Uniden

POLARIS

VHF MARINE RADIO WITH
DIGITAL SELECTIVE CALLING (DSC)

owner's manual

Maritime Radio Services Operation

Warning!

This transmitter will operate on channels/frequencies that have restricted use in the United States. The channel assignments include frequencies assigned for exclusive use of the U.S. Coast Guard, use in Canada, and use in international waters. Operation in these frequencies without proper authorization is strictly forbidden. For frequencies/channels that are currently for use in the U.S. without an individual license, please contact the FCC Call Center at 1-888-CALL-FCC.

For individuals requiring a license, such as commercial users, you should obtain a license application from your nearest FCC field office.

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Uniden POLARIS

The **Uniden POLARIS** VHF marine radio transceiver has been designed to give you a rugged, reliable instrument that will provide you with years of trouble-free service.

With proper care and maintenance, your **Uniden POLARIS** could outlast your present vessel and serve you well on-board. The full features and flexibility designed into this quality transceiver will prevent it from becoming obsolete regardless of changes in craft or geographic locations.

The technical excellence of the **Uniden POLARIS** is demonstrated by the multiplicity of uses for which it has been found acceptable by the U.S. Federal Communications Commission. The **Uniden POLARIS** is acceptable for compulsory use on "party boats," for use on vessels subject to the Great Lakes Radio Agreement or bridge-to-bridge requirements, for general pleasure and commercial vessels, and certain land stations in marine service.

The **Uniden POLARIS** is of all solid-state design with conservatively rated, rugged components and materials compatible with the marine environment. The transceiver utilizes a number of gaskets, sealing rings, waterproof membranes, and other sealants to effect a waterproof housing for protection of the electronics. The unit may be mounted in any number of convenient locations on your vessel by utilizing the universal mounting bracket.

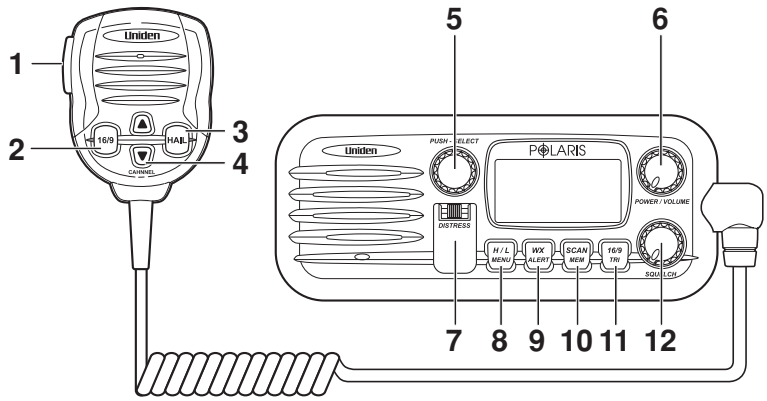
You are encouraged to thoroughly read the rest of this Operating Guide to acquaint yourself with the characteristics and operation of your transceiver so that you can contribute to the longevity of your investment.

Keep your receipt as proof-of-purchase in case warranty service is required.

Features, specifications, and availability of optional accessories are all subject to change without notice.

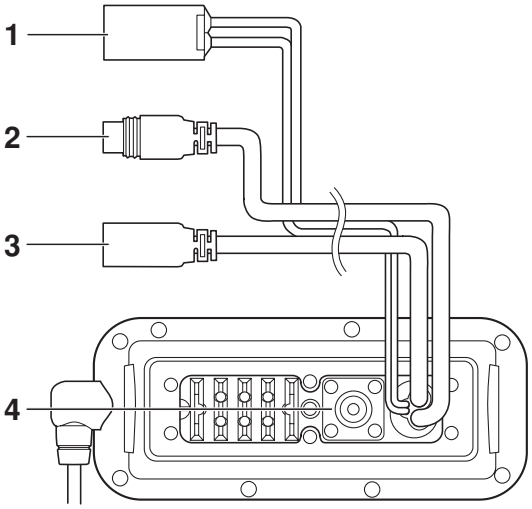
Controls and Indicators

Front panel/Microphone

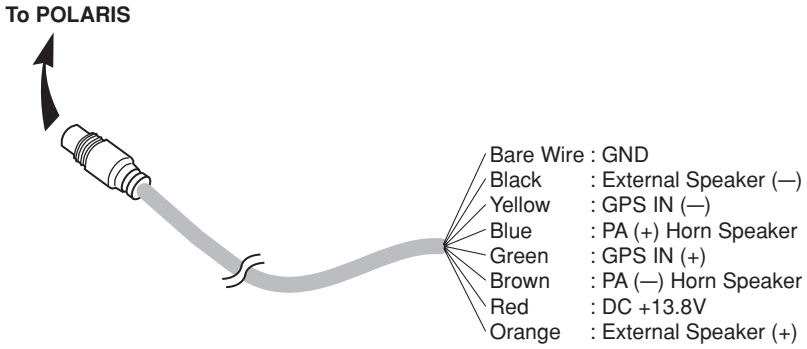


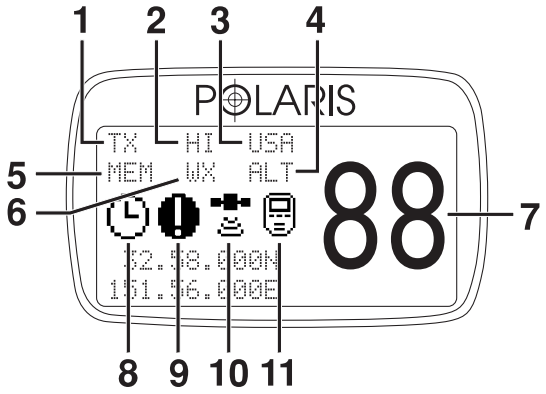
1. ***PTT Switch*** - Press to transmit and release to receive.
2. ***16/9*** - Change Channel 16 and Channel 9.
3. ***HAIL*** - Use as a public address system.
4. ***CHANNEL*** - Change channel number up/down. These buttons are used to adjust the volume for Hail.
5. ***PUSH/SELECT*** - This is used to manually select the desired Communication Channel (01-28 and 60-88), or Weather Channel (0-9). In the MENU mode this is used to select the menu options. It also changes to GPS mode. It is used to adjust the volume for HAIL.
6. ***POWER/VOLUME*** (On/Off/Volume) - Turns the unit On or Off and adjust the audio output.
7. ***DISTRESS*** - Send a signal of distress in case of emergency.
8. ***H/L/MENU -*** Change output power Hi/Lo and select Menu mode. Press this key to change output power High and Low. Press and hold the key for 2 seconds to enter the MENU mode.
9. ***WX/ALERT -*** Select weather channel and weather alert mode. Press this key to listen the active NOAA weather channels.
   Press and hold the key for 2 seconds to place the radio into the weather alert mode.
10. ***SCAN/MEM -*** Select Scan mode and setup memory channel.
    Press this key to activate scan operation. Press and hold the key for 2 seconds to select memory channel or cancel memory channel.
11. ***16/9/TRI -*** Access channel 16/9, and setup Triple Watch function On/Off.
    Press this key to access instant channel 16 and channel 9 communications.
    Press and hold the key for 2 seconds to turn Triple Watch On/Off.
12. ***SQUELCH -*** Eliminate background noise when no signal is received.

Rear Panel Connectors



1. DC Jack
2. ACC Connector
3. Remote Connector
4. Antenna Connector





1. ***TX*** (Transmit) - Indicates transmitting.
   TRI (Triple Watch) - Indicates Triple Watch Mode is in effect.
2. ***HI (High) -*** Indicates transmitted output is 25 Watts.
   LO (Low) - Indicates transmitted output is 1 Watts.
3. ***USA -*** Indicates US Channel Mode.
   CAN - Indicates Canada Channel Mode.
   INT - Indicates International Channel Mode.
4. ***ALT -*** Indicates Weather Alert Mode has been activated.
5. ***MEM (Memory) -*** Indicates Memory Scan Mode status for each channel selected.
6. ***WX -*** Indicate Weather Channel Mode has been activated.
7. ***Channel Display -*** Indicates Channel Number in use.
8. ***(Alarm mark) - It appears when the alarm is set.***
9. ***(Exclamation mark) - It appears when it receives WX Alert.***
10. ***(GPS mark) - It appears while GPS module is receiving the data.***
11. ***(WHAM mark) - It appears when it is connected to the base of WHAM.***

Installation

***Caution**: The **POLARIS** will only operate with nominal **12 volt** negative ground battery system.*

It is important to carefully determine the most suitable location for your **POLARIS** on your vessel. Electrical, mechanical, and environmental considerations must all be taken into account. You should select the optimum relationship among these considerations.

Keep in mind the flexibility designed into the **POLARIS** so that you can most conveniently use your radio. Features which should be considered are:

1. The universal mounting bracket may be installed on either the top or bottom of a shelf, on a bulkhead, or for overhead mounting.
2. The REMOTE speaker jack can be used with an auxiliary speaker.
3. All connections are "plug-in" type for easy removal of the radio.
4. Front fire internal speaker allows convenient in-dash mounting using the optional bracket.

Choosing a Location

Some important factors to consider in selecting the location for your **POLARIS**.

1. Select a location that is free from spray and splash.
2. Keep the battery leads as short as possible. Direct connection to the battery is most desirable. If direct connection can not be made with the supplied power lead, any extension should be made with #10 AWG wire. Long extensions should use larger gauge wire.
3. Keep the antenna lead as short as possible. Long antenna leads can cause substantial loss of performance for both receiving and transmitting.
4. Locate your antenna as high as possible and clear from metal objects. The reliable range of coverage is a direct function of the antenna height.
5. Select a location that does not allow the radio to be subjected to direct sunlight (including that coming through windows).
6. Select a location that allows free air flow around the heat sink on the rear of the radio.
7. Select a location well away from the ship's compass. Auxiliary speakers also should be located away from the compass.

Engine Noise Suppression

Interference from the noise generated by the electrical systems of engines is sometimes a problem with radios. The **POLARIS** has been designed to be essentially impervious to ignition noise and alternator noise. However, in some installations it may be necessary to take measures to further reduce the effect of noise interference. All DC battery wires, antenna lead, and accessory cables should be routed away from the engine and engine compartment, and from power cabling carrying high currents.

In severe cases of noise interference, it may be necessary to install a noise suppression kit. Contact your Uniden Dealer for more information.

Antenna Considerations

A variety of antennas are available from a number of quality suppliers. It is recommended you draw upon the advice of your Uniden dealer in determining a suitable antenna for your vessel and range requirements.

In general, communication range is increased by using a high-gain antenna placed as high as possible above the water line. Antennas should be located away from metal objects. Antennas should not have excessively long coaxial feed cables.

Antenna Selection and Installation

Your Uniden Polaris radio has been designed to accomodate all of the popular marine VHF antennas. However, the selection and the installation of the antenna is the responsibility of the user or installer.

The FCC has determined that excessive radiation poses a health risk to people near radio transmitting antennas. Therefore, the antenna used with this radio should be installed using the following guidelines to insure a suitable distance between the antenna and persons close by.

Small whip antennas (3 dB) or smaller should be installed keeping at least three feet separation distance between the radiating element and people.

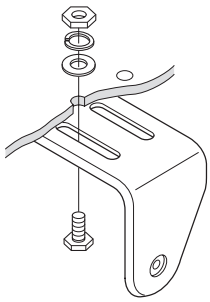
Larger antennas (6 dB or 9 dB) should be installed keeping at least a six foot separation distance.

No person should touch the antenna or come into the separation distance when the radio is transmitting.

Installing the POLARIS

After you have carefully considered the various factors affecting your choice of location, position the radio (with the bracket, microphone, power cord, antenna and any auxiliary cables installed) into the selected location to assure there is no interference with the surrounding items. Mark the location of the mounting bracket. Remove the bracket from the radio and use it as a template to mark the holes to be drilled for the mounting hardware. Drill the holes and mount the bracket with hardware compatible with the material of the mounting surface.

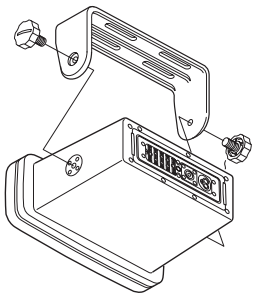
***Note**: This HEXAGON HEAD BOLT is only for mounting the bracket with hardware. Do not use it for installing the radio in the mounting bracket.*



Connect the red wire of the supplied power cord to the positive (+) battery supply. Connect the black wire of the power cord to ground. The power cord is equipped with a fuse to protect the radio. Use only a six (6) ampere fast blow fuse for replacement. Connect the power cord to the keyed connector on the power "pigtail".

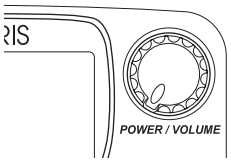
Connect the antenna and all other auxiliary cables and accessories. Install the radio in the mounting bracket and connect all cables and accessories to the appropriate jacks and connectors.

***Note**: Do not use any other mounting knobs than the ones enclosed. Do not insert the knobs without attaching the bracket.*



Operation

POWER ON/OFF



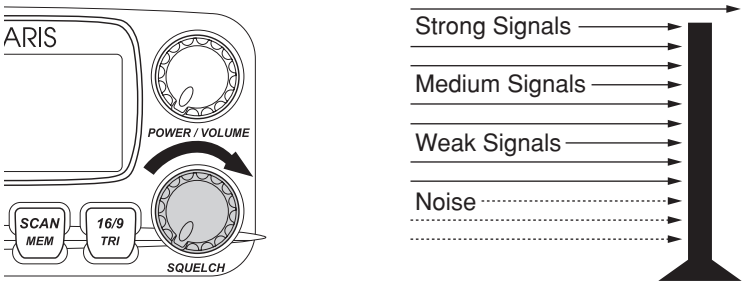
1. Turn the unit on by rotating the ***POWER/VOLUME*** control clockwise. Adjust the volume to a comfortable level.

When you turn the unit On, you will hear a beep and the greeting message below appears on the LCD for 2 seconds.

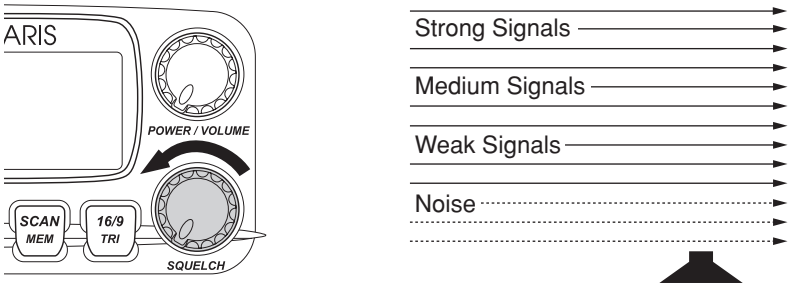
Note: *Polaris meets the JIS7 require ments.*

SQUELCH

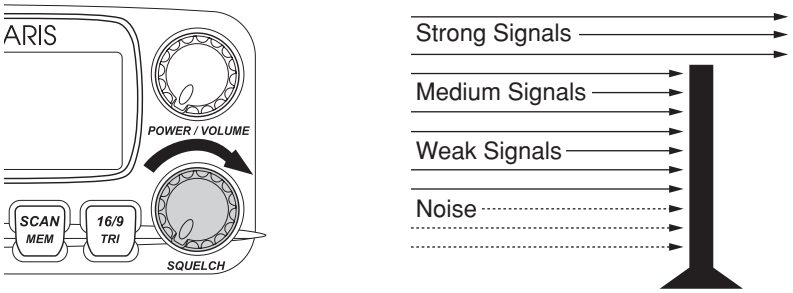
Think of squelch as a gate. turn ***SQUELCH*** fully clockwise. this raises the “Squelch Gate” so high that only very strong signals can get through.



Turn ***SQUELCH*** fully counterclockwise until you hear a hiss. This lowers the “Squelch Gate” so that everything gets through - noise, weak signals, and strong signals.



Turn ***SQUELCH*** back clockwise until the hiss stops. Now the “Squelch Gate” allows only strong signals through.



TRIPLE WATCH

Triple Watch monitors Channel 16, Channel 9, and current MRN Channel for activity every two seconds while scanning or monitoring.

To activate Triple Watch, press ***16/9/TRI*** for 2 seconds. TRI appears on the LCD panel, indicating Triple Watch mode is in effect. If a signal is received on either Channel 16 or Channel 9, the radio remains on that channel unit the signal ends.

Press and hold ***16/9/TRI*** for 2 seconds to cancel the Triple Watch Mode.

Note: *While in Triple Watch mode, you can change the currently selected channel using the* ***PUSH – SELECT0*** *knob. A momentary press of the 16/9/TRI button interrupts Triple Watch mode and remains on 16, or on channel 9 if you press once more. To return to the previous mode, simply press the button again.*

MANUAL TUNING

To manually select a channel, rotate ***PUSH – SELECT*** clockwise to increase the number or counterclockwise to decrease the number and select the desired channel. Communication channels are located on channel 01-28 and 60-88. Weather channels are located on channels 0-9.

INSTANT CHANNEL 16/CHANNEL 9 COMMUNICATIONS

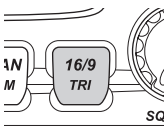
To access instant Channel 16 or Channel 9 communications, press ***16/9/TRI***. This overrides the channel selected. The LCD display indicates the unit is on Channel 16. Press ***16/9/TRI*** again to access Channel 9 communications. Press and release ***16/9/TRI*** a third time to return to the channel selected prior to accessing instant Channel 16/Channel 9 commnunications. The display will indicate the selected channel.

To cancel Channel 16/Channel 9 communications:

- Press ***16/9/TRI*** until the previous channel setting appears.

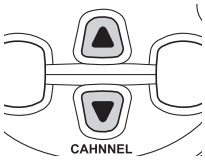
  --or--

- Press ***WX/ALERT***.



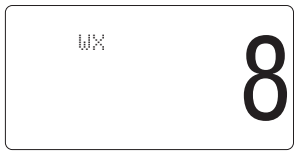
WEATHER SCAN

To select Weather Channels 0-9, press ***WX/ALERT***. The radio will go to the last selected weather channel. Press ***Up*** and ***Down*** on the microphone to select a different weather channel. It also can be changed by the ***PUSH – SELECT*** knob on the base.



To exit from weather channel:

- Press ***WX/ALERT***. The radio returns to the previous MRN channel.



MEM (Entering channel numbers into Memory Scan)

You can enter channels into Memory Scan for instant scanning at any time. When a channel is selected for Memory Scan, MEM indicator will appear on the LCD display.

To enter a channel into Memory Scan, select the channel you want to store by rotating the ***PUSH – SELECT*** knob, and then press ***SCAN/MEM*** for 2 seconds the channel is stored in memory scan and MEM appears on the LCD display.

Press and hold ***SCAN/MEM*** for 2 seconds and the MEM icon disappears.

NOTE:

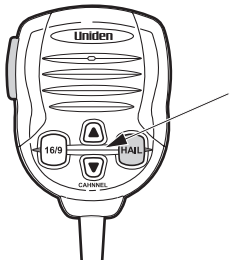
The memory channel can be set independently in 3 regional mode (USA, INT, and CAN). You cannot use this feature in WX mode or CH 70. You can select On/Off of memory channels even although you are in the scan mode, Triple watch scan mode and Triple watch mode.

Memory Scan:

To scan channels stored in Memory Scan, press ***SCAN/MEM***. In the Memory Scan Mode, the **POLARIS** scans channel numbers previously entered into Memory Scan. If a channel has not been entered into Memory Scan, an error tone sounds and the LCD does not change.

Hail:

To access the Hail Mode, press ***HAIL*** on the microphone. The HA icon appears in the display. Press the ***PTT*** switch on the microphone, hold the microphone approximately two inches away from your mouth, and speak clearly in a normal voice. To cancel Hail mode, press ***HAIL*** on the microphone.



Hail Volume Adjust:

While you are in the HAIL, you can adjust the volume pressing ▲/▼ keys on the microphone, or rotating the ***PUSH – SELECT*** knob on the **POLARIS**.

Weather Alert:

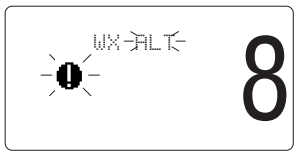
The Weather Alert Mode can be activated to alert you of dangerous weather. When Weather Alert is turned On, and a warning signal is received, an Emergency siren will sound at full volume, regardless of the volume setting. When the signal stops, you will hear the active weather channel broadcast at the normal volume.

The ALT icon indicates the Weather Alert Mode is activated. To activate the Weather Alert Mode:

1. Press ***WX/ALERT*** for 2 seconds if WX/ALERT is Off, it is changed to WX/ALERT On and the ALT icon appears.

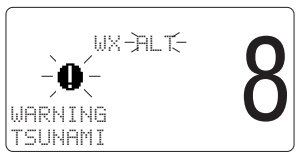
2. If the radio receives a 1050Hz tone, the ❗ (Exclamation mark) and the ALT icon will blink every other second.

   In the area where S.A.M.E. is broadcasted, the following figures are displayed.



3. When a WX ALERT signal is received at the time WX ALERT is on by scan mode, Triple watch, PRI 16CH mode and PRI 9CH mode are canceled.

   When a S.A.M.E. signal is received during transmission, decoding does not carry out.
   In order to stop the alarm press any key. You can press and hold ***WX/ALERT*** to cancel the ***WX/ALERT*** mode.



TRANSMITTING

The **POLARIS** transmits on fifty-seven marine frequencies and receives on eighty marine frequencies. Channel 70 of both the USA and International frequencies, and channel 15, of the USA frequencies – are for receiving only. The POLARIS transmit on 70 when sending DSC information. Your radio will not transmit on these channels. For your reference, a listing of all the available marine channels are located on the back foldout.

SETTING TX OUTPUT

Caution: *It is important to remember use the LO position in port or for short range communications.*

1. When you turn the **POLARIS** On, the unit is automatically set to transmit at 25 watts (HI).

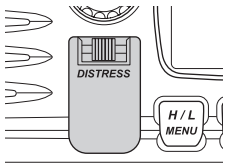
2. Press ***H/L/MENU***, to change the transmitter output to 1 watt (LO).

3. Press ***H/L/MENU*** again, to change back to 25 watts (HI).

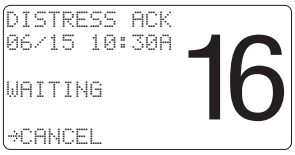
Note: *Each time the **H/L/MENU** is pressed a short tone sounds. CH13 is set as 1 watt (LO) channel; however, you can override by pressing **H/L/MENU** during the call.*

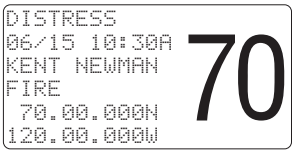
DISTRESS

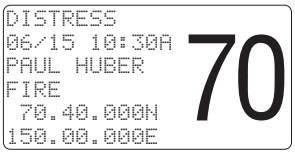
This feature will allow the user to transmit a distress call. In order to transmit a distress call, push ***DISTRESS*** for 3 seconds. After the Distress call has been sent, the Distress alarm will sound. Distress call is transmitted and it waits for about 180 - 270 seconds. This is continued eternally. The transceiver "shadow-watches" for a transmission between CH16 and CH70 until an acknowledgment signal is received.
To cancel the Distress call, press the ***PUSH – SELECT*** knob.



When the **POLARIS** receives a Distress call, the following screen appears. If no acknowledgment is received, the distress call is repeated until an acknowledgment is received.







Note: *If* **POLARIS** *receives a distress call, it will be displayed on the LCD display. An emergency alarm will sound. The name will be displayed if it is the name registered into the directory. Otherwise, MMSI is displayed. Latitude and Longitude information will also be displayed if the GPS module is carried in the ship that transmitted DSC.*

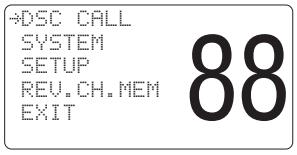
Menu Operation

1. DIGITAL SELECTIVE CALLING (DSC)

Digital Selective Calling is a process of establishing a radio call, it has been chosen by the International Maritime Organization (IMO) as an international standard for establishing VHF, MF and HF radio calls. Digital Selective Calling has also been selected as part of the Global Maritime Distress and Safety System (GMDSS).

This service will let you instantly send a distress call with GPS position (when optional GPS receiver is connected to the transceiver) to the US Coast Guard and other vessels within range of the transmission. DSC will also let you initiate or receive distress, urgency, safety, position information and routine calls to or from another vessel outfitted with a DSC transceiver.

1. Press and hold the ***Menu*** key for 2 seconds when it is in the Channel display mode, and the following screen appears.

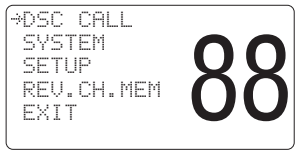


2. Press the ***PUSH – SELECT*** knob to select DSC CALL.

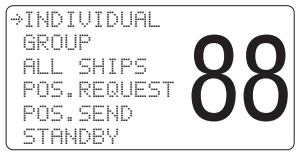
1-A. INDIVIDUAL

1. Press and hold ***Menu*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at DSC CALL, the DSC CALL menu will appear.

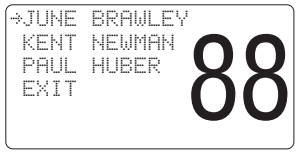


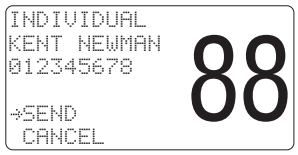
3. Rotate the ***PUSH – SELECT*** knob to select INDIVIDUAL.



Note: *The user needs to select a open (unused) working channel first, then make the call. After the acknowledgment, both radio tune to the previously selected channel.*

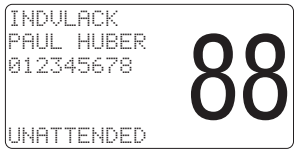
4. Press the ***PUSH – SELECT*** knob, and the individual directory will appear.
5. Rotate the ***PUSH – SELECT*** knob to select the individual you want to contact.
6. Press the ***PUSH – SELECT*** knob to transmit the individual DSC signal.





7. When you receive the individual ACK successfully, the following screen appears.

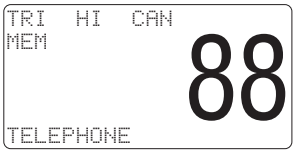
8. When the calling vessel has already set “STANDBY”, the following screen appears.



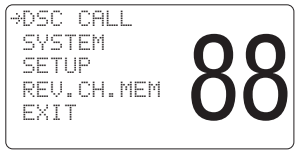
Note: *If there is not any data registrated in the directory, you cannot proceed to the next step.*
The user needs to select a open (unused) working channel first, then make the call. After the acknowledgment, both radio tune to the previously selected channel.

1-B. GROUP

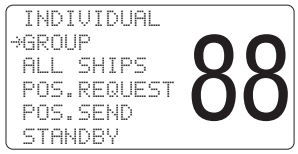
1. Press and hold ***MENU*** for 2 seconds.



2. Press the ***PUSH – SELECT*** knob at DSC CALL, the DSC CALL menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select GROUP.



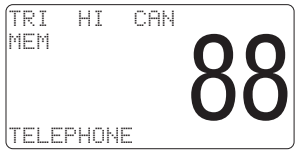
4. Press the ***PUSH – SELECT*** knob, and the MMSI code appears, you can now call the group member. Press the ***PUSH – SELECT*** knob.

5. If an acknowledgment is received, COMPLETED and GROUP ACK appears.

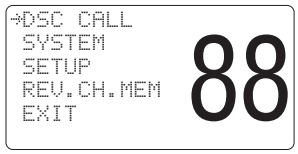
Note: *The user needs to select a open (unused) working channel first, then make the call. After the acknowledgment, both radio tune to the previously selected channel.*

1-C. ALL SHIPS

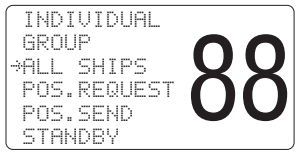
1. Press and hold ***MENU*** for 2 seconds.



2. Press the ***PUSH – SELECT*** knob at DSC CALL, the DSC CALL menu will appear.

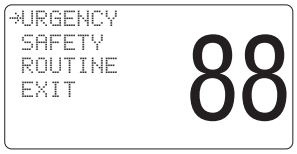


3. Rotate the ***PUSH – SELECT*** knob to select ALL SHIPS.



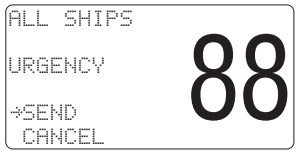
4. Press the ***PUSH – SELECT*** knob, and the **ALL SHIPS** directory appears.

5. Rotate the ***PUSH – SELECT*** knob to select the nature of your call (URGENCY, SAFETY, ROUTINE).

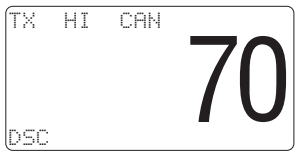


Note: ROUINE *calls tune to the previously selected channel.*

6. Press the ***PUSH – SELECT*** knob to transmit the ALL SHIPS DSC signal.



7. When sending either an URGENCY or SAFETY message, both radios will automatically move to channel 70 until all of the data is received.



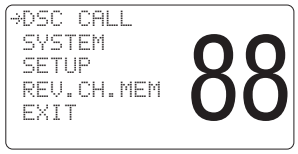
8. After selecting URGENCY or SAFETY **All SHIPS** call is transmitted, the transceiver will switch to Channel 16. The user should wait a few minutes before transmitting the ALL SHIPS Call information.

1-D. POS.REQUEST

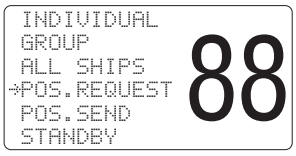
This radio has the ability to request the position of a ship and it is registered into the DIRECTORY.

1. Press and hold ***MENU*** for 2 seconds.

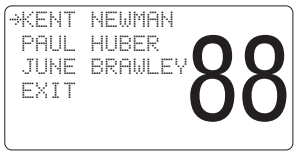
2. Press the ***PUSH – SELECT*** knob at DSC CALL, the DSC CALL menu appears.



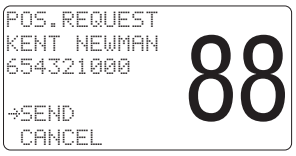
3. Rotate the ***PUSH – SELECT*** knob to select POS.REQUEST.



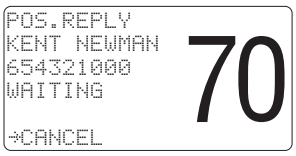
4. Press the ***PUSH – SELECT*** knob, and the individual directory appears.
5. Rotate the ***PUSH – SELECT*** knob to select the name to request the individual's position.



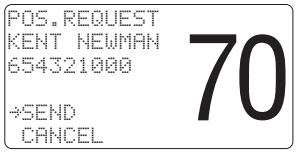
6. Press the ***PUSH – SELECT*** knob, following screen appears. Confirm if the name and address is correct. Press the ***PUSH – SELECT*** knob to select SEND.



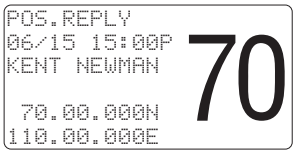
7. If the **POLARIS** did not detect the acknowledgment, press the ***PUSH – SELECT*** knob at SEND again in 10 seconds.



8. If the **POLARIS** had not detected the acknowledgment again, the following screen appears.



9. When the called radio sends the position info the following screen appears.

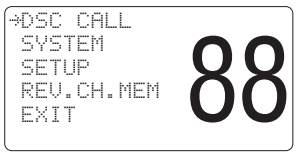


1-E. STANDBY

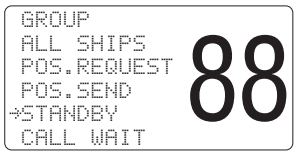
The DSC STANDBY function allows the transceiver to answer DSC calls with the UNATTENDED message and record the calls for response at another time. When you set the **POLARIS** to DSC STANDBY mode, voice traffic may still be active on any chosen channel.

1. Press and hold ***MENU*** for 2 seconds.

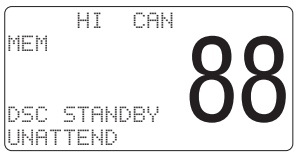
2. Press the ***PUSH – SELECT*** knob at DSC CALL, the DSC CALL menu appears.



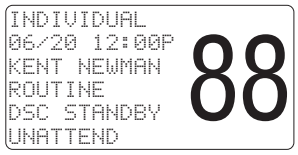
3. Rotate the ***PUSH – SELECT*** knob to select STANDBY.



4. Press the ***PUSH – SELECT*** knob, and the STANDBY directory appears.



5. When an individual DSC call is received, the radio will respond with the UNATTENDED message when an operator cannot answer the call. The DSC call will be recorded into the radio's Call Waiting directory.



Note: *If you press a key on the radio or the PTT key, this feature will be canceled.*

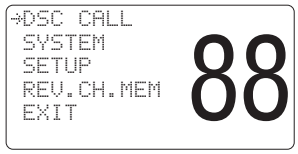
1-F. CALLWAIT

The DSC Call Waiting directory records 10 received distress calls, and records 20 individual calls that are received and not answered within 5 minutes or while the radio is set to DSC Standby. Calls will be recorded while you are busy with other communications as long as the transmitter is not keyed at the time of the call. If the call is answered within 5 minutes the call will not be recorded. When a call is recorded, a message will appear.

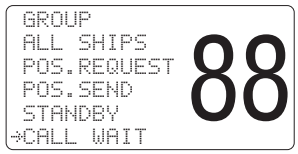
Note: *When a DISTRES CALL is received, this call will be recorded on the Distress Call Waiting directory. The DSC Distress in must hold the received Distress calls for 23 1/2 hours. These calls may be deleted by the user.*

1. Press and hold ***MENU*** for 2 seconds.

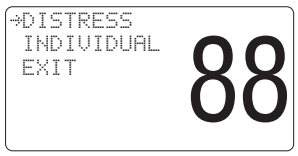
2. Press the ***PUSH – SELECT*** at DSC CALL, the DSC CALL menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select CALL WAIT.

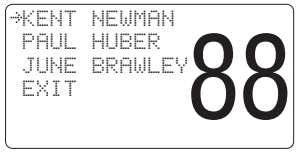


4. Press the ***PUSH – SELECT*** knob, and the CALL WAIT directory will appear.
5. Rotate the ***PUSH – SELECT*** knob to select the options you want to log.

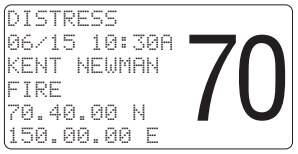


Note: *If a call has not been logged, the* **POLARIS** *will beep and you will not be able to proceed to the next step.*

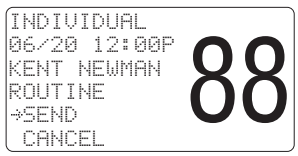
6. Press the ***PUSH – SELECT*** knob.
7. Rotate the ***PUSH – SELECT*** knob to get further information about the call received.
8. Press the ***PUSH – SELECT*** knob.



9. If a DISTRESS call is received in Call Wait, the following display appears.



10. If an INDIVIDUAL call is received in Call Wait, the following display appears.



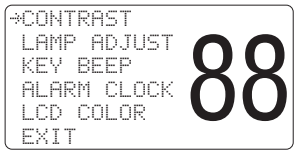
2. SYSTEM

2-A. CONTRAST

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SYSTEM, the SYSTEM menu will appear.

3. Rotate the ***PUSH – SELECT*** knob to select CONTRAST.



4. Press the ***PUSH – SELECT*** knob, and the following screen appears.
5. Rotate the ***PUSH – SELECT*** knob counterclockwise to increase the background brightness level. (Default is set at 6).

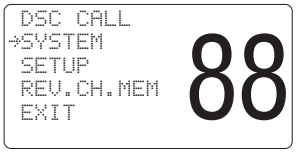
Note: *There are 9 contrast levels.*

6. When you find the most favorable brightness, press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the channel display screen.

2-B. LAMP ADJUST

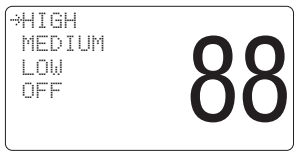
1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SYSTEM, the SYSTEM menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select LAMP ADJUST.
4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.

5. Rotate the ***PUSH – SELECT*** knob to select the backlight brightness level. (Default is set to medium).

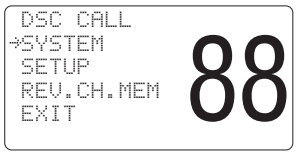


6. When you find the most favorable brightness, press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the channel display screen.

2-C. KEY BEEP

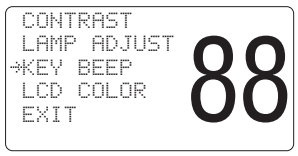
1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SYSTEM, the SYSTEM menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select KEY BEEP.

4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.



5. Rotate the ***PUSH – SELECT*** knob clockwise to increase the volume, or counterclockwise to decrease the volume.

6. When you find the most favorable volume, press the ***PUSH – SELECT*** knob and the POLARIS returns to the channel display screen.

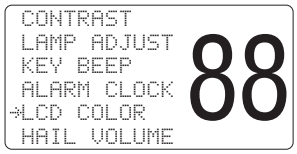
Note: *There are 9 volume levels.*

2-D. LCD COLOR

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SYSTEM, the SYSTEM menu will appear.

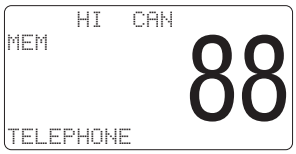
3. Rotate the ***PUSH – SELECT*** knob to select LCD COLOR.



4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.

5. Rotate the ***PUSH – SELECT*** knob to select the color (green or red). (Default is set as green).

6. When you find the most favorable color, press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the channel display screen.



Note: *Only changes the display. The keys will stay green.*

3. SETUP

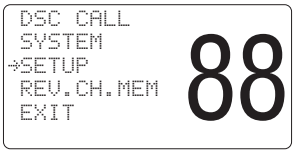
3-A. FIPS

The 6-digit Federal Information Processing System (FIPS) code established by the National Weather Service (NWS) identifies geographic areas in the United States. Programming FIPS code is necessary to receive S.A.M.E. alerts about weather occurring in a particular area.

To set FIPS code

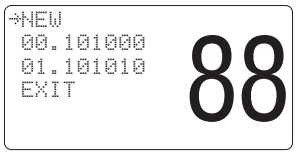
1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SETUP the SETUP menu will appears.



3. Rotate the ***PUSH – SELECT*** knob to select FIPS.

4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.

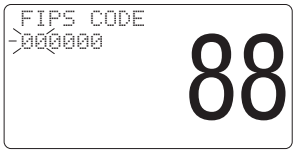


5. Rotate the ***PUSH – SELECT*** knob to make your selection.

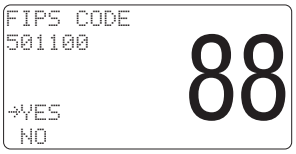
6. Press the ***PUSH – SELECT*** knob.

3-A-1. FIPS-
If you select NEW-

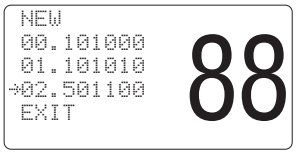
1. Press the ***PUSH – SELECT*** knob at NEW, the following screen appears.



2. You can now enter the new FIPS code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right. When you finished entering the last digit, the following confirmation screen appears.

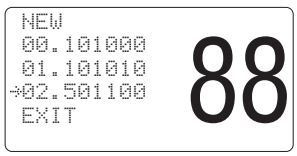


3. Rotate the ***PUSH – SELECT*** knob to make your selection.
4. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.



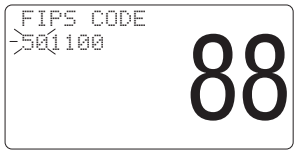
3-A-2. EDIT
If you select a number to EDIT.

1. Press the ***PUSH – SELECT*** knob at the code that you want to edit.



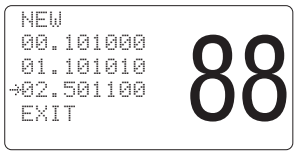
2. Press the ***PUSH – SELECT*** knob at EDIT, the following screen appears.

3. You can now enter the correct FIPS code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.



3-A-3. DELETE
If you select DELETE

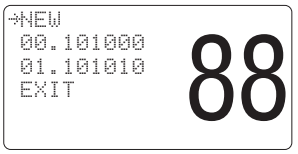
1. Press the ***PUSH – SELECT*** knob at the code that you want to delete.



2. Press the ***PUSH – SELECT*** knob at DELETE, the following screen appears.

3. Rotate the ***PUSH – SELECT*** knob to make your selection.

4. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.

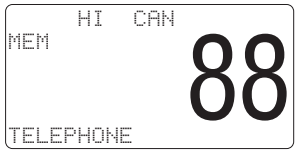


3-B. USER MMSI

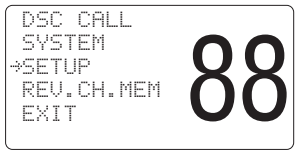
A MMSI is a nine-digit number used on Marine Transceivers that are able to use Digital Selective Calling (DSC). This number is used like a telephone number to call other vessels.

To set USER MMSI code

1. Press and hold ***MENU*** for 2 seconds.

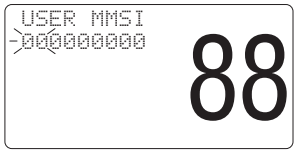


2. Rotate the ***PUSH – SELECT*** knob to select SETUP.

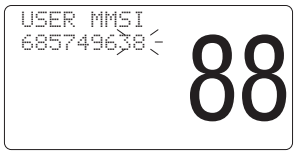


3. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu appears.

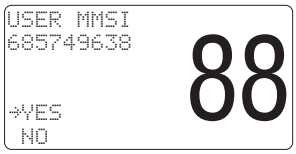
4. Rotate the ***PUSH – SELECT*** knob to select USER MMSI, and press the ***PUSH – SELECT*** knob, the following screen appears.



5. You can now enter the USER MMSI code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.



6. After the final digit is entered, the confirmation screen appears, and you can make your selection by rotating the ***PUSH – SELECT*** knob. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.



Note: *You can program your **POLARIS** twice. After that send your **POLARIS** to Uniden for programming.*

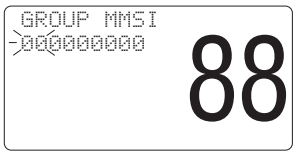
3-C. GROUP MMSI

1. Press and hold ***MENU*** for 2 seconds.

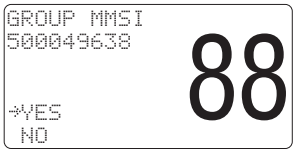
2. Rotate the ***PUSH – SELECT*** knob to select SETUP.

3. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu appears.

4. Rotate the ***PUSH – SELECT*** knob to select GROUP MMSI, and press the ***PUSH – SELECT*** knob, and the following screen appears.
5. You can now enter the GROUP MMSI code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.



6. After the final digit is entered, a confirmation screen appears, you can make your selection by rotating the ***PUSH – SELECT*** knob.

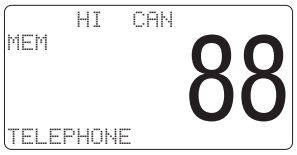


7. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.

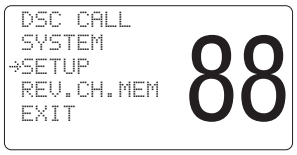
3-D. U.I.C

The **POLARIS** can transmit and receive, USA, Canada, and International frequencies. When you turn the **POLARIS** On, the USA is set as default.

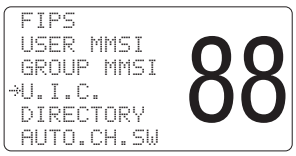
1. Press and hold ***MENU*** for 2 seconds.



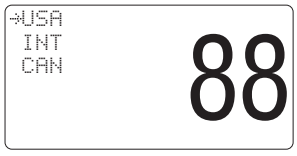
2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu appears.



3. Rotate the ***PUSH – SELECT*** knob to select U.I.C..

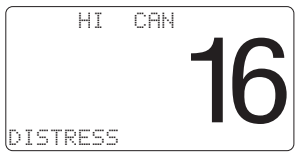


4. Press the ***PUSH – SELECT*** knob and the following screen appears.



5. Rotate the ***PUSH – SELECT*** knob to make your selection.

6. Press the ***PUSH – SELECT*** knob and the **POLARIS** will return to the channel display screen.



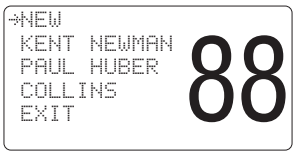
3-E. DIRECTORY

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.

3. Rotate the ***PUSH – SELECT*** knob to select DIRECTORY.

4. Press the ***PUSH – SELECT*** knob, and the DIRECTORY will appear.

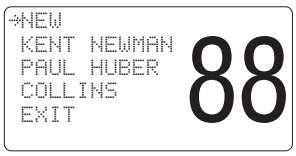


5. Rotate the ***PUSH – SELECT*** knob to make your selection.

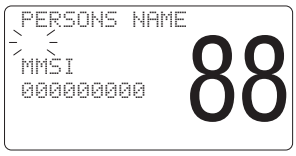
6. Press the ***PUSH – SELECT*** knob.

3-E-1. NEW
If you select NEW-

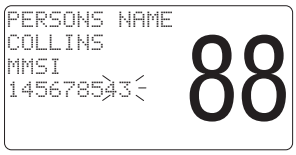
1. Press the ***PUSH – SELECT*** at NEW, the following screen appears.

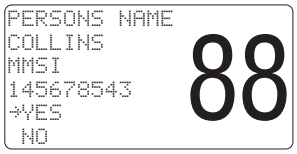


2. You can now enter the person's name. Rotate the ***PUSH – SELECT*** knob, and press the ***PUSH – SELECT*** knob to choose the alphabet.

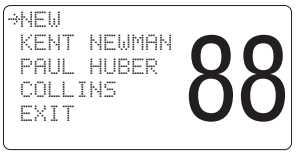


3. After you entered the person's name, you can enter the directory code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.
4. After the directory data is entered, a confirmation screen appears.



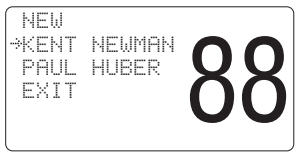


5. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.

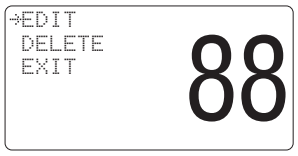


3-E-2. EDIT –
If you select a name to EDIT –

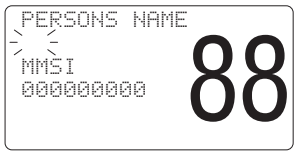
1. Press the ***PUSH – SELECT*** at the individual you want to edit.



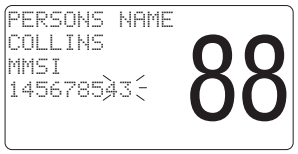
2. After you pressed ***PUSH – SELECT*** knob at person's name, the following screen appears. Press the ***PUSH – SELECT*** knob at EDIT.



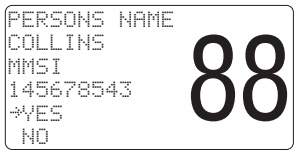
3. You can now enter the person's name. Rotate the ***PUSH – SELECT*** knob, and press the ***PUSH – SELECT*** knob to choose the alphabet.



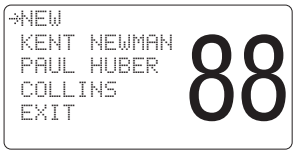
4. After you entered the person's name, you can enter the directory code. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.



5. After the directory data is entered, a confirmation screen appears.

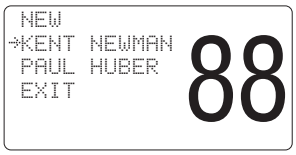


6. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.



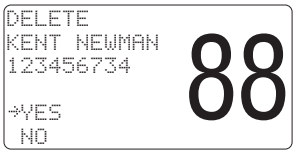
3-E-3. DELETE –
If you select a name to DELETE –

1. Press the ***PUSH – SELECT*** knob at the individual you want to delete.

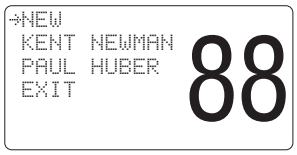


2. Press the ***PUSH – SELECT*** knob at DELETE.

3. Rotate the ***PUSH – SELECT*** knob to make your selection.



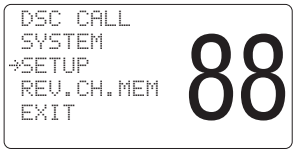
4. Press the ***PUSH – SELECT*** knob and the **POLARIS** returns to the following screen.



3-F. AUTO. CH. SW

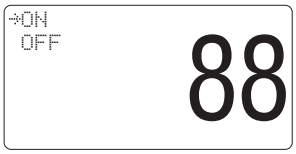
1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select AUTO.CH.SW.

4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.



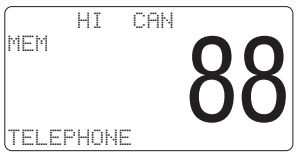
5. If you want to change this mode to OFF, you can change it by rotating the ***PUSH – SELECT*** knob. (Default is set as ON.)

6. Press the ***PUSH – SELECT*** knob.

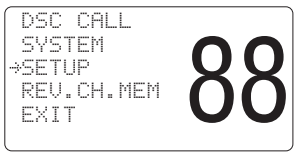
3-G. POS.REPLY

When the **POLARIS** has requested the position data, you can decide to transmit an acknowledgment automatically or manually.

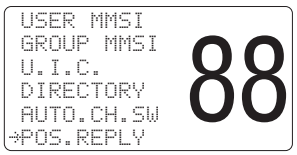
1. Press and hold ***MENU*** for 2 seconds.



2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select POS.REPLY.

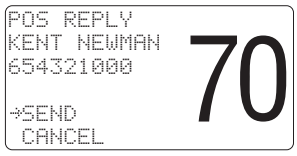


4. Press the ***PUSH – SELECT*** knob, and the following screen appears.

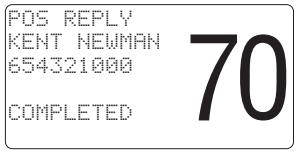
5. Rotate the ***PUSH – SELECT*** knob to make your selection.

6. Press the ***PUSH – SELECT*** knob.

7. MANUAL
When the **POLARIS** receives a position request, the following screen appears. Rotate the ***PUSH – SELECT*** knob to make your selection.



8. AUTO
When the **POLARIS** receives a position request, the following screen appears.

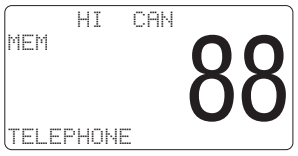


Note: *If the* **POLARIS** *is set to MANUAL, you can select either SEND or CANCEL.*

If the **POLARIS** *is set to AUTO, it will automatically reply to the request, and* COMPLETED *appears.*

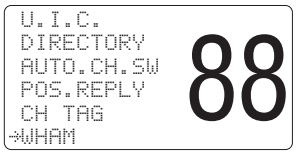
3-H. WHAM

1. Press and hold ***MENU*** for 2 seconds.

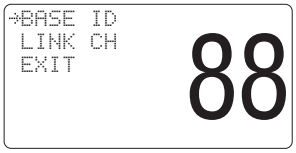


2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.

3. Rotate the ***PUSH – SELECT*** knob to select WHAM.

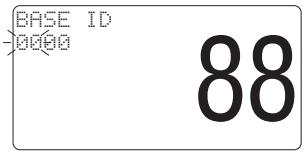


4. Press the ***PUSH – SELECT*** knob, and the following screen will appear.

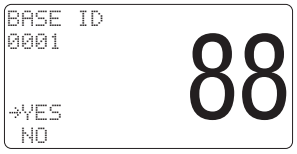


3-H-1. BASE ID

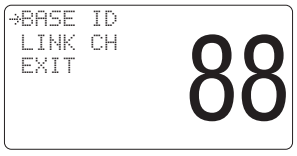
1. When you press the ***PUSH – SELECT*** knob at BASE ID, the following screen appears and you can enter the ID.



2. Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right. You can select the number 0000 to 9999.



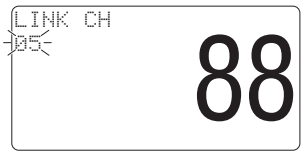
3. After the BASE ID is entered, a confirmation screen appears, and you can select answer by rotating the ***PUSH – SELECT*** knob, and then press the ***PUSH – SELECT***.



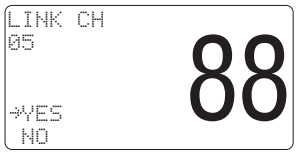
3-H-2. LINK CH

1. When you press the ***PUSH – SELECT*** knob at CHANNEL, the following screen appears and you now can input the ID.

   Rotate the ***PUSH – SELECT*** knob clockwise to increase the number, counterclockwise to decrease. The number will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.



2. After the LINK CH is entered, a confirmation screen appears, and you can make your selection by rotating the ***PUSH – SELECT*** knob, and press the ***PUSH – SELECT*** again.

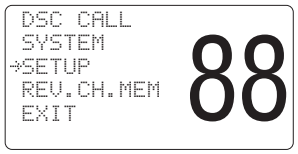


3-I. CH TAG

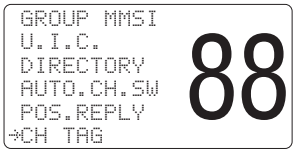
This feature allows you to name each Marine channel.

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select CH TAG.

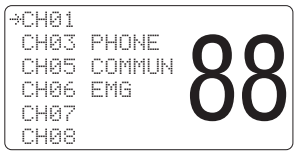


4. Press the ***PUSH – SELECT*** knob, the following screen appears.

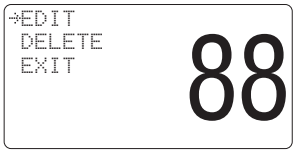
5. Now you can select the channel that you would like to EDIT or DELETE.

3-I-1. EDIT

1. Press the ***PUSH – SELECT*** knob at the data you want to edit.

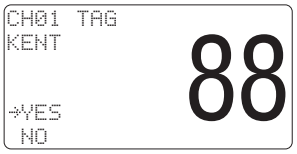


2. After you selected the channel, EDIT, DELETE, or EXIT appears. Select EDIT and press the ***PUSH – SELECT*** knob.



3. You can enter the name with the ***PUSH – SELECT*** knob. Rotate the ***PUSH – SELECT*** knob clockwise or counterclockwise to select the alphabet. The letter will be entered when the ***PUSH – SELECT*** knob is pressed, and the blinking digit moves to the right.

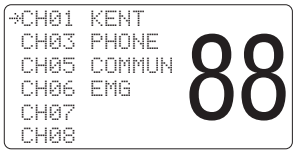
4. After you have edited the data, a confirmation screen appears. Rotate the ***PUSH – SELECT*** knob to make your selection. If you selected NO, it returns to the display bofore edited. If you selected YES, the data you have edited is displayed.



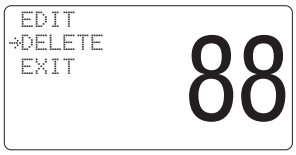
3-I-2. DELETE

If you selected Delete -

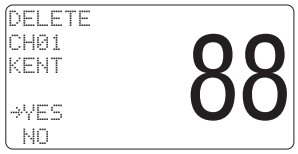
1. press the ***PUSH – SELECT*** knob at the channel you want to DELETE.



2. After you selected the channel, EDIT, DELETE, or EXIT appears. Select DELETE and press the ***PUSH – SELECT*** knob.



3. After you selected DELETE, a confirmation screen appears. If you selected "YES", the name that you have selected is deleted.



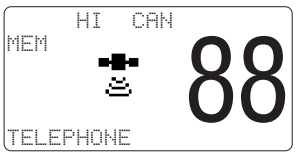
3-J. TIME OFFSET

This feature sets the time difference between local time and UTC Time.

3-J-1. STANDARD

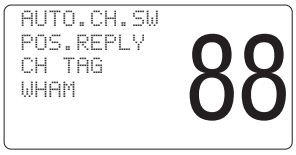
This feature allows you to set up the time difference manually.

1. Press and hold ***MENU*** for 2 seconds.

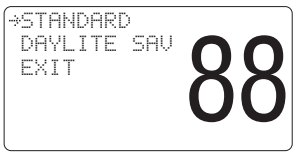


2. Press ***PUSH – SELECT*** knob at SETUP the, DELETE, SETUP menu will appear.

3. Rotate the ***PUSH – SELECT*** knob to select TIME OFFSET.

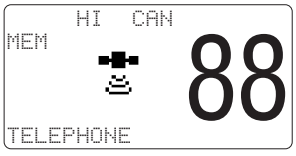


4. Press ***PUSH – SELECT*** knob at STANDARD, the following screen appears.



5. Rotate the ***PUSH – SELECT*** knob to select the appropriate time offset from GMT.

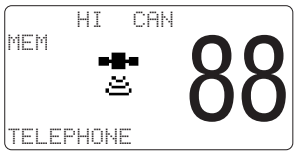
6. Press ***PUSH – SELECT*** knob. The **POLARIS** return to the previous MRN CH.



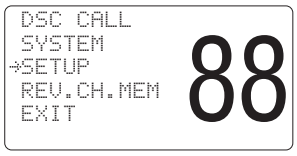
3-J-2. DAYLITE SAV

This feature allows you to set up the difference automatically by using GPS module.

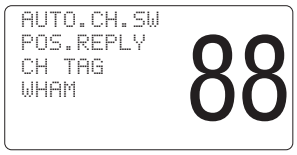
1. Press and hold ***MENU*** for 2 seconds.



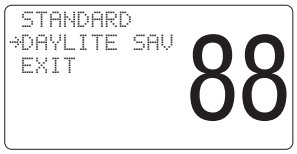
2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.



3. Rotate the ***PUSH – SELECT*** knob to select TIME OFFSET.



4. Press ***PUSH – SELECT*** knob at DAYLITE SAV.



5. The **POLARIS** returns to the previous MRN CH.

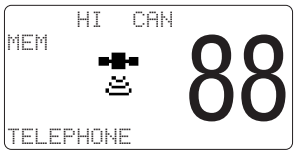
3-K. ALARMCLOCK

This feature is only available when the GPS is connected to the NMEA0183 jack. If it is connected to the GPS, the alarms are set based on the satellite.

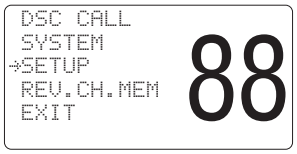
3-K-1. ALARM ON

This feature allows you to turn the alarm ON.

1. Press and hold ***MENU*** for 2 seconds.

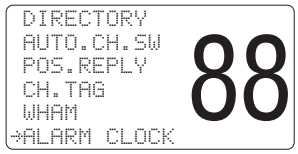


2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu appears.



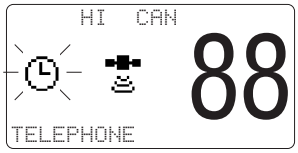
3. Rotate the ***PUSH – SELECT*** knob to ALARM CLOCK.

4. Press the ***PUSH – SELECT*** knob, the following screen appears.



5. Press the ***PUSH – SELECT*** knob at ON. The **POLARIS** returns to the previous MRN CH and 🕒 icon appears.

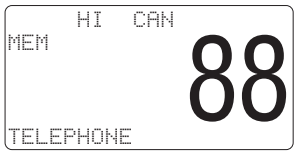
6. When the **POLARIS** reaches the time the alarm was set for the alarm sounds and the 🕒 icon blinks.



3-K-2. ALARM OFF

This feature allows you to turn the alarm OFF.

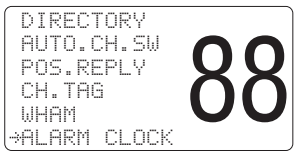
1. Press and hold ***MENU*** for 2 seconds.



2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.

3. Rotate the ***PUSH – SELECT*** knob to select ALARM CLOCK.

4. Press the ***PUSH – SELECT*** knob, the following screen appears.



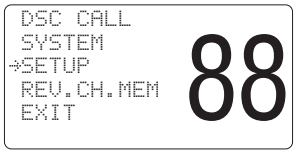
5. Press the ***PUSH – SELECT*** knob at OFF. The POLARIS returns to the previous MRN CH and the 🕒 icon disappears.

3-K-3. ALARM Set

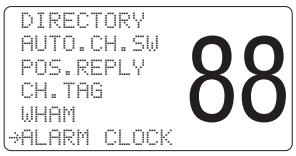
This feature allows you to set the alarm.

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob at SETUP, the SETUP menu will appear.



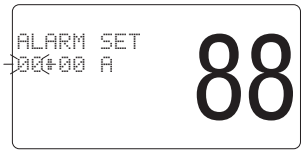
3. Rotate the ***PUSH – SELECT*** knob to select ALARM CLOCK.



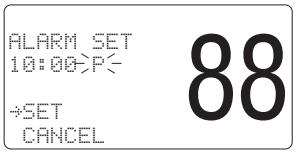
4. Press the ***PUSH – SELECT*** knob, the following screen appears.

   Press the ***PUSH – SELECT*** knob at ALARM SET.

5. You can set the hour, minutes, select am or pm by rotating the ***PUSH – SELECT*** knob.



6. Press the ***PUSH – SELECT*** after you have selected am or pm.
   A confirmation screen appears.
   The **POLARIS** returns to the ALARM CLOCK MENU.

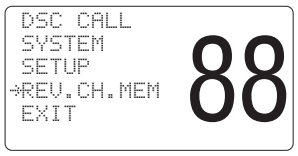


4. REV.CH.MEM

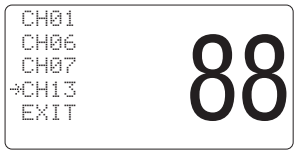
This feature allows you to review all of the channels that have been programmed in memory scanning.

1. Press and hold ***MENU*** for 2 seconds.

2. Press the ***PUSH – SELECT*** knob to select REV.CH.MEM, the following screen appears.

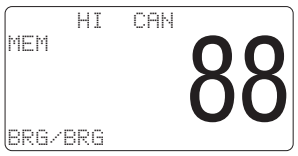


3. Rotate the ***PUSH – SELECT*** knob to select the registered channel.



4. Press the ***PUSH – SELECT*** knob to move the registered channel.

5. Then you can move to the selected channel.



Note: *When there are no channels registered in memory, an error tone beeps.*

Optional Accessories

• Flush mounting bracket for “in dash” installation.

Contact your Uniden Dealer for information.

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VHF FM Marine Radio Telephone Channel and Functions

(USA Channels)

CHANNEL DESIG	FREQUENCY (MHz) TRANSMIT	RECEIVE	TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
WX0	—	163.275	NOAA Weather	RX Only	RX Only	Weather
WX1	—	162.550	NOAA Weather	RX Only	RX Only	Weather
WX2	—	162.400	NOAA Weather	RX Only	RX Only	Weather
WX3	—	162.475	NOAA Weather	RX Only	RX Only	Weather
WX4	—	162.425	NOAA Weather	RX Only	RX Only	Weather
WX5	—	162.450	NOAA Weather	RX Only	RX Only	Weather
WX6	—	162.500	NOAA Weather	RX Only	RX Only	Weather
WX7	—	162.525	NOAA Weather	RX Only	RX Only	Weather
WX8	—	161.650	Can. Weather	RX Only	RX Only	Weather
WX9	—	161.775	Can. Weather	RX Only	RX Only	Weather
01	156.050	156.050	VTS	Yes	Yes	
02						
03	156.150	156.150	Port Ops	Yes	Yes	
04						
05	156.250	156.250	VTS	Yes	Yes	
06	156.300	156.300	Safety	Yes	No	Coast Guard
07	156.350	156.350	Com'l	Yes	Yes	
08	156.400	156.400	Com'l	Yes	No	
09	156.450	156.450	Com'l & Non Com'l	Yes	Yes	Fish
10	156.500	156.500	Com'l	Yes	Yes	
11	156.550	156.550	Com'l	Yes	Yes	
12	156.600	156.600	Port Ops	Yes	Yes	
13	156.650	156.650	Navigational, TX 1W only	Yes	Yes	
14	156.700	156.700	Port Ops	Yes	Yes	
15	—	156.750	Environmental	RX Only	RX Only	Environmental
16	156.800	156.800	Safety Calling	Yes	Yes	
17	156.850	156.850	State Control	Yes	Yes	
18	156.900	156.900	Com'l	Yes	Yes	
19	156.950	156.950	Com'l	Yes	Yes,	
20	157.000	157.000	Port Ops, RX Duplex	Yes	Yes	
21	157.050	157.050	Coast Guard	Yes	Yes	Coast Guard
22	157.100	157.100	Coast Guard	Yes	Yes	Coast Guard
23	157.150	157.150	Coast Guard	Yes	Yes	Coast Guard
24	157.200	161.800	Public Corresp,Duplex	No	Yes	Busy Tel.
25	157.250	161.850	Public Corresp,Duplex	No	Yes	Busy Tel.
26	157.300	161.900	Public Corresp,Duplex	No	Yes	Busy Tel.
27	157.350	161.950	Public Corresp,Duplex	No	Yes	Busy Tel.
28	157.400	162.000	Public Corresp,Duplex	No	Yes	Busy Tel.
60						
61	156.075	156.075				
62						
63	156.175	156.175				
64	156.225	156.225				
65	156.275	156.275	Port Ops	Yes	Yes	
66	156.325	156.325	Port Ops	Yes	Yes	
67	156.375	156.375	Com'l, TX 1W only	Yes	No	
68	156.425	156.425	Non Com'l	Yes	Yes	Fish
69	156.475	156.475	Non Com'l	Yes	Yes	Fish
71	156.575	156.575	Non Com'l	Yes	Yes	Fish
72	156.625	156.625	Non Com'l	Yes	No	Fish
73	156.675	156.675	Port Ops	Yes	Yes	
74	156.725	156.725	Port Ops	Yes	Yes	
77	156.875	156.875	Port Ops	Yes	No	
78	156.925	156.925	Non Com'l	Yes	Yes	Fish
79	156.975	156.975	Com'l	Yes	Yes	
80	157.025	157.025	Com'l	Yes	Yes	
81	157.075	157.075	Coast Guard	Yes	Yes	Coast Guard
82	157.125	157.125	US Govt Only	Yes	Yes	
83	157.175	157.175	Coast Guard	Yes	Yes	Coast Guard
84	157.225	161.825	Public Corresp,Duplex	No	Yes	Busy Tel.
85	157.275	161.875	Public Corresp,Duplex	No	Yes	Busy Tel.
86	157.325	161.925	Public Corresp,Duplex	No	Yes	Busy Tel.
87	157.375	161.975	Public Corresp,Duplex	No	Yes	Busy Tel.
88	157.425	157.425	Com'l	Yes	No	

VHF FM Marine Radio Telephone Channel and Functions

(International Channels)

CHANNEL DESIG	FREQUENCY (MHz) TRANSMIT	RECEIVE	TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
WXO	—	163.275	NOAA Weather	RX Only	RX Only	Weather
WX1	—	162.550	NOAA Weather	RX Only	RX Only	Weather
WX2	—	162.400	NOAA Weather	RX Only	RX Only	Weather
WX3	—	162.475	NOAA Weather	RX Only	RX Only	Weather
WX4	—	162.425	NOAA Weather	RX Only	RX Only	Weather
WX5	—	162.450	NOAA Weather	RX Only	RX Only	Weather
WX6	—	162.500	NOAA Weather	RX Only	RX Only	Weather
WX7	—	162.525	NOAA Weather	RX Only	RX Only	Weather
WX8	—	161.650	Can. Weather	RX Only	RX Only	Weather
WX9	—	161.775	Can. Weather	RX Only	RX Only	Weather
01	156.050	160.650	VTS,Duplex	Yes	Yes	
02	156.100	160.700	Port Ops,Duplex	Yes	Yes	
03	156.150	160.750	Port Ops,Duplex	Yes	Yes	
04	156.200	160.800	Port Ops,Duplex	Yes	Yes	
05	156.250	160.850	VTS,Duplex	Yes	Yes	
06	156.300	156.300	Safety	Yes	No	
07	156.350	160.950	Com',Duplexl	Yes	Yes	
08	156.400	156.400	Com'l	Yes	No	
09	156.450	156.450	Com'l & Non Com'l	Yes	Yes	Fish
10	156.500	156.500	Com'l	Yes	Yes	
11	156.550	156.550	Com'l	Yes	Yes	
12	156.600	156.600	Port Ops	Yes	Yes	
13	156.650	156.650	Navigational	Yes	Yes	
14	156.700	156.700	Port Ops	Yes	Yes	
15	156.750	156.750	Environmental	Yes	Yes	Environmental
16	156.800	156.800	Safety Calling	Yes	Yes	
17	156.850	156.850	State Control	Yes	Yes	
18	156.900	161.500	Com'l,Duplex	Yes	Yes	
19	156.950	161.550	Com'l,Duplex	Yes	Yes	
20	157.000	161.600	Port Ops,Duplex	Yes	Yes	
21	157.050	161.650	Coast Guard,Duplex	Yes	Yes	
22	157.100	161.700	Coast Guard,Duplex	Yes	Yes	
23	157.150	161.750	Coast Guard,Duplex	Yes	Yes	
24	157.200	161.800	Public Corresp,Duplex	No	Yes	Busy Tel.
25	157.250	161.850	Public Corresp,Duplex	No	Yes	Busy Tel.
26	157.300	161.900	Public Corresp,Duplex	No	Yes	Busy Tel.
27	157.350	161.950	Public Corresp,Duplex	No	Yes	Busy Tel.
28	157.400	162.000	Public Corresp,Duplex	No	Yes	Busy Tel.
60	156.025	160.625	Duplex			
61	156.075	160.675	Duplex			
62	156.125	160.725	Duplex			
63	156.175	160.775	Duplex			
64	156.225	160.825	Duplex			
65	156.275	160.875	Port Ops,Duplex	Yes	Yes	
66	156.325	160.925	Port Ops,Duplex	Yes	Yes	
67	156.375	156.375	Com'l	Yes	No	
68	156.425	156.425	Non Com'l	Yes	Yes	Fish
69	156.475	156.475	Non Com'l	Yes	Yes	Fish
71	156.575	156.575	Non Com'l	Yes	Yes	Fish
72	156.625	156.625	Non Com'l	Yes	No	Fish
73	156.675	156.675	Port Ops	Yes	Yes	
74	156.725	156.725	Port Ops	Yes	Yes	
77	156.875	156.875	Port Ops	Yes	No	
78	156.925	161.525	Non Com'l,Duplex	Yes	Yes	
79	156.975	161.575	Com'l,Duplex	Yes	Yes	
80	157.025	161.625	Com'l,Duplex	Yes	Yes	
81	157.075	161.675	Coast Guard,Duplex	Yes	Yes	Coast Guard
82	157.125	161.725	US Govt Only,Duplex	Yes	Yes	
83	157.175	161.775	Coast Guard,Duplex	Yes	Yes	Coast Guard
84	157.225	161.825	Public Corresp,Duplex	No	Yes	Busy Tel.
85	157.275	161.875	Public Corresp,Duplex	No	Yes	Busy Tel.
86	157.325	161.925	Public Corresp,Duplex	No	Yes	Busy Tel.
87	157.375	161.975	Public Corresp,Duplex	No	Yes	Busy Tel.
88	157.425	162.025	Com'l,Duplex	Yes	No	Busy Tel.

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VHF FM Marine Radio Telephone Channel and Functions

(Canadian Channels)

CHANNEL DESIG	FREQUENCY (MHz) TRANSMIT	RECEIVE	TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
WXO	—	163.275	NOAA Weather	RX Only	RX Only	Weather
WX1	—	162.550	NOAA Weather	RX Only	RX Only	Weather
WX2	—	162.400	NOAA Weather	RX Only	RX Only	Weather
WX3	—	162.475	NOAA Weather	RX Only	RX Only	Weather
WX4	—	162.425	NOAA Weather	RX Only	RX Only	Weather
WX5	—	162.450	NOAA Weather	RX Only	RX Only	Weather
WX6	—	162.500	NOAA Weather	RX Only	RX Only	Weather
WX7	—	162.525	NOAA Weather	RX Only	RX Only	Weather
WX8	—	161.650	Can. Weather	RX Only	RX Only	Weather
WX9	—	161.775	Can. Weather	RX Only	RX Only	Weather
01	156.050	160.650	Duplex	Yes	Yes	
02	156.100	160.700	Duplex	Yes	Yes	
03	156.150	160.750	Duplex	Yes	Yes	
04	156.200	156.200		Yes	Yes	
05	156.250	156.250		Yes	Yes	
06	156.300	156.300		Yes	No	
07	156.350	156.350		Yes	Yes	
08	156.400	156.400		Yes	No	
09	156.450	156.450		Yes	Yes	Fish
10	156.500	156.500		Yes	Yes	
11	156.550	156.550		Yes	Yes	
12	156.600	156.600		Yes	Yes	
13	156.650	156.650	1W	Yes	Yes	
14	156.700	156.700		Yes	Yes	
15	156.750	156.750	1W	Yes	Yes	Environmental
16	156.800	156.800		Yes	Yes	
17	156.850	156.850	1W	Yes	Yes	
18	156.900	156.900		Yes	Yes	
19	156.950	156.950		Yes	Yes	
20	157.000	161.600	Duplex, 1W	Yes	Yes	
21	157.050	157.050		Yes	Yes	
22	157.100	157.100		Yes	Yes	
23	157.150	161.750	Duplex	Yes	Yes	
24	157.200	161.800	Duplex	No	Yes	Busy Tel.
25	157.250	161.850	Duplex	No	Yes	Busy Tel.
26	157.300	161.900	Duplex	No	Yes	Busy Tel.
27	157.350	161.950	Duplex	No	Yes	Busy Tel.
28	157.400	162.000	Duplex	No	Yes	Busy Tel.
60	156.025	160.625	Duplex			
61	156.075	156.075				
62	156.125	156.125				
63	—	—				
64	156.225	160.825	Duplex			
65	156.275	156.275		Yes	Yes	
66	156.325	156.325		Yes	Yes	
67	156.375	156.375		Yes	No	
68	156.425	156.425		Yes	Yes	Fish
69	156.475	156.475		Yes	Yes	Fish
71	156.575	156.575		Yes	Yes	Fish
72	156.625	156.625		Yes	No	Fish
73	156.675	156.675		Yes	Yes	
74	156.725	156.725		Yes	Yes	
77	156.875	156.875		Yes	No	
78	156.925	156.925		Yes	Yes	
79	156.975	156.975		Yes	Yes	
80	157.025	157.025		Yes	Yes	
81	157.075	157.075		Yes	Yes	Coast Guard
82	157.125	157.125		Yes	Yes	
83	157.175	157.175		Yes	Yes	Coast Guard
84	157.225	161.825	Duplex	No	Yes	Busy Tel.
85	157.275	161.875	Duplex	No	Yes	Busy Tel.
86	157.325	161.925	Duplex	No	Yes	Busy Tel.
87	157.375	161.975	Duplex	No	Yes	Busy Tel.
88	157.425	162.025	Duplex	Yes	No	Busy Tel.

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Specification

General

Channels	: Transmit 54 Receive 77 Marine/10 Weather
Controls	: On-Off/Volume, Squelch
Status Indicators	: TX (transmit), SCAN, TRI, U, I, C, HI, LO, MEM, WX, and WX alert symbol on LCD Panel
Channel Display	: LCD (Full DotMatrix)
Selector Switch	: Channel Selector switch
Buttons	: WX, 16/9, MEM, H/L, and STEP
Connectors	: Antenna, remote ACC, and DC power
Size	: 73 mmH x 181 mmW x 132 mmL
Weight	: 1.1 kg (microphone: 180 g)
Supply Voltage	: 13.8V DC negative ground
Standard Accessories	: Mounting bracket and hardware, DC power cord, microphone hanger, spare fuse
Antenna Impedance	: 50 Ω nominal
Microphone	: Rugged 2 kΩ condenser mic element with coiled cord
Speaker	: 1.82 inch, 8W
Operating Temperature Range	: –20 °C to + 50 °C (–4 °F to +122 °F)
Shock and Vibration	: Meets or exceeds EIA standards, RS152B and RS204C
FCC Approvals	: Type accepted under part 80 of the Rules; meets Great Lakes Agreement and party boat requirements

Transmitter

Power Output	: 1 watt or 25 watt (switch selectable)
Power Requirement	: Not rated on LO, 25 watts output: 4.5A@13.8V DC
Modulation	: FM ±5 kHz deviation (FCC designator F3E)
Hum and Noise Signal-to-Noise	: 45 dB@1 kHz, 3 kHz - Dev.
Audio Distortion	: Less than 7% with 3 kHz deviation with 1000 Hz modulating frequency (nominal)
Spurious Suppression	: –16 dBm @ Hi, –18 dBm @ Lo
Output Power Stabilization	: Built-in automatic level control (ALC)
Frequency Range	: 156 to 158 MHz
Frequency Stability	: ±10 ppm @ –20°C to + 50°C

Receiver

Frequency Range	: 156 to 163 MHz
Sensitivity	: 0.25 µV for 12 dB SINAD, 0.35 µV for 20 dB S/N
Circuit	: Dual Conversion Super Heterodyne PLL
Squelch Sensitivity	: 0.6 µV Threshold
Spurious Response	: 65 dB
Adjacent Channel Selectivity	: 60 dB @ ±25 kHz
Audio Output Power	: 3.0 watts (10% Distortion)
Power Requirement	: 400 mA @ 13.8V DC squelched, 0.7A @ 13.8V DC at maximum audio output
IF Frequencies	: 1st 21.4 MHz, 2nd –455 kHz

Troubleshooting

If the **POLARIS** does not perform to your expectations, try the suggestions listed below. If you cannot get satisfactory results, call the Uniden Customer Service Center at (800) 586-0409, 8:00 a.m. to 5:00 p.m., Central Standard Time, Monday through Friday.

SYMPTOM	CAUSE	REMEDY
Won't power On.	No or low voltage.	Check for proper voltage getting to the set.
Reverts to Ch.16 when PTT key is pressed.	Low current or voltage.	Connect to a source of 12VDC that can supply at least 4 Amps.
When the PTT is pressed - Tx light comes on and another radio can hear a "click" but no audio is heard.	Bad mic element.	Send in for repair.
While scanning, the radio stops on a particular channel all of the time.	A source of noise is nearby.	Eliminate the source of the noise or delete the channel from the scanner.
There is noise on the receiver that the squelch will not eliminate.	An external noise is being generated by some device.	Either turn off the offending device or contact that Mfg. Regarding FCC part 15 "unintentional radiator".

Care and Maintenance

Your **POLARIS** is a precision of electronic equipment and you should treat it accordingly. Due to the rugged design, very little maintenance is required. However, a few precautions should be observed:

- If your radio has been accidentally subjected to spray or splash, you should immediately wipe it down with a soft cloth dampened with fresh water.
- If the antenna has been damaged, you should not transmit except in the case of an emergency. A defective antenna may cause damage to your radio.
- You are responsible for continued FCC technical compliance of your radio.
- You are urged to arrange for periodic performance checks with your Uniden Marine dealer.

NOTE

Three Year Limited Warranty

WARRANTOR: UNIDEN AMERICA CORPORATION (“Uniden”)

ELEMENTS OF WARRANTY: Uniden warrants, for three years, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate and be of no further effect 36 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the Operating Guide for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will repair the defect and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in this Operating Guide you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, or delivered, to warrantor at:

Uniden America Corporation
Parts and Service Division
4700 Amon Carter Blvd.
Ft. Worth, TX 76155
(800) 235-3874, 8 AM to 5 PM Central,
Monday through Friday

Thank you for purchasing a Uniden Marine Radio.

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