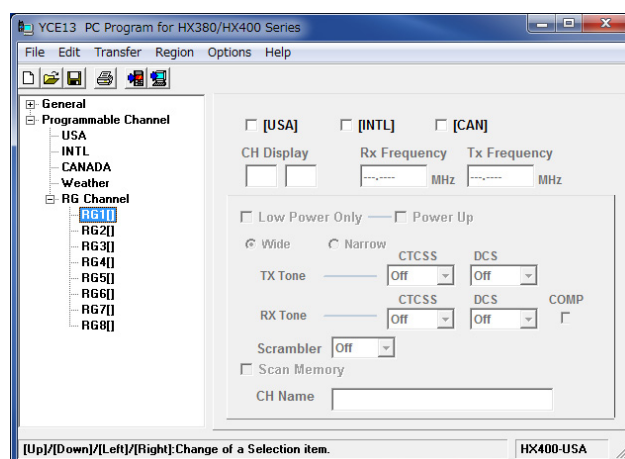
This parameter allows entry of the channel's receive frequency.

Available frequency range is 134.0000 MHz to 174.0000 MHz (5 kHz/12.5 kHz increments).

TX Frequency (TX [MHz]): Transmit frequency

This parameter allows entry of the channel's transmit frequency.

Available frequency range is 134.0000 MHz to 174.0000 MHz (5 kHz/12.5 kHz increments). This field will show “---.---” if transmission has not been enabled on the channel.



“Programmable Channel” Selection

Low Power Only (LOW): *Transmitter Power Output*

This parameter toggles the transmitter’s power output on this channel between HI (“☐”) or Low (“☒”).

Power-UP (UP): *Transmit Power Selection*

This parameter toggles whether transmit power selection capability by the user shall be Enabled (“☒”) or Disabled (“☐”). This parameter is ignored when the “**Low Power Only**” parameter is set to Hi (“☐”).

Wide/Narrow (W/N): *Transmit Deviation Level*

These parameters define the channel spacing environment between “Wide (25 kHz Channel Spacing, ± 5 kHz deviation)” and “Narrow (12.5 kHz Channel Spacing, ± 2.5 kHz deviation).”

TX Tone: *CTCSS/DCS Encoder*

This parameter defines the Tone Frequency/Code of the CTCSS/DCS Encoder.

RX Tone: *CTCSS/DCS Decoder*

This parameter defines the Tone Frequency/Code of the CTCSS/DCS Decoder.

COMP (Comp): *DCS Code Complement*

This parameter determines whether the DCS Code Complement shall be Enabled (“☒”) or Disabled (“☐”).

When this parameter is set to “**Enabled** (☒)”, the radio will be able to decode both “Normal” and “Inverted” DCS Codes.

Scrambler* (VS): *Voice Scrambler*

This parameter defines whether the Voice Scrambler shall be Enabled or Disabled, and selects its scramble code.

When this parameter is set to “**0**”, “**1**”, “**2**”, or “**3**”, the Voice Scrambler will activate with its scramble code. When this parameter is set to “**Off**”, the Voice Scrambler is disabled.

*: HX400 Series only.

Scan Memory: *Memory Channel Scan*

This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for scanning.

CH Name: *Alpha/Numeric “Tag”*

This field allows entry of the 12-character Alpha/Numeric “Tag” used to identify the channel.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag, then press the [Enter] key to save the programmed “Tag.”

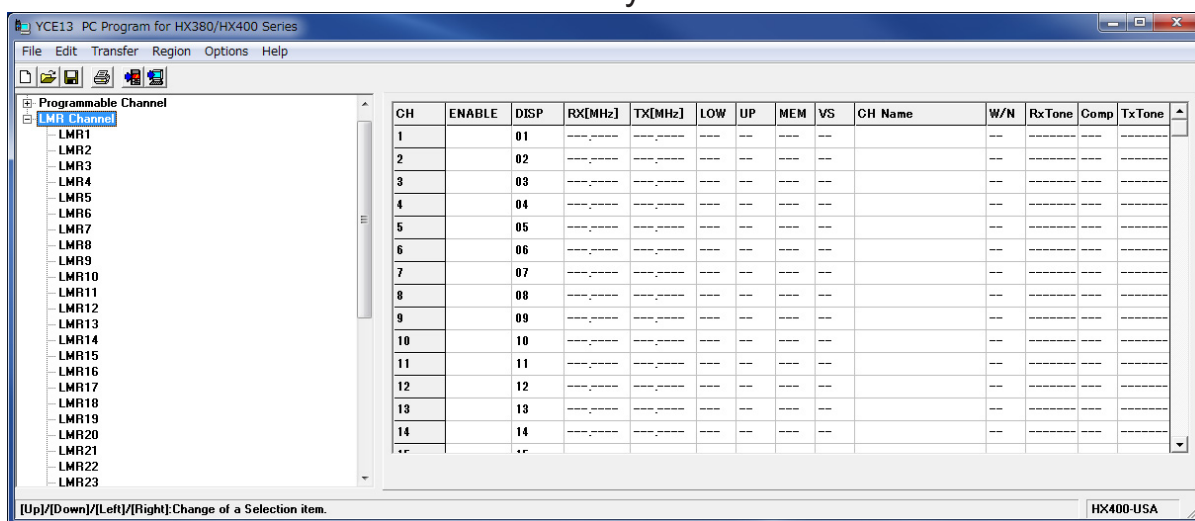
The characters to be used include “0 ~ 9”, “A ~ Z”, and some characters.

“Programmable Channel” Selection

“LMR Channel” and “EXP Channel” Folders

Important Note:

- 1) The channel data of the “LMR CH Window” is used for the Land Mobile Radio operation, and the channel data of the “EXP CH Window” is used for the Marine VHF Radio operation.
- (2) When you enter the channel data into the LMR channel slot, the EXP channel slot is automatically set to the same channel data. Or vice versa.
- (3) The LMR channel data and the EXP channel data is exclusive. For example, if you enable the LMR channel “1” on the LMR channel slot, the EXP channel “1” on the EXP channel slot is automatically set to disabled.



CH Enable (ENABLE): Enables/Disables the Channel

This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for operation.

CH Display : Channel Number

This field allows entry of the operating channel number for the LCD display.

Both boxes will accept two characters.

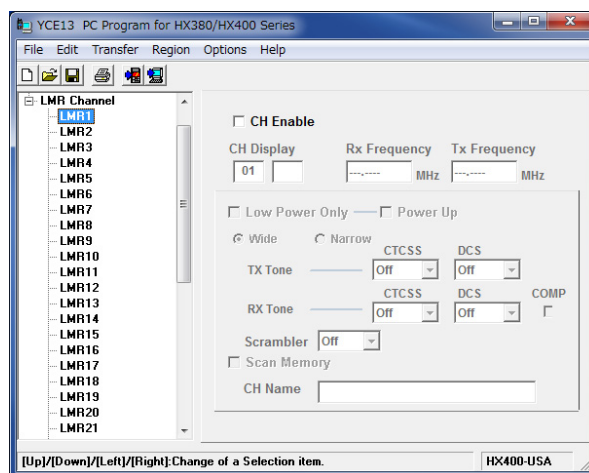
Acceptable characters are 0 - 9, A, b, C, d, E, F, G, H, I, J, (K), L, (M), n, o, P, q, r, S, t, U, and y.

Important Note: K and M character is use only for the first letter on the left box.

RX Frequency (RX [MHz]): Receive frequency

This parameter indicates the Receive frequency of the channel.

This field will show “---.---” when the channel has not been enabled for reception.



“Programmable Channel” Selection

TX Frequency (TX [MHz]): *Transmit frequency*

This parameter indicates the Transmit frequency of the channel.

This field will show “---.---” when the channel has not been enabled for transmission.

Low Power Only (LOW): *Transmitter Power Output*

This parameter indicates the transmitter’s power output. Default values are programmed into each channel, according to international standards.

Power Up (UP): *Transmit Power Selection*

This parameter indicates whether transmit power selection capability by the user shall be Enabled (“UP”) or Disabled (“--”).

Wide/Narrow: *Transmit Deviation Level*

These parameters define the channel spacing environment between “Wide (25 kHz Channel Spacing, ± 5 kHz deviation)” and “Narrow (12.5 kHz Channel Spacing, ± 2.5 kHz deviation).”

Important Note: After January 1, 2013, the “Wide” channel spacing cannot set to the LMR channel slot when the TX frequency set to between 150.0000 MHz to 174.0000 MHz.

TX Tone: *CTCSS/DCS Encoder*

This parameter defines the Tone Frequency/Code of the CTCSS/DCS Encoder.

RX Tone: *CTCSS/DCS Decoder*

This parameter defines the Tone Frequency/Code of the CTCSS/DCS Decoder.

COMP (Comp): *DCS Code Complement*

This parameter determines whether the DCS Code Complement shall be Enabled (“☒”) or Disabled (“☐”).

When this parameter is set to “Enabled (☒)”, the radio will be able to decode both “Normal” and “Inverted” DCS Codes.

Scrambler* (VS): *Voice Scrambler*

This parameter defines whether the Voice Scrambler shall be Enabled or Disabled, and selects its scramble code.

When this parameter is set to “0”, “1”, “2”, or “3”, the Voice Scrambler will activate with its scramble code. When this parameter is set to “Off”, the Voice Scrambler is disabled.

*: HX400 Series only.

Scan Memory: *Memory Channel Scan*

This parameter toggles whether the channel shall be Enabled (“☒”) or Disabled (“☐”) for Scanning.

“Programmable Channel” Selection

CH Name: Alpha/Numeric “Tag”

This field allows entry of the 12-character Alpha/Numeric “Tag” used to identify the channel.

To enter the Alpha/Numeric Tag, click the left mouse button on this parameter to enable programming, then type the characters of the desired Alpha/Numeric Tag, then press the **[Enter]** key to save the programmed “Tag.”

The characters to be used include “0 ~ 9”, “A ~ Z”, and some characters.

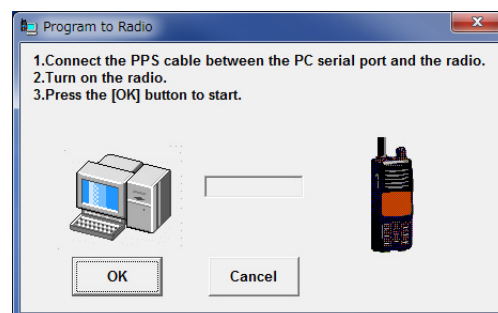
Transfer Menu

This menu performs the Downloading or Uploading information to/from a radio. To Download/Upload data to/from radio, make the proper connections between the computer and radio and turn on the radio before selecting the “**Transfer**” menu.

“Program to Radio”

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

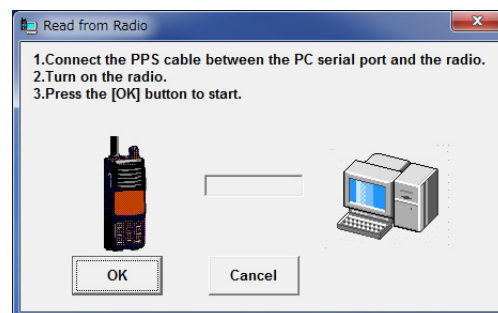
To do this: click the left mouse button on the “**Program to Radio**” (or the “” icon) to open the pop-up window, then click the left mouse button on the “**OK**” box to download the programming data to the radio.



“Read from Radio”

The “**Read from Radio**” uploads the programming data from the radio to the computer.

To do this: click the left mouse button on the “**Read from Radio**” (or the “” icon) to open the pop-up window, then click the left mouse button on the “**OK**” box to upload the programming data from the radio to the computer.



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 YCE13.

“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.

Important Note: After January 1, 2013, the **“Wide”** channel spacing cannot set to the LMR channel slot when the TX frequency set to between 150.0000 MHz to 174.0000 MHz.

“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 to File”

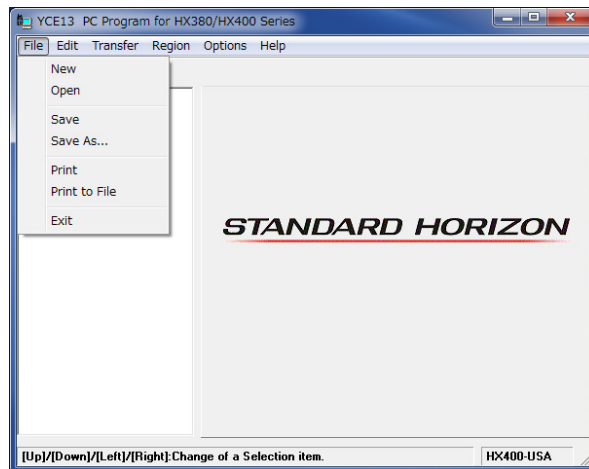
This selection opens a programming configuration to check or save the file.

Click the left mouse button on the **“Print to File”** parameter in the **“File”** menu, the **“Print to File”** window open to enable checking/saving the programming configuration.

“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.



Channel List (USA)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01A	156.050		Simplex	-	VTS
03A	156.150		Simplex	-	
05A	156.250		Simplex	-	VTS
06	156.300		Simplex	-	SAFETY
07A	156.350		Simplex	-	COMMERCIAL
08	156.400		Simplex	-	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	-	COMMERCIAL
11	156.550		Simplex	-	VTS
12	156.600		Simplex	-	VTS
13	156.650		Simplex	LOW	BRG TO BRG
14	156.700		Simplex	-	VTS
15	------	156.750	Simplex	-	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18A	156.900		Simplex	-	COMMERCIAL
19A	156.950		Simplex	-	COMMERCIAL
20	157.000	161.600	Duplex	-	PORT OPERATION
20A	157.000		Simplex	-	PORT OPERATION
21A	157.050		Simplex	-	CCG
22A	157.100		Simplex	-	USCG
23A	157.150		Simplex	-	USCG
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
61A	156.075		Simplex	-	CCG
63A	156.175		Simplex	-	VTS
64A	156.225		Simplex	-	COMMERCIAL
65A	156.275		Simplex	-	PORT OPERATION
66A	156.325		Simplex	-	PORT OPERATION
67	156.375		Simplex	LOW	BRG TO BRG
68	156.425		Simplex	-	SHIP-SHIP
69	156.475		Simplex	-	PLEASURE
70	------	156.525	Simplex	-	DSC
71	156.575		Simplex	-	PLEASURE
72	156.625		Simplex	-	SHIP-SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	PORT OPERATION
76	156.825		Simplex	LOW	PORT OPERATION
77	156.875		Simplex	LOW	PORT OPERATION
78A	156.925		Simplex	-	SHIP-SHIP
79A	156.975		Simplex	-	SHIP-SHIP
80A	157.025		Simplex	-	SHIP-SHIP
81A	157.075		Simplex	-	CCG
82A	157.125		Simplex	-	CCG
83A	157.175		Simplex	-	USCG
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	COMMERCIAL
88A	157.425		Simplex	-	COMMERCIAL

NOTE: Simplex channels, 03A, 21A, 23A, 61A, 64A, 81A, 82A and 83A CANNOT be lawfully used by the general public in U.S.A. waters.

International channels vs US Cannel table

US Channel	International Channel	US Channel	International Channel	US Channel	International Channel	US Channel	International Channel	US Channel	International Channel
01A	1001	19A	1019	61A	1061	78A	1078	83A	1083
03A	1003	20A	1020	63A	1063	79A	1079	88A	1088
05A	1005	21A	1021	64A	1064	80A	1080		
07A	1007	22A	1022	65A	1065	81A	1081		
18A	1018	23A	1023	66A	1066	82A	1082		

Channel List (Canada)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04A	156.200		Simplex	-	CCG
05A	156.250		Simplex	-	VTS
06	156.300		Simplex	-	SAFETY
07A	156.350		Simplex	-	COMMERCIAL
08	156.400		Simplex	-	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	-	COMMERCIAL
11	156.550		Simplex	-	VTS
12	156.600		Simplex	-	VTS
13	156.650		Simplex	LOW	BRG TO BRG
14	156.700		Simplex	-	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18A	156.900		Simplex	-	COMMERCIAL
19A	156.950		Simplex	-	COMMERCIAL
20	157.000	161.600	Duplex	LOW	PORT OPERATION
21A	157.050		Simplex	-	CCG
21B	---	161.650	Simplex	-	CMB SERVICE
22A	157.100		Simplex	-	USCG
23	157.150	161.750	Duplex	-	INTERNATIONAL
23B	---	161.750	Simplex	-	CMB SERVICE
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
25B	---	161.850	Simplex	-	CMB SERVICE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
28B	---	162.000	Simplex	-	CMB SERVICE
60	156.025	160.625	Duplex	-	TELEPHONE
61A	156.075		Simplex	-	CCG
62A	156.125		Simplex	-	CCG
63A	156.175		Simplex	-	SHIP TO SHIP
64	156.225	160.825	Duplex	-	TELEPHONE
64A	156.225		Simplex	-	COMMERCIAL
65A	156.275		Simplex	-	PORT OPERATION
66A	156.325		Simplex	-	PORT OPERATION
67	156.375		Simplex	LOW	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	---	156.525	Simplex	-	DSC
71	156.575		Simplex	-	PLEASURE
72	156.625		Simplex	-	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	PORT OPERATION
76	156.825		Simplex	LOW	PORT OPERATION
77	156.875		Simplex	LOW	PORT OPERATION
78A	156.925		Simplex	-	SHIP TO SHIP
79A	156.975		Simplex	-	SHIP TO SHIP
80A	157.025		Simplex	-	SHIP TO SHIP
81A	157.075		Simplex	-	CCG
82A	157.125		Simplex	-	CCG
83A	157.175		Simplex	-	CCG
83B	---	161.775	Simplex	-	CMB SERVICE
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION

NOTE: Simplex channels, 03A, 21A, 23A, 61A, 64A, 81A, 82A and 83A CANNOT be lawfully used by the general public in U.S.A. waters.

International channels vs Canadian Cannel table

Canadian Channel	International Channel	Canadian Channel	International Channel	Canadian Channel	International Channel	Canadian Channel	International Channel	Canadian Channel	International Channel
04A	1004	21A	1021	28B	2028	65A	1065	81A	1081
05A	1005	21B	2021	61A	1061	66A	1066	82A	1082
07A	1007	22A	1022	62A	1062	78A	1078	83A	1083
18A	1018	23B	2023	63A	1063	79A	1079	83B	2083
19A	1019	25B	2025	64A	1064	80A	1080		

Channel List (International)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04	156.200	160.800	Duplex	-	INTERNATIONAL
05	156.250	160.850	Duplex	-	INTERNATIONAL
06	156.300		Simplex	-	SAFETY
07	156.350	160.950	Duplex	-	INTERNATIONAL
08	156.400		Simplex	-	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	-	COMMERCIAL
11	156.550		Simplex	-	VTS
12	156.600		Simplex	-	VTS
13	156.650		Simplex	-	BRG TO BRG
14	156.700		Simplex	-	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18	156.900	161.500	Duplex	-	INTERNATIONAL
19	156.950	161.550	Duplex	-	INTERNATIONAL
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	-	PORT OPERATION
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	INTERNATIONAL
22	157.100	161.700	Duplex	-	INTERNATIONAL
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
60	156.025	160.625	Duplex	-	TELEPHONE
61	156.075	160.675	Duplex	-	INTERNATIONAL
62	156.125	160.725	Duplex	-	INTERNATIONAL
63	156.175	160.775	Duplex	-	INTERNATIONAL
64	156.225	160.825	Duplex	-	TELEPHONE
65	156.275	160.875	Duplex	-	INTERNATIONAL
66	156.325	160.925	Duplex	-	INTERNATIONAL
67	156.375		Simplex	-	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	--- ---	156.525	Simplex	-	DSC
71	156.575		Simplex	-	PLEASURE
72	156.625		Simplex	-	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	
76	156.825		Simplex	LOW	
77	156.875		Simplex	-	PORT OPERATION
78	156.925	161.525	Duplex	-	INTERNATIONAL
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	INTERNATIONAL
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	INTERNATIONAL
81	157.075	161.675	Duplex	-	INTERNATIONAL
82	157.125	161.725	Duplex	-	INTERNATIONAL
83	157.175	161.775	Duplex	-	INTERNATIONAL
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION

Channel List (UK)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04	156.200	160.800	Duplex	-	INTERNATIONAL
05	156.250	160.850	Duplex	-	INTERNATIONAL
06	156.300		Simplex	-	SAFETY
07	156.350	160.950	Duplex	-	INTERNATIONAL
08	156.400		Simplex	-	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	-	COMMERCIAL
11	156.550		Simplex	-	VTS
12	156.600		Simplex	-	VTS
13	156.650		Simplex	-	BRG TO BRG
14	156.700		Simplex	-	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18	156.900	161.500	Duplex	-	INTERNATIONAL
19	156.950	161.550	Duplex	-	INTERNATIONAL
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	-	PORT OPERATION
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	INTERNATIONAL
22	157.100	161.700	Duplex	-	INTERNATIONAL
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
60	156.025	160.625	Duplex	-	TELEPHONE
61	156.075	160.675	Duplex	-	INTERNATIONAL
62	156.125	160.725	Duplex	-	INTERNATIONAL
63	156.175	160.775	Duplex	-	INTERNATIONAL
64	156.225	160.825	Duplex	-	TELEPHONE
65	156.275	160.875	Duplex	-	INTERNATIONAL
66	156.325	160.925	Duplex	-	INTERNATIONAL
67	156.375		Simplex	-	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	--- ---	156.525	Simplex	-	DSC
71	156.575		Simplex	-	PLEASURE
72	156.625		Simplex	-	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	
76	156.825		Simplex	LOW	
77	156.875		Simplex	-	PORT OPERATION
78	156.925	161.525	Duplex	-	INTERNATIONAL
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	INTERNATIONAL
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	INTERNATIONAL
81	157.075	161.675	Duplex	-	INTERNATIONAL
82	157.125	161.725	Duplex	-	INTERNATIONAL
83	157.175	161.775	Duplex	-	INTERNATIONAL
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION
M	157.850		Simplex	-	YACHTING UK
M2	161.425		Simplex	-	YACHTING UK

Channel List (Belgium)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04	156.200	160.800	Duplex	-	INTERNATIONAL
05	156.250	160.850	Duplex	-	INTERNATIONAL
06	156.300		Simplex	LOW	SAFETY
07	156.350	160.950	Duplex	-	INTERNATIONAL
08	156.400		Simplex	LOW	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	LOW	COMMERCIAL
11	156.550		Simplex	LOW	VTS
12	156.600		Simplex	LOW	VTS
13	156.650		Simplex	LOW	BRG TO BRG
14	156.700		Simplex	LOW	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18	156.900	161.500	Duplex	-	INTERNATIONAL
19	156.950	161.550	Duplex	-	INTERNATIONAL
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	-	PORT OPERATION
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	INTERNATIONAL
22	157.100	161.700	Duplex	-	INTERNATIONAL
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
31	157.550	162.150	Duplex	LOW	NED JACHTHAV
60	156.025	160.625	Duplex	-	TELEPHONE
61	156.075	160.675	Duplex	-	INTERNATIONAL
62	156.125	160.725	Duplex	-	INTERNATIONAL
63	156.175	160.775	Duplex	-	INTERNATIONAL
64	156.225	160.825	Duplex	-	TELEPHONE
65	156.275	160.875	Duplex	-	INTERNATIONAL
66	156.325	160.925	Duplex	-	INTERNATIONAL
67	156.375		Simplex	-	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	---,---	156.525	Simplex	-	DSC
71	156.575		Simplex	LOW	PLEASURE
72	156.625		Simplex	LOW	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	
76	156.825		Simplex	LOW	
77	156.875		Simplex	-	PORT OPERATION
78	156.925	161.525	Duplex	-	INTERNATIONAL
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	INTERNATIONAL
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	INTERNATIONAL
81	157.075	161.675	Duplex	-	INTERNATIONAL
82	157.125	161.725	Duplex	-	INTERNATIONAL
83	157.175	161.775	Duplex	-	INTERNATIONAL
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION

Channel List (Netherlands)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04	156.200	160.800	Duplex	-	INTERNATIONAL
05	156.250	160.850	Duplex	-	INTERNATIONAL
06	156.300		Simplex	LOW	SAFETY
07	156.350	160.950	Duplex	-	INTERNATIONAL
08	156.400		Simplex	LOW	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	LOW	COMMERCIAL
11	156.550		Simplex	LOW	VTS
12	156.600		Simplex	LOW	VTS
13	156.650		Simplex	LOW	BRG TO BRG
14	156.700		Simplex	LOW	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18	156.900	161.500	Duplex	-	INTERNATIONAL
19	156.950	161.550	Duplex	-	INTERNATIONAL
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	-	PORT OPERATION
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	INTERNATIONAL
22	157.100	161.700	Duplex	-	INTERNATIONAL
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
31	157.550	162.150	Duplex	LOW	NED JACHTHAV
37	157.850		Simplex	LOW	YACHTING UK
60	156.025	160.625	Duplex	-	TELEPHONE
61	156.075	160.675	Duplex	-	INTERNATIONAL
62	156.125	160.725	Duplex	-	INTERNATIONAL
63	156.175	160.775	Duplex	-	INTERNATIONAL
64	156.225	160.825	Duplex	-	TELEPHONE
65	156.275	160.875	Duplex	-	INTERNATIONAL
66	156.325	160.925	Duplex	-	INTERNATIONAL
67	156.375		Simplex	-	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	---,---	156.525	Simplex	-	DSC
71	156.575		Simplex	LOW	PLEASURE
72	156.625		Simplex	LOW	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	
76	156.825		Simplex	LOW	
77	156.875		Simplex	-	PORT OPERATION
78	156.925	161.525	Duplex	-	INTERNATIONAL
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	INTERNATIONAL
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	INTERNATIONAL
81	157.075	161.675	Duplex	-	INTERNATIONAL
82	157.125	161.725	Duplex	-	INTERNATIONAL
83	157.175	161.775	Duplex	-	INTERNATIONAL
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION

Channel List (Sweden)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	TELEPHONE
02	156.100	160.700	Duplex	-	TELEPHONE
03	156.150	160.750	Duplex	-	TELEPHONE
04	156.200	160.800	Duplex	-	INTERNATIONAL
05	156.250	160.850	Duplex	-	INTERNATIONAL
06	156.300		Simplex	-	SAFETY
07	156.350	160.950	Duplex	-	INTERNATIONAL
08	156.400		Simplex	-	COMMERCIAL
09	156.450		Simplex	-	CALLING
10	156.500		Simplex	-	COMMERCIAL
11	156.550		Simplex	-	VTS
12	156.600		Simplex	-	VTS
13	156.650		Simplex	-	BRG TO BRG
14	156.700		Simplex	-	VTS
15	156.750		Simplex	LOW	COMMERCIAL
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	SAR
18	156.900	161.500	Duplex	-	INTERNATIONAL
19	156.950	161.550	Duplex	-	INTERNATIONAL
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	-	PORT OPERATION
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	INTERNATIONAL
22	157.100	161.700	Duplex	-	INTERNATIONAL
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
60	156.025	160.625	Duplex	-	TELEPHONE
61	156.075	160.675	Duplex	-	INTERNATIONAL
62	156.125	160.725	Duplex	-	INTERNATIONAL
63	156.175	160.775	Duplex	-	INTERNATIONAL
64	156.225	160.825	Duplex	-	TELEPHONE
65	156.275	160.875	Duplex	-	INTERNATIONAL
66	156.325	160.925	Duplex	-	INTERNATIONAL
67	156.375		Simplex	-	BRG TO BRG
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	--- ---	156.525	Simplex	-	DSC
71	156.575		Simplex	-	PLEASURE
72	156.625		Simplex	-	SHIP TO SHIP
73	156.675		Simplex	-	PORT OPERATION
74	156.725		Simplex	-	PORT OPERATION
75	156.775		Simplex	LOW	
76	156.825		Simplex	LOW	
77	156.875		Simplex	-	PORT OPERATION
78	156.925	161.525	Duplex	-	INTERNATIONAL
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	INTERNATIONAL
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	INTERNATIONAL
81	157.075	161.675	Duplex	-	INTERNATIONAL
82	157.125	161.725	Duplex	-	INTERNATIONAL
83	157.175	161.775	Duplex	-	INTERNATIONAL
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION
L1	155.500		Simplex	-	PLEASURE
L2	155.525		Simplex	-	PLEASURE
L3	155.650		Simplex	-	PLEASURE
F1	155.625		Simplex	-	FISHING
F2	155.775		Simplex	-	FISHING
F3	155.825		Simplex	-	FISHING

Channel List (Germany)

CH	TX	RX	Simplex/Duplex	LO PWR	CHANNEL NAME
01	156.050	160.650	Duplex	-	NAUTIK
02	156.100	160.700	Duplex	-	NAUTIK
03	156.150	160.750	Duplex	-	NAUTIK
04	156.200	160.800	Duplex	-	NAUTIK
05	156.250	160.850	Duplex	-	NAUTIK
06	156.300		Simplex	LOW	SHIP TO SHIP
07	156.350	160.950	Duplex	-	NAUTIK
08	156.400		Simplex	LOW	SHIP TO SHIP
09	156.450		Simplex	-	NAUTIK
10	156.500		Simplex	LOW	SHIP TO SHIP
11	156.550		Simplex	LOW	SHIP TO PORT
12	156.600		Simplex	LOW	SHIP TO PORT
13	156.650		Simplex	LOW	SHIP TO SHIP
14	156.700		Simplex	LOW	SHIP TO PORT
15	156.750		Simplex	LOW	ON-BOARD
16	156.800		Simplex	-	DISTRESS
17	156.850		Simplex	LOW	ON-BOARD
18	156.900	161.500	Duplex	-	NAUTIK
19	156.950	161.550	Duplex	-	NAUTIK
1019	156.950		Simplex	-	
2019	161.550		Simplex	-	
20	157.000	161.600	Duplex	LOW	NAUTIK
1020	157.000		Simplex	-	
2020	161.600		Simplex	-	
21	157.050	161.650	Duplex	-	NAUTIK
22	157.100	161.700	Duplex	-	NAUTIK
23	157.150	161.750	Duplex	-	INTERNATIONAL
24	157.200	161.800	Duplex	-	TELEPHONE
25	157.250	161.850	Duplex	-	TELEPHONE
26	157.300	161.900	Duplex	-	TELEPHONE
27	157.350	161.950	Duplex	-	TELEPHONE
28	157.400	162.000	Duplex	-	TELEPHONE
60	156.025	160.625	Duplex	-	NAUTIK
61	156.075	160.675	Duplex	-	NAUTIK
62	156.125	160.725	Duplex	-	NAUTIK
63	156.175	160.775	Duplex	-	NAUTIK
64	156.225	160.825	Duplex	-	NAUTIK
65	156.275	160.875	Duplex	-	NAUTIK
66	156.325	160.925	Duplex	-	NAUTIK
67	156.375		Simplex	-	NAUTIK
68	156.425		Simplex	-	SHIP TO SHIP
69	156.475		Simplex	-	PLEASURE
70	--- ---	156.525	Simplex	-	DSC
71	156.575		Simplex	LOW	SHIP TO PORT
72	156.625		Simplex	LOW	SHIP TO SHIP
73	156.675		Simplex	-	NAUTIK
74	156.725		Simplex	LOW	SHIP TO PORT
75	156.775		Simplex	LOW	SHIP TO PORT
76	156.825		Simplex	LOW	NAUTIK
77	156.875		Simplex	LOW	SHIP TO SHIP
78	156.925	161.525	Duplex	-	NAUTIK
1078	156.925		Simplex	-	
2078	161.525		Simplex	-	
79	156.975	161.575	Duplex	-	NAUTIK
1079	156.975		Simplex	-	
2079	161.575		Simplex	-	
80	157.025	161.625	Duplex	-	NAUTIK
81	157.075	161.675	Duplex	-	NAUTIK
82	157.125	161.725	Duplex	-	TELEPHONE
83	157.175	161.775	Duplex	-	TELEPHONE
84	157.225	161.825	Duplex	-	TELEPHONE
85	157.275	161.875	Duplex	-	TELEPHONE
86	157.325	161.925	Duplex	-	TELEPHONE
87	157.375		Simplex	-	PORT OPERATION
88	157.425		Simplex	-	PORT OPERATION

Channel List (U.S. Weather)

CH	FREQUENCY (MHz)	ENABLE/DISABLE	CHANNEL NAME
WX01	162.550	Enable	WX
WX02	162.400	Enable	WX
WX03	162.475	Enable	WX
WX04	162.425	Enable	WX
WX05	162.450	Enable	WX
WX06	162.500	Enable	WX
WX07	162.525	Enable	WX
WX08	161.650	Enable	WX
WX09	161.775	Enable	WX
WX10	163.275	Enable	WX

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