## SOLARA WHF UNIDEN MARINE RADIO

### owner's manual



## **Uniden**<sup>®</sup>

#### **Maritime Radio Services Operation**

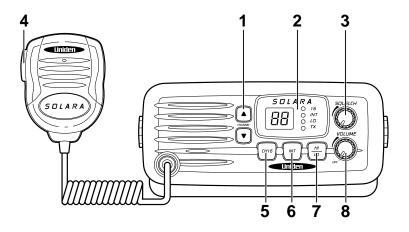
#### Warning!

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.

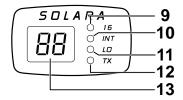
#### **Controls and Indicators**

#### **Controls**



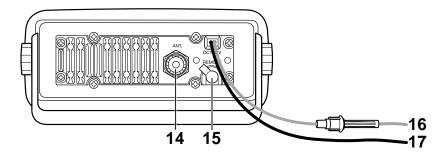
- ▲/▼ CHANNEL Selectors These controls are used to select the desired communication channel.
- LED Display Indicators for Channel Number, 16, INT, 1W and TX.
- SQUELCH Controls the background noise when a signal is not received.
- 4. **PTT (Push-to-Talk) Switch** Press to transmit and release to receive.
- 5. **CH16** Controls instant access to Channel 16 communications.
- INT (USA/International) Switches operation between US and International Channels.
- HI/LO Controls transmitter's output power between 1 watt and 25 watt.
- 8. **VOLUME/On/Off** Turns the **SOLARA** power on or off and adjusts the volume.

#### **Indicators**



- 9. **16** Indicates that Channel 16 is selected.
- 10. **INT** Indicates International Channel Mode.
- 11. **LO** Indicates transmitted output is 1 Watt.
- 12. **TX (Transmit)** Indicates PTT switch is pressed.
- LED Numerical Channel Display Indicates Channel Number in use. Weather Channels are displayed as single digits (Example: 0, 1, 2, 3, etc.). Communication Channels are displayed as two digits (Example: 01, 02, 03, etc.).

#### **Rear Panel Connectors**



- 14. **ANT. (Antenna) Connector** Connect the antenna here using a PL259 type connector.
- 15. **REMOTE Speaker Connector** An external 4 ohm, 4 watt speaker may be connected to this jack. The connecting wire must use the included 3.5mm miniature plug.
- DC Power Cord with In-line Fuse Holder Connect red power lead to positive power source.
- DC Ground Cord Connect black power lead to negative power source.

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#### Introduction

The Uniden **SOLARA** VHF marine radio transceiver is designed to provide you with years of trouble-free service. It's rugged components and materials are easily capable of withstanding the harsh marine environment. The transceiver has a splashproof housing to protect the electronics, and the unit may be mounted in several convenient locations on-board your vessel using the universal mounting bracket.

You can be confident in your choice of radio equipment because the **SOLARA** offers Instant Channel 16 access, automatic transmitter timeout, and coverage of the marine frequency band. It will meet your communication needs by providing you with state-of-the-art radio electronics that are easy to operate.

We are certain that you will enjoy your **SOLARA**. To ensure that you get the most from its features, please read this operating guide carefully before using the unit.

#### **Features**

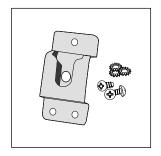
- Receives 90 Marine Channels
- HI(25W)/LO(1W) Transmitter
- Instant Channel 16 Button
- 5 Minute Transmitter Time-Out
- USA/INT Frequency Capable
- Receives 10 Weather Channels
- Transmits 54 Marine Channels
- External Speaker Jack
- Splash Proof Chassis
- Channel Auto Repeat

Specifications, features, and availability of optional accessories are all subject to change without prior notice.

## **Included with your SOLARA**



SOLARA Owner's Manual



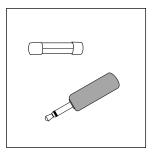
Microphone Hanger and Screws



Other Printed Material



Mounting Bracket and Knobs



3.5mm Mini Plug and Spare Fuse

#### Installation

**Caution:** The **SOLARA** will operate only with nominal 12 volt negative ground battery systems.

#### Selecting a Location

Before choosing a location for your new **SOLARA**, review these guidelines:

- Carefully consider the unit's electrical and mechanical mounting requirements, as well as your accessability needs.
- Select a location that allows free air flow around the heat sink in the back of the radio.
- Select a location that is free from spray and splash and doesn't expose your radio to direct sunlight.
- Keep the battery leads as short as possible, and for best results connect directly to the battery. If the supplied power lead isn't long enough to reach the battery, extensions should be made with at least #10 AWG wire.
- Choose a location for the radio and auxiliary speaker (if installed) that is away from the ship's compass.

#### **Antenna Considerations**

Many different antennas are available for your radio. We recommend that you consult with your Uniden dealer in determining a suitable antenna for your vessel and range requirements.

In general when choosing or installing your antenna, consider these guidelines:

- The range increases with the antenna placed as high as possible above the water line.
- The antenna should not have an excessively long coaxial feed cable.
- The antenna should be located away from metal objects.

#### **Engine Noise Suppression**

The **SOLARA** has been designed to minimize ignition and alternator noise. However, in some installations it may be necessary to take additional steps to help eliminate noise interference. During installation, try to direct the DC battery wires, the antenna lead, and accessory cables away from the engine compartment or ignition and alternator wiring.

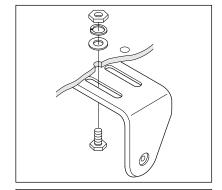
If the noise continues, it may be necessary to install a noise suppression kit. Contact your Uniden dealer for more information.

#### Installing the SOLARA

After choosing a location, position the radio (with the bracket, microphone, power cord, antenna cable, and external speaker lead, if installed) to make sure it fits. Then follow these steps:

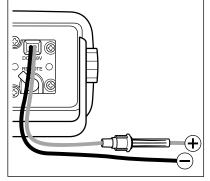
- Using the bracket as a template, mark the holes for the mounting hardware.
- Drill the holes and mount the bracket with hardware appropriate for the mounting surface.

**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.



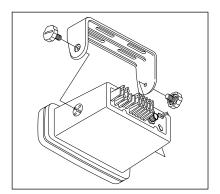
 Connect the red power lead to the positive (+) battery terminal or to an accessory contact in your vessel's fuse box.

**Note:** The power cord is equipped with a 6-ampere fast blow fuse to protect your radio. Use only a 6-ampere replacement fuse.



- 4. Connect the black wire of the power cord to the negative (–) battery terminal or to a ground source in your vessel's fuse box.
- Install the radio in the mounting bracket and connect the antenna cable and accessories to their appropriate jacks and connectors.

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



#### **Operation**

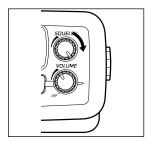
#### **Setting the Squelch**

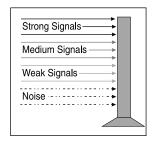
 To turn the unit ON, rotate VOLUME clockwise. Adjust volume to a comfortable level.



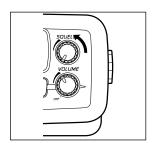
**Note:** You must select a channel which is not in use before setting the **SQUELCH** control on your radio.

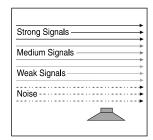
 Think of the Squelch control as a gate. If you turn SQUELCH fully clockwise it raises the "Squelch Gate" so high that no signals get through.



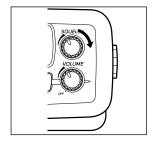


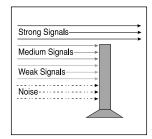
3. If you turn **SQUELCH** fully counterclockwise it lowers the "Squelch Gate" so that everything gets through — noise, weak signals, and strong signals.





 To set the "Squelch Gate" to the 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.





#### **Selecting a Channel**

1. When you turn on your **SOLARA**, it is automatically on Channel 16.



2a. Press ▲, to select a higher channel,

- or -



2b. Press ▼, to select a lower channel.



**Note:** Each time  $\blacktriangle$  or  $\blacktriangledown$  is pressed, a short tone sounds.

#### **Channel Auto Repeat**

To quickly change channels, press and hold  $\blacktriangle$  or  $\blacktriangledown$ . This changes channels at five per second.

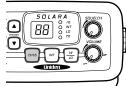
#### **Instant Channel 16 Communications**

You can access Channel 16 instantly while tuned to another channel using the **CH16** button.

1. For example, suppose you are on Channel 63.



Press CH16.



3. Press **CH16** again, to return to the previous channel.



**Note:** Each time **CH16** is pressed a short tone sounds.

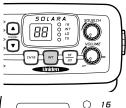
#### **USA/INT Channels**

The **SOLARA** can transmit and receive both USA and International frequencies. To change the selected set of frequencies use **INT**.

 When you turn the SOLARA on, the USA frequencies are automatically selected.



2. Press **INT**, to change to the international frequencies.



3. Press **INT** again, to return to the USA frequencies.



**Note:** Each time **INT** is pressed a short tone sounds.

#### **Transmitting**

The **SOLARA** transmits on 54 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 USA frequencies — are receive only. Your radio will not transmit on these channels. For your reference, a listing of all the available marine channels is printed on the back cover foldout.

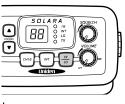
#### **Setting TX Output**

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

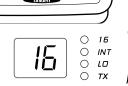
 When you turn the SOLARA on, the unit is automatically set to transmit at 25 watts.



Press HI/LO, to change the transmitter output to 1W.



3. Press **HI/LO** again, to change back to the higher power setting.



**Note:** Each time the **HI/LO** key is pressed a short tone sounds.

#### **Emergency High Power Override**

The FCC has limited transmission power to 1W on channels 13 and 67, except in emergencies. These channels are set automatically to **LO** when selected.

For example, you are on Channel 13.



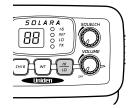
If necessary, you can override the  ${f LO}$  power output setting during an emergency situation.

**Warning:** This is an emergency procedure and should be used accordingly.

1. Press the **PTT** button on your microphone.



- 2. Press and hold HI/LO.
- 3. Releasing the **HI/LO** returns to **LO** output.



#### Transmitting with the SOLARA

Press the PTT button, to activate the transmitter.



- Release the PTT button, to end the transmission.
- Note: If the **PTT** button is held down and the power is turned on, a warning tone sounds, the **CH LED display** begins to flash, and the unit will not transmit. The **SOLARA** resets for normal operation when the **PTT** button is released.

#### **Transmitter Time-Out**

If the **PTT** button on your microphone is held for more than 5-minutes, the **SOLARA** transmitter automatically shuts off, a warning tone sounds, and the **TX LED display** begins to flash. This prevents damage to your receiver, and — in the event that the transmission is unintentional — communication frequencies will not be jammed.

## Troubleshooting

If the **SOLARA** 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.
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 **SOLARA** is a precision piece of electronic equipment and you should treat it accordingly. Its rugged design requires very little maintenance; however, these precautions should be observed:

- If your radio has been accidentally sprayed or splashed, 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.

Since you are responsible for the continued FCC technical compliance of your radio, we recommend that you arrange for periodic performance checks with your Uniden Marine Dealer.

#### **Replacement Parts**

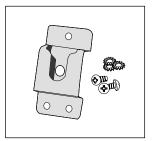
These replacement parts are available for your **SOLARA** by contacting your Uniden dealer or Uniden America Corporation.



Owner's Manual



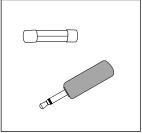
Other Printed Material



Microphone Hanger and Screws



Mounting Bracket and Knobs



3.5mm Mini Plug and Spare Fuse

#### Service

Should you find it desirable or necessary to service your **SOLARA**, we suggest you contact the Uniden dealer where your purchase was made. Your dealer will be able to assist you with complete service information.

If you require service that is within the terms of your warranty you should present a copy of your receipt to your dealer to authenticate your claim.

If you find it inconvenient to obtain service assistance from a dealer, you may obtain service from the Factory Service Station. If you want factory service, please pack your radio in a suitable container that will provide adequate protection, enclose a note describing the problem and a copy of your receipt, and send the radio (transportation prepaid) to:

Uniden America Corporation 4700 Amon Carter Blvd. Ft. Worth, TX 76155 (800) 235-3874, 8 a.m. to 5 p.m. Central, Monday through Friday

#### **Specification**

General

Channels Transmit 54

Receive 80 Marine

10 Weather

Controls ON/OFF/Volume, Squelch

Status Indicators 16, INT, LO, TX LED (transmit)

Channel Display LED (Dual 7 segment) Channel Selector UP/DWN select keys **Buttons** CH16, INT, HI/LO

Connectors Antenna and remote speaker Size 82mmH x 189mmW x 207mmL 1.2 kg (with Microphone) Weight Supply Voltage 13.8V DC negative ground

Antenna Impedance  $50\Omega$ , nominal

Condenser Microphone with curl cord (Impedance  $2k\Omega)$ Microphone

1.82 inch, 8Ω

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

Speaker

Power Output 1 watt or 25 watt (switch selectable) Power Requirement 1.0A at 13.8V DC 1 watt output: 25 watts output:

4.5A at 13.8V DC Modulation FM ±5 kHz deviation (FCC designator F3E)

Signal-to-Noise 45 dB at 3 kHz Audio Distortion Less than 5% with 3 kHz deviation with 1000 Hz

modulating frequency

Spurious Suppression -60 dB at 1 watt. -65 dB at 25 watts Output Power Stabilization Built-in automatic level control (ALC)

Frequency Range 156 to 158 MHz Frequency Stability: ±300 Hz nominal

Receiver

156 to 163 MHz Frequency Range

Sensitivity 0.25μV for 12 dB SINAD  $0.35\mu V$  for 20 dB S/N

Dual Conversion Super Heterodyne PLL Circuit

Squelch Sensitivity 0.2μv Threshold 60 dB Spurious Response

70 dB at ±25 kHz Adjacent Channel Selectivity

Audio Output Power 4.0 watts (10% Distortion) into a 4  $\Omega$  load

Power Requirement 0.3A at 13.8V DC squelched

0.8A at 13.8V DC at maximum audio output

IF Frequencies

1st - 16.9 MHz 2nd - 455 kHz

#### 3 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, 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

# VHF FM Marine radiophone Channels and Functions (International Channels)

CHANNEL	FREQUEN	NCY (MHz)	TYPE OF	SHIP	SHIP
DESIGN	TRANSMIT	RECEIVE	TRAFFIC	TO SHIP	TO SHORE
WXO	-	163.275	NOAA Weather	RX Only	RX Only
WX1	_	162.550	NOAA Weather	RX Only	RX Only
WX2	_	162.400	NOAA Weather	RX Only	RX Onlý
WX3	_	162.475	NOAA Weather	RX Only	RX Only
WX4	_	162.425	NOAA Weather	RX Only	RX Only
WX5	_	162.450	NOAA Weather	RX Only	RX Only
WX6	_	162.500	NOAA Weather	RX Only	RX Only
WX7 WX8	_	162.525	NOAA Weather Can. Weather	RX Only	RX Only
WX9		161.650 161.775	Can. Weather	RX Only RX Only	RX Only RX Only
01	156.050	160.650	VTS	Yes	Yes
02	156.100	160.700	Port Ops	Yes	Yes
03	156.150	160.750	Port Ops	Yes	Yes
04	156.200	160.800	Port Ops	Yes	Yes
05	156.250	160.850	VTS '	Yes	Yes
06	156.300	156.300	Safety	Yes	No
07	156.350	160.950	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
10	156.500	156.500	Com'l	Yes Yes	Yes
11 12	156.550 156.600	156.550 156.600	Com'l Port Ops	Yes Yes	Yes Yes
13	156.650	156.650	Navigational	Yes Yes	Yes Yes
14	156.700	156.700	Port Ops	Yes	Yes
15	156.750	156.750	Environmental	Yes	Yes
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	Yes	Yes
19	156.950	161.550	Com'l	Yes	Yes
20	157.000	161.600	Port Ops	Yes	Yes
21	157.050	161.650	Coast Guard	Yes	Yes
22	157.100	161.700	Coast Guard	Yes	Yes
23 24	157.150 157.200	161.750 161.800	Coast Guard Public Corresp	Yes No	Yes Yes
25	157.250	161.850	Public Corresp	No	Yes
26	157.300	161.900	Public Corresp	No	Yes
27	157.350	161.950	Public Corresp	No	Yes
28	157.400	162.000	Public Corresp	No	Yes
60	156.025	160.625	· ·		
61	156.075	160.675			
62	156.125	160.725			
63	156.175	160.775			
64 65	156.225	160.825	Port One	Yes	Voc.
66	156.275 156.325	160.875 160.925	Port Ops Port Ops	Yes Yes	Yes Yes
67	156.375	156.375	Com'l	Yes	No I
68	156.425	156.425	Non Com'l	Yes	Yes
69	156.475	156.475	Non Com'l	Yes	Yes
70		156.525	DSC	No	No
71	156.575	156.575	Non Com'l	Yes	Yes
72	156.625	156.625	Non Com'l	Yes	No
73	156.675	156.675	Port Ops	Yes	Yes
74	156.725	156.725	Port Ops	Yes	Yes
77 78	156.875	156.875	Port Ops	Yes	No
78 79	156.925 156.975	161.525 161.575	Non Com'l Com'l	Yes Yes	Yes Yes
80	157.025	161.625	Com'l	Yes	Yes
81	157.025	161.675	Coast Guard	Yes	Yes
82	157.125	161.725	US Govt Only	Yes	Yes
83	157.175	161.775	Coast Guard	Yes	Yes
84	157.225	161.825	Public Corresp	No	Yes
85	157.275	161.875	Public Corresp	No	Yes
86	157.325	161.925	Public Corresp	No	Yes
87	157.375	161.975	Public Corresp	No	Yes
88	157.425	162.025	Com'l	Yes	No
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## VHF FM Marine radiophone Channels and Functions (USA Channels)

CHANNEL	FREQUEN	NCY (MHz)	TYPE OF	SHIP	SHIP
DESIGN	TRANSMIT	RECEIVE	TRAFFIC	TO SHIP	TO SHORE
WX0	-	163.275	NOAA Weather	RX Only	RX Only
WX1	_	162.550	NOAA Weather	RX Only	RX Only
WX2	_	162.400	NOAA Weather	RX Only	RX Only
WX3 WX4	_	162.475 162.425	NOAA Weather NOAA Weather	RX Only RX Only	RX Only RX Only
WX5	_ _ _	162.450	NOAA Weather	RX Only	RX Only
WX6	_	162.500	NOAA Weather	RX Only	RX Only
WX7	_	162.525	NOAA Weather	RX Only	RX Only
WX8	_	161.650	Can. Weather	RX Only	RX Only
WX9	_	161.775	Can. Weather	RX Only	RX Only
01	156.050	156.050	VTS	Yes	Yes
02	156.100	156.100	Port Ops	Yes	Yes Yes
03	156.150 156.200	156.150 156.200	Port Ops Port Ops	Yes Yes	Yes Yes
05	156.250	156.250	VTS	Yes	Yes
06	156.300	156.300	Safety	Yes	No
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
10	156.500	156.500	Com'l	Yes	Yes
11 12	156.550 156.600	156.550 156.600	Com'l Port Ops	Yes Yes	Yes Yes
13	156.650	156.650	Navigational	Yes	Yes
14	156.700	156.700	Port Ops	Yes	Yes
15	-	156.750	Environmental	RX Only	RX Only
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 21	157.000 157.050	161.600 157.050	Port Ops Coast Guard	Yes Yes	Yes Yes
22	157.100	157.100	Coast Guard	Yes	Yes
23	157.150	157.150	Coast Guard	Yes	Yes
24	157.200	161.800	Public Corresp	No	Yes
25	157.250	161.850	Public Corresp	No	Yes
26	157.300	161.900	Public Corresp	No	Yes
27	157.350	161.950	Public Corresp	No	Yes
28	157.400 156.025	162.000 156.025	Public Corresp	No	Yes
61	156.075	156.025			
62	156.125	156.125			
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 No
67 68	156.375 156.425	156.375 156.425	Com'l Non Com'l	Yes Yes	No Yes
69	156.425	156.425	Non Com'l	Yes	Yes
70	-	156.525	DSC	No	No
71	156.575	156.575	Non Com'l	Yes	Yes
72	156.625	156.625	Non Com'l	Yes	No
73	156.675	156.675	Port Ops	Yes	Yes
74 77	156.725	156.725	Port Ops	Yes Yes	Yes No
77	156.875 156.925	156.875 156.925	Port Ops Non Com'l	Yes Yes	No Yes
79	156.975	156.975	Com'l	Yes	Yes
80	157.025	157.025	Com'l	Yes	Yes
81	_	157.075	Coast Guard Aux	No	No
82	157.125	157.125	US Govt Only	Yes	Yes
83	-	157.175	Coast Guard Aux	No	No
84	157.225	161.825	Public Corresp	No No	Yes Yes
85 86	157.275 157.325	161.875 161.925	Public Corresp Public Corresp	No No	Yes Yes
87	157.325	161.925	Public Corresp Public Corresp	No No	Yes
88	157.425	157.425	Com'l	Yes	No
			-		-

Thank you for purchasing a Uniden Marine Radio.

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