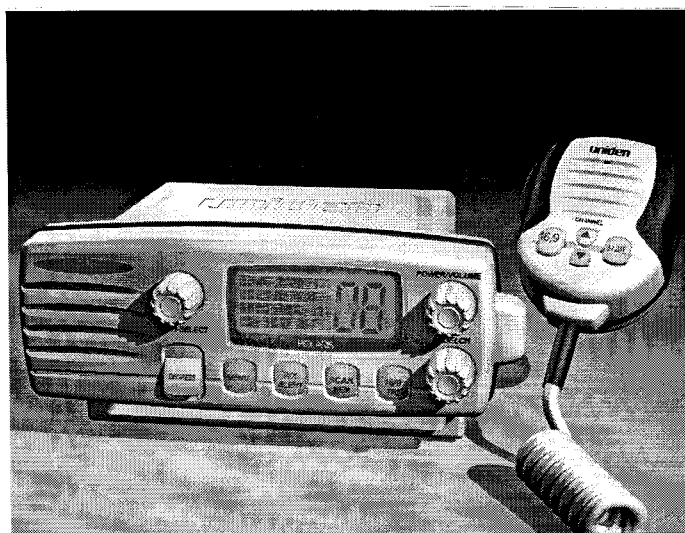


POLARIS OWNER'S MANUAL Preliminary Draft



Uniden®

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 the FCC Call Center at 1-888-CALL-FCC.

For individual 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** will 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.

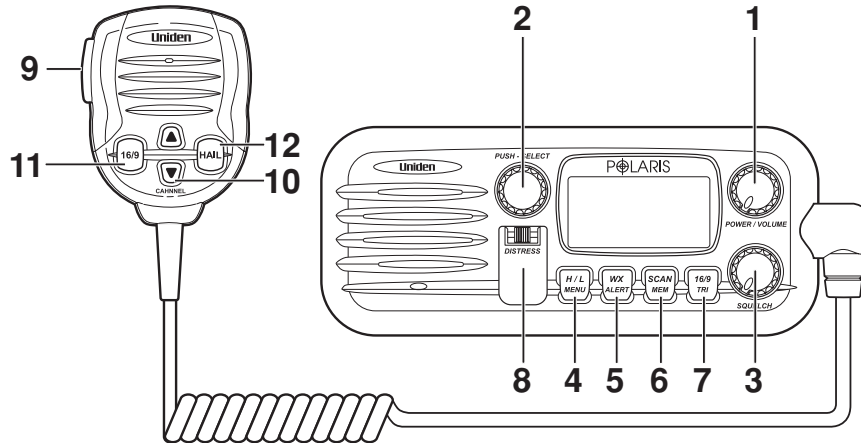
You are encouraged to thoroughly read the rest of this Operating Guide to acquaint yourself with the characteristics and operation of your transceiver so that you can contribute to the longevity of your investment.

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

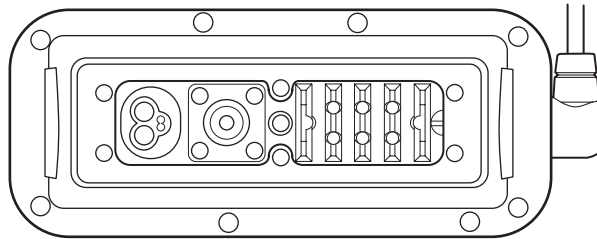
Front panel/Microphone



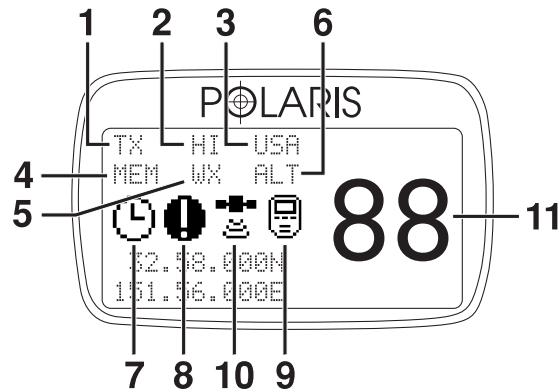
1. **POWER/VOLUME** (On/Off/Volume) - Turns the unit On or Off and varies the audio output.
2. **PUSH/SELECT** - This is used to manually select the desired Communication Channel(01-28 and 60-88), or Weather Channel (0-9). In the MENU mode this is used to select the menu options.
3. **SQUELCH** - Eliminate background noise when no signal is received.
4. **H/L/MENU** - Change output power Hi/Lo and select Menu mode. Press this key to change output power Hi and Low. Press and hold the key for 2 seconds to enter the MENU mode.
5. **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.
6. **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.
7. **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.
8. **DISTRESS** - Send a signal of distress in case of emergency.

9. **PTT Switch** - Press to transmit and release to receive.
10. **CHANNEL** - Change channel number up/down.
11. **16/9** - Change Channel 16 and Channel 9.
12. **HAIL** - Use as a public address system.

Rear Panel Connectors



- 1.
- 2.
- 3.
- 4.



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. **MEM** (Memory) - Indicates Memory Scan Mode status for each channel selected.
5. **WX** - Indicate Weather Channel Mode has been activated.
6. **ALT** - Indicates Weather Alert Mode has been activated.
7. **(Alarm mark)** - *It appears when the alarm is set.*
8. **(GPS mark)** - *It appears when GPS module is set.*
9. **(WHAM mark)** - *It appears when WHAM is set.*
10. **(Exclamation mark)** - *It appears when it receives DSC call or WX Alert.*
11. Channel Display - Indicates Channel Number in use.

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 you're 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 object. 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 impulse 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 impulse 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 impulse noise interference, it may be necessary to install a noise suppression kit. Contact your Uniden Dealer for more information.

Antenna Considerations

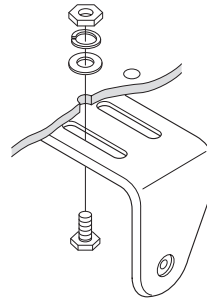
A variety of antennas are available from a number of quality suppliers. It is recommended you draw upon the advice of your Uniden dealer in determining a suitable antenna for your vessel and range requirements.

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.

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.

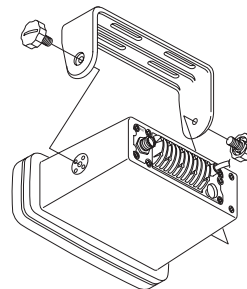
Note: *This HEXAGON HEAD BOLT is only for mounting the bracket with hardware. Do not use it for installing the radio in the mounting bracket.*



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 volume to a comfortable level.

Note: *You must select a channel which is not in use before setting the SQUELCH control on your radio.*

2. Think of the Squelch control as a gate. If you turn SQUELCH fully clockwise it raises the "Squelch Gate" so high that no signals get through.
3. If you turn SQUELCH fully counterclockwise it lowers the "Squelch Gate" so that everything gets through – noise, weak signals, and strong signals.
4. To set the "Squelch Gate" to desired level, turn SQUELCH counterclockwise until you hear noise. Then turn SQUELCH back clockwise just until the noise stops. Now only strong signals get through.

UNIDEN
POLARIS
MARINE
RADIO

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It beeps and the following greeting message appears on the LCD for 3 seconds.

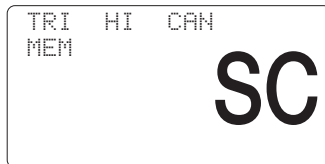
SQUELCH

Adjust the SQUELCH control counterclockwise until you hear background noise, and then turn it clockwise until the noise disappears.

Triple Watch

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

To activate Triple Watch, press **16/9/TRI** key for 2 seconds. The "TRI " icon appears on the LCD panel, indicating Triple Watch mode is 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** key for 2 seconds to cancel Triple Watch Mode

Note: *Rewriting of priority CH cannot be performed. It is set to Triple watch which receives 16CH, 9CH, and Current CH when a signal is in Current CH. It is set to Dual watch which receives 9CH and 16CH when a signal is in 9CH. When a signal is in 16CH, it stops at this CH, and gives priority and receives. If Triple watch is in WX mode, Triple watch will start with WX mode. If 16/9/TRI key is pressed for 2 seconds in scan mode, normal scan and Triple watch scan will change. If user presses **16/9/TRI** key in Triple watch mode, Triple watch will be interrupted temporarily and it will be set to PRI 16CH. If user presses **16/9/TRI** key once again, it will be set to PRI 9CH, and Triple watch will be resumed if user presses **16/9/TRI** key once again. Triple watch is not turned on or turned off while WX ALERT beep is sounding, or while receiving WX ALERT CH, even if user presses **16/9/TRI** key for 2 seconds.*

Manual Tuning (scan mode?)

To manually select a channel, rotate the channel knob (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 with the Channel up/down selector button or any scanning activity. The Channel Display indicates the unit is Channel 16. Press **16/9/TRI** again to access Channel 9 communications. Press and release **16/9/TRI** a third time to release the switch (Off). The transceiver will return to the channel selected prior to accessing instant Channel 16/Channel 9 communications. The Channel Display will indicate the selected channel.

To cancel Channel 16/Channel 9 communications:

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

--or--

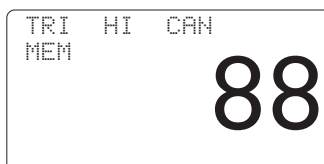
- Press **WX ALERT**.

Weather Scan

To scan only Weather Channels 0-9, press **WX/ALERT**, and then the radio will go to the last selected weather channel. Press **Up** Key and **Down** Key on the microphone to select a different weather channel.

To exit from weather channel:

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



MEM (Entering channel numbers into Memory Scan)

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

To enter a channel number into Memory Scan, select the channel number you want to store by rotating the PUSH-SELECT knob, and then press **SCAN/MEM** for 2 seconds at the channel which is not stored in the memory scan channels, the channel is stored as a channel of memory scan and MEM icon appear.

When SCAN/MEM key is pressed for 2 seconds at the channel which is stored once in the memory scan channels once, the stored channel is canceled and MEM icon disappears.

NOTE:

Memory channel can be set up by MODE of USA, INT, and CAN.

This function in WX mode is in valid.

If [**SCAN/MEM**] key is pressed for 2 seconds while staying at the channel which is in the scan mode, Triple watch scan mode and Triple watch mode, On/Off of memory channel will be performed.

It is not possible to cancel all memory channels at the same time.

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 no channel has been entered into Memory Scan, an error tone sounds and the LCD Panel does not change.

Hail:

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



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, a siren will sound at full volume, regardless of the volume setting. When the signal stops, you will hear the active weather channel broadcast t normal volume.

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

1. Press **WX/ALERT** key for 2 seconds in the state of WX/ALERT off it is set to WX/ALERT on and ALT icon appears.
2. If this radio receives a 1050Hz tone, channel display and ALT_h icon will blink every other second.
3. In the area where S.A.M.E. is broadcast, the following figures are displayed.
4. When a WX ALERT signal is decoded at the time of WX ALERT on by scan mode, Triple watch, PRI 16CH mode and PRI 9CH mode are canceled.
5. When WX ALERT signal is received during transmission, decoding does not carry out. In order to stop alarm leave it as it is for 8 seconds, or any key is pushed.
--or--
 1. Manually select the active Weather Channel after selecting WX.
 2. Press and hold **WX** to activate the Weather Alert Mode. To cancel the Weather Alert Mode, press and hold **WX** again.

Transmitting

The Polaris transmits on 57 marine frequencies and receives 80 different marine frequencies. Certain channels – the weather channels. Channel 70 of both the USA and International frequencies, and channel 15, 81, and 83 of the ISA frequencies – are received only. Your radio will transmit on these channels. For your reference, a listing of all the available marine channel is printed on the back cover 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.
2. Press **H/L/MENU**, to change the transmitter output to 1W.
3. Press **H/L/MENU** again, to change back to the higher power setting.

Note: *Each time the H/L/MENU key is pressed a short tone sounds.*

Dimming the LCD Display Backlight

When the Polaris is turned on, the LCD Panel will be brightest.

1. Pressing the **PUSH-SELECT** knob will change the brightness.
2. Rotating the knob clockwise to move the arrow down, clockwise to move the arrow up through the options. The backlight will change as the arrow moves.
3. Press **PUSH-SELECT** knob to select the desired level. The radio will return to the channel display screen.

Note: All user selectable options from the menu are retained during power down and even when the radio is removed from the boat.


Transmitter Time-Out Optional Accessories

1. Digital Selective Calling (DSC)

Digital Selective Calling is a semi-automated method of establishing a radio call, it has been designated by the International Maritime Organization (IMO) as an international standard for establishing VHF, MF and HF radio calls. It has also been designated as part of the Global Maritime Distress and Safety System (GMDSS). It is planned that DSC will eventually replace aural watches distress frequencies and will be used to announce routine and urgent maritime safety information broadcasts.

This new service will allow mariners to instantly send a distress call with GPS position (when connected to the transceiver) to the US Coast Guard and other vessel within range of the transmission. DSC will also allow mariners to initiate or receive distress, urgency, safety and routine calls to or from another vessel equipped with a DSC transceiver.

1. Press the **Menu** key when it is the Channel display mode, and the following screen appears.
2. Press the **PUSH/SELECT** knob to choose DSC CALL to



→DSC CALL
SYSTEM
SETUP
REV.CH.MEM
EXIT

88

1-A. Individual

1. Press **Menu** key
2. Press **PUSH – SELECT** at DSC CALL, then the DSC CALL menu will appear.
3. Rotate the **PUSH – SELECT** knob to select INDIVIDUAL.
4. Press **PUSH – SELECT**, and the individual directory will appear.
5. Rotate the **PUSH – SELECT** knob to select the options you want to contact.
6. Press **PUSH – SELECT** to transmit the individual DSC signal.

1-B. GROUP

1. Press **Menu** key
2. Press **PUSH – SELECT** at DSC CALL, then the DSC CALL menu will appear.
3. Rotate the **PUSH – SELECT** knob to select GROUP.

4. Press **PUSH – SELECT**, and **MMSI** code appears, and you can call the group member, who has registered same MMSI code beforehand, to communicate.
5. If ACK is received, "COMPLETE" shows up. If ACK is not received normally, "UNATTENDED" shows up in the display.

1-C. ALL Ships

1. Press **Menu** key
2. Press **PUSH – SELECT** at DSC CALL, then the DSC CALL menu will appear.
3. Rotate the **PUSH – SELECT** knob to select ALL SHIPS.
4. Press **PUSH – SELECT**, and the ALL SHIPS directory appears.
5. Rotate the **PUSH – SELECT** knob to select the nature of call (URGENCY, SAFETY, ROUTINE).
6. Press **PUSH – SELECT** 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 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 that the position of the ship registered into DIRECTORY.

1. Press **Menu** key
2. Press **PUSH – SELECT** at **DSC CALL**, then the DSC CALL menu appears.
3. Rotate the PUSH – SELECT knob to select POS.REQUEST.
4. Press **PUSH – SELECT**, and the individual directory appears.
5. Rotate the PUSH – SELECT knob to select the name to request one's position.

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

POS. REQ
 KENT NEWMAN
 654321000

 →SEND
 CANCEL

88

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

1-E. STANDBY

The DSC STANDBY function allows the transceiver to reply to DSC calls with the UNATTENDED message and log the calls for return at a more convenient time. When set to the DSC STANDBY mode, voice traffic may still be mentioned on any selected channel.

1. Press **Menu** key

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

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

4. Press **PUSH – SELECT**, 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 to the caller. The DSC call will be logged into the radio's call waiting directory.

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

1-F. CALLWAIT

The DSC Call Waiting directory logs 10 received distress calls, and logs 20 individual calls that are received and not answered within 5 minutes or while the radio is set on the DSC Standby function. Calls will be logged while 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 logged. When a call is logged, a message will appear.

Note: *When a DISTRESS CALL is received, this call will be logged on the distress call waiting directory.*

1. Press **Menu** key.
2. Press **PUSH – SELECT** at **DSC CALL**, then the DSC CALL menu will appear.
3. Rotate the PUSH – SELECT knob to select CALL WAIT.
4. Press **PUSH – SELECT**, and the **CALL WAIT** directory will appear.

5. Rotate the PUSH – SELECT knob to select the options you want to get logged.
6. Rotate the PUSH – SELECT knob to get further information about the call that came in.

7. If a DISTRESS call is received in Call wait, following display appears.

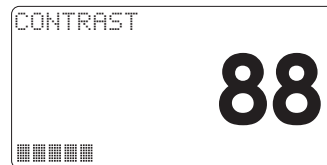
DISTRESS 06/15 10:30A JIM CASSIDY URGENCY 70.40.00 N 150.00.00 E	70
---	-----------

8. If an INDIVIDUAL call is received in Call wait, following display appears.

INDIVIDUAL 06/20 12:00P JIM CASSIDY 012345678 URGENCY	88
---	-----------

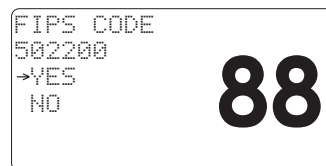
2-A. CONTRAST

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SYSTEM**, then the SYSTEM menu will appear.
3. Rotate the PUSH – SELECT knob to select CONTRAST.
4. Press **PUSH – SELECT**, and following screen appears.
5. Rotate the PUSH – SELECT knob clockwise to increase the background darkness level.
6. When you find the most favorable brightness, press **PUSH – SELECT** and it returns to the channel display screen.



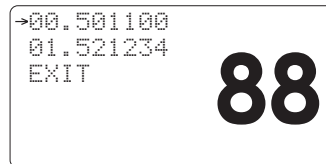
2-B. LAMP ADJUST

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SYSTEM**, then the SYSTEM menu will appear.
3. Rotate the PUSH – SELECT knob to select LAMP ADJUST.
4. Press **PUSH – SELECT**, and following screen will appear.
5. Rotate the PUSH – SELECT knob to select the backlight darkness level.
6. When you find the most favorable darkness, press **PUSH – SELECT** and it returns to the channel display screen.



2-C. KEY BEEP

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SYSTEM**, then the SYSTEM menu will appear.
3. Rotate the PUSH – SELECT knob to select KEY BEEP.
4. Press **PUSH – SELECT**, and following screen will appear.
5. Rotate the PUSH – SELECT knob clockwise to increase the volume, or counterclockwise to decrease the volume.



2-D. LCD COLOR

1. Press **Menu** key
2. Press **PUSH – SELECT** at SYSTEM, then the SYSTEM menu will appear.
3. Rotate the PUSH – SELECT knob to select LCD COLOR.
4. Press **PUSH – SELECT**, and following screen will appear.



Rotate the PUSH – SELECT knob to select the color either green or red.

2-E. HAIL VOLUME

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SYSTEM**, then the SYSTEM menu will appear.
3. Rotate the PUSH – SELECT knob to select HAIL VOLUME.
4. Press **PUSH – SELECT**, and following screen will appear.
5. Rotate the PUSH – SELECT knob to select the HAIL VOLUME level.



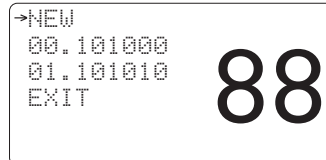
3. SETUP

3-A. F.I.P.S.

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

To set F.I.P.S. code

1. Press **Menu** key
2. Rotate the PUSH – SELECT knob to select SETUP.
3. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
4. Rotate the PUSH – SELECT knob to select F.I.P.S.
5. Press **PUSH – SELECT**, and the F.I.P.S options appears.



3-A-1. F.I.P.S.- If you select NEW-

1. When you press **PUSH – SELECT** at **NEW**, the following screen appears.

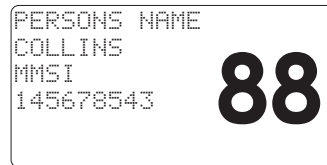


2. You can enter the FIPS code. Rotate the Channel/Select knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when **PUSH – SELECT** is pressed, and the blinking digit moves to the next digit. When you finished entering the last digit, the following confirmation screen appears and you can select either "YES" or "NO".



3-A-2. If you select EDIT

1. When you press **PUSH – SELECT** at the code number that you inputted in previous, you can edit the number that you selected.



2. You can enter the correct the FIPS code. Rotate the Channel/Select knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when **PUSH – SELECT** is pressed, and the blinking digit moves to the next digit.

3-A-3. If you select **DELETE**

1. When you press **PUSH – SELECT** at **DELETE**, the following screen appears.
2. You can enter the correct the FIPS code. Rotate the Channel/Select knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when **PUSH – SELECT** is pressed, and the blinking digit moves to the next digit.

After you selected either answer and press **PUSH – SELECT**, it returns to the FIPS menu screen.

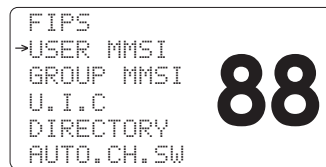
Select the number that you want to delete, and press **PUSH – SELECT**. When confirmation screen appears, select the either answer and press **PUSH – SELECT**.

3-B. USER M.M.S.I

A MMSI is a nine-digit number used on Marin Transceivers capable of using Digital Selective Calling (DSC). This number is used like a telephone number to selectively call other vessel.

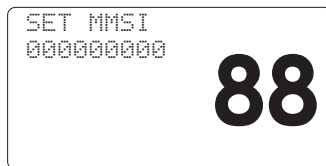
To set USER MMSI code

1. Press **Menu** key
2. Rotate the PUSH – SELECT knob to select SETUP.
3. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu appears.
4. Rotate the PUSH – SELECT knob to select USER MMSI, and Press **PUSH – SELECT**, and then following screen appears.
5. You can enter the USER MMSI code. Rotate the Channel/Select knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when PUSH – SELECT is pressed, and the blinking digit moves to the next digit.
6. After the final digit is selected, the confirmation screen appears, and you can select either answer by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.



```

FIPS
->USER MMSI  88
GROUP MMSI
U.I.C
DIRECTORY
AUTO.CH.SW
    
```



```

SET MMSI
000000000  88
    
```

Note: You can program only twice, and you need to send Polaris back to Uniden to be programmed.

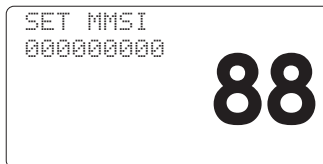
3-C. GROUP MMSI

1. Press **Menu** key
2. Rotate the PUSH – SELECT knob to select SETUP.
3. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu appears.
4. Rotate the PUSH – SELECT knob to select GROUP MMSI, and Press **PUSH – SELECT**, and then following screen appears.
5. You can enter the GROUP MMSI code. Rotate the Channel/Select knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when PUSH – SELECT is pressed, and the blinking digit moves to the next digit.
6. After the final digit is selected, the confirmation screen appears, and you can select either answer by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.



```

FIPS
->USER MMSI
GROUP MMSI
U.I.C
DIRECTORY
AUTO.CH.SW
88
    
```



```

SET MMSI
000000000
88
    
```

Note: You can program only twice, and you needs to send Polaris back to Uniden to be programmed.

3-D. U.I.C

The Polaris can transmit and receive, USA, Canada, and International frequencies. To change the selected set of frequencies use Channel/Select knob.

1. When you turn the Polaris on, the USA frequencies are automatically selected.
2. Press **Menu** and use the **Channel/Select** knob to move the arrow to SETUP.
3. Press the **Channel/Select** knob and rotate it to move the arrow to the U.I.C. option.
4. Press the **Channel/Select** knob and rotate it to move the arrow to the desired option of USA., INT or CAN.
5. Press the **Channel/Select** knob. The radio will return to the channel display screen.

3-E. DIRECTORY

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
3. Rotate the PUSH – SELECT knob to select DIRECTORY.
4. Press **PUSH – SELECT**.

3-E-1. NEW

If you select NEW-

1. When you press **PUSH – SELECT** at **NEW**, following screen appears.

PERSONS NAME	
MMSI	88
000000000	

2. You can enter the PERSONS NAME by rotating the PUSH – SELECT, and press **PUSH – SELECT** to decide the alphabet.

3. After you entered PERSONS NAME, you can enter the DIRECTORY code. Rotate the PUSH – SELECT knob clockwise to increase the number, counterclockwise to decrease. The number will be decided when PUSH – SELECT is pressed, and the blinking digit moves to the next digit.

4. After the DIRECTORY data is inputted, confirmation screen appears, and you can select either answer by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.

PERSONS NAME	
COLLINS	88
MMSI	
145678543	
→YES	
NO	

3-E-2. EDIT

1. When you press **PUSH – SELECT** at **EDIT**, following screen appears.

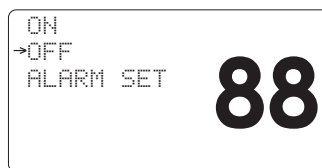
NEW	
→KENT NEUMAN	88
JIM CASSIDY	
EXIT	

2. You can select the data that you want to EDIT by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.

3. After you selected the person's name, confirmation screen shows up. If you selected "YES", you can edit the name that you selected.

3-E-3. DELETE

1. When you press **PUSH – SELECT** at **DELETE**, following screen appears.



2. You can select the data that you want to DELETE by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.

3. After you selected the person's name, confirmation screen shows up. If you selected "YES", you can delete the name that you selected.

3-F. POS.REPLY

When other Polaris requested the position data, you can decide to transmit the ACK automatically or manually.

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
3. Rotate the PUSH – SELECT knob to select POS.REPLY.
4. Press **PUSH – SELECT**, and following screen appears.

If Polaris is set to POS.REPLY OFF, you can select either SEND or CANCEL.

If Polaris is set to POS.REPLY ON, it will automatically reply to the request, and COMPLETED appears.

3-G. WHAM

You can setup the WHAM in this setup.

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
3. Rotate the PUSH – SELECT knob to select WHAM.
4. Press **PUSH – SELECT**, and following screen will appear.

3-G-1. BASE ID

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

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

After the BASE ID is inputted, confirmation screen appears, and you can select either answer by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.

3-G-2. LINK CH

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

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

After the LINK CH is inputted, confirmation screen appears, and you can select either answer by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.

3-H. CH TAG

This feature allows user to name each MRN channel.

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
3. Rotate the PUSH – SELECT knob to select CH TAG.
4. Press **PUSH – SELECT**, and following screen appears.

3-H-1. EDIT

1. When you press **PUSH – SELECT** at **CH TAG**, following screen appears.
2. You can select the data that you want to EDIT by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.
3. After you selected the channel, EDIT, DELETE, or EXIT appears. Select EDIT and press **PUSH – SELECT** knob.
4. You can input the name with PUSH – SELECT knob. Rotate the PUSH – SELECT knob clockwise or counterclockwise to select the alphabet. The number will be decided when PUSH – SELECT is pressed, and the blinking digit moves to the next digit.
5. After you edited the person's name, confirmation screen shows up. If you selected "YES", the name that you have edited is confirmed.

3-H-2. DELETE

1. When you press **PUSH – SELECT** at **CH TAG**, following screen appears.
2. You can select the data that you want to DELETE by rotating PUSH – SELECT knob, and press **PUSH – SELECT**.
3. After you selected the channel, EDIT, DELETE, or EXIT appears. Select DELETE and press **PUSH – SELECT** knob.
4. You can input the name with PUSH – SELECT knob. Rotate the PUSH – SELECT knob clockwise or counterclockwise to select the alphabet. The number will be decided when PUSH – SELECT is pressed, and the blinking digit moves to the next digit.
5. After you deleted the person's name, confirmation screen shows up. If you selected "YES", the name that you have deleted is confirmed.

3-I. AUTO. CH. SW

1. Press **Menu** key
2. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
3. Rotate the PUSH – SELECT knob to select AUTO.CH.SW.
4. Press **PUSH – SELECT**, and following screen will appear.
5. Default is set as "ON"

3-J Time Offset

This feature sets the time difference between local time and UTC Time is displayed when position (LAT/LON) is displayed by pressing the **POS** key.

1. Press **Menu** key
2. Rotate the PUSH – SELECT knob to select SETUP.
3. Press **PUSH – SELECT** at **SETUP**, then the SETUP menu will appear.
4. Rotate the PUSH – SELECT knob to select TIME OFFSET
5. Press **PUSH – SELECT**, and the TIME OFFSET.

Rotate the PUSH – SELECT knob to select either STANDAD or DAYLITE SAV.

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.

Optional Accessories

- Flush mounting bracket for "in dash" installation.
- Contact your Uniden Dealer for information.

VHF FM Marine Radio Telephone Channel and Functions (USA Channels)

CHANNEL DESIG	FREQUENCY (MHz)		TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
	TRANSMIT	RECEIVE				
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	161.600	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)		TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
	TRANSMIT	RECEIVE				
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	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'l,Duplex	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.

VHF FM Marine Radio Telephone Channel and Functions (Canadian Channels)

CHANNEL DESIG	FREQUENCY (MHz)		TYPE OF TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
	TRANSMIT	RECEIVE				
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	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	156.175	156.175				
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.

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 (Dual 7 segment)
Selector Switch	: Channel Selector switch
Buttons	: WX, 16/9, MEM, H/L, and STEP
Connectors	: Antenna, remote speaker, 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, EXT SP PLUG (ø3.5), 2 Terminals for PA
Antenna Impedance	: 50 Ω nominal
Microphone	: Rugged 2 k Ω 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	: 42 dB@300 Hz, 3 kHz (nominal)
Audio Distortion	: Less than 3% with 3 kHz deviation with 1000 Hz modulating frequency (nominal)
Spurious Suppression	: -56 dB @ 1 watt, -65 dB @ 25 watts
Output Power Stabilization	: Built-in automatic level control (ALC)
Frequency Range	: 156 to 158 MHz
Frequency Stability	: ± 0.79 kHz @ -20°C to + 50°C

Receiver

Frequency Range	: 156 to 163 MHz
Sensitivity	: 0.25 μ V for 12 dB SINAD, 0.35 μ V for 20 dB S/N
Circuit	: Dual Conversion Super Heterodyne PLL
Squelch Sensitivity	: 0.5 μ V Threshold
Spurious Response	: 60 dB
Adjacent Channel Selectivity	: 60 dB @ ± 25 kHz
Audio Output Power	: 3.0 watts (10% Distortion)
Power Requirement	: 230 mA @ 13.8V DC squelched, 0.7A @ 13.8V DC at maximum audio output
IF Frequencies	: 1st -16.9 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 Tx 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 FC technical compliance of your radio.
- You are urged to arrange for periodic performance checks with your Uniden Marine dealer.

Symptom Cause Remedy

Won't power on. No or low voltage. Check for proper voltage getting to the set.

Reverts to Ch. 16 when Tx key is pressed. Low current or voltage. Connect to a source of 12 VDC 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".

NOTE

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) 253-3874, 8 AM to 5 PM Central,
Monday through Friday**

Thank you for purchasing a Uniden Marine Radio.

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