

Uniden®

Atlantis 200

TWO-WAY VHF MARINE RADIO

RADIO VHF MARITIME



OWNER'S MANUAL
GUIDE D'UTILISATION

Making a Distress Call

For future reference, write your boat's name & call sign here:

Speak slowly - clearly - calmly.

1. Make sure your radio is on.
2. Press the **16/9-TRI** button to switch to Channel 16 (156.8 MHz). (If the display does not show 16, press the **16/9-TRI** button again until it does.)
3. Press the **PUSH TO TALK** button and say: **"MAYDAY -- MAYDAY -- MAYDAY."**
4. Say **"THIS IS {name of your boat (three times) and call sign/boat registration number (once)}."**
5. Repeat **"MAYDAY {name of your boat}"** once.
6. Tell where you are: (what navigational aids or landmarks are near, or read the latitude and longitude from your GPS).
7. State the nature of your distress (e.g. sinking, medical emergency, man overboard, on fire, adrift, etc.).
8. State the type of assistance you need (medical, towing, pumps, etc.).
9. Give the number of persons aboard and describe the condition of any injured persons.
10. Estimate present seaworthiness of your ship (e.g. how immediate is the danger due to flooding or fire).
11. Briefly describe your ship, giving ship name (i.e., "Blue Duck is 32 foot cabin cruiser, white hull, blue deck house").
12. Say: **"I WILL BE LISTENING ON CHANNEL 16."**
13. End the message by saying **"THIS IS {name or call sign of your boat}, OVER."**
14. Release the **PUSH TO TALK** button and listen.
15. If you do not get an answer after 30 seconds, repeat your call beginning at step 3 above.

Faire un appel de détresse

Pour toute référence ultérieure, transcrivez ci-dessous le nom et l'indicatif d'appel de votre bateau:

Parlez lentement – clairement – calmement.

1. Vérifiez si votre radio est en marche.
2. Appuyez sur la touche **16/9-TRI** du microphone afin de commuter au canal 16 (156,8 MHz). (Si le canal 16 n'apparaît pas à l'affichage, appuyez de nouveau sur la touche **16/9-TRI** jusqu'à ce qu'il soit affiché.)
3. Appuyez sur le bouton de microphone **PUSH TO TALK** et dites: **"MAYDAY -- MAYDAY -- MAYDAY"**.
4. Donnez l'identité de votre navire en disant : **"ICI {nom de votre bateau (trois fois) ou indicatif d'appel et le numéro d'identification de votre bateau (une fois)}"**.
5. Dites **"MAYDAY {nom ou indicatif d'appel de votre bateau} une fois"**.
6. Donnez votre position : (quels sont les points de repère ou aides à la navigation près de vous ou lisez les coordonnées de longitude et de latitude apparaissant sur votre dispositif GPS).
7. Révélez la nature de votre détresse (par exemple, nous sommes en train de couler, urgence médicale, un homme à la mer, un incendie, nous sommes à la dérive, etc).
8. Révélez la nature de l'aide désirée (médicale, remorquage, essence, etc.)
9. Donnez le nombre de personnes à bord et les conditions des blessés, s'il y en a.
10. Donnez la condition de navigabilité actuelle de votre navire, tel que le degré de l'urgence par rapport une inondation, et une incendie.
11. Donnez une brève description de votre navire en donnant le nom du bateau (par exemple, "Blue Duck est un yacht de croisière de 32 pieds, avec une coque blanche et un rouffle bleu.).
12. Dites : **"JE VAIS ÉCOUTER SUR LE CANAL 16"**.
13. Terminez le message en disant **"ICI {nom ou indicatif d'appel de votre bateau}, À VOUS"**.
14. Relâchez le bouton **PUSH TO TALK** du microphone et écoutez.
15. Si vous n'obtenez pas de réponse après 30 secondes, répétez l'appel en commençant à l'étape 3 ci-dessus.

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Introduction

The Atlantis 200 is a waterproof, portable two-way VHF transceiver. It is compact, lightweight, rugged and fits easily in your hand. This marine radio will give you consistent, outstanding performance in virtually all conditions and situations.

Your radio has many important and valuable features. To ensure that you get the most from these features, please read this operating guide carefully before using the unit.

Features

- Triple Watch Mode
- Priority Channel Startup (Channel 16)
- Programmable Memory
- One-Touch Channel 16/9
- 10 Weather Channels
- Weather Alert
- Memory Scan
- USA, International, and Canadian Channels
- Operates from 6 rechargeable Ni-MH AAA batteries (included)
- Optionally operates from 6 AAA alkaline batteries (not included)
- Battery Save Operation
- Battery Level Indicator and Battery Low Alert — sounds every 5 seconds at Level 0 (flashing)
- Key Lock
- Backlit Keys and Display
- Belt Clip
- Wrist Strap
- TX Power **LO**: 1 W or **HIGH**: 3.5 W
- Optional external Speaker and Mic usable

Included in Your Package



ATLANTIS 200



Antenna
(BATG0565001)



Wrist Strap
(RLET4C1661Z)



Belt Clip
(GBCT4E3473Z)



AC Adapter
(BADG1194001)



Optional DC Adapter
(BWZG1891001)



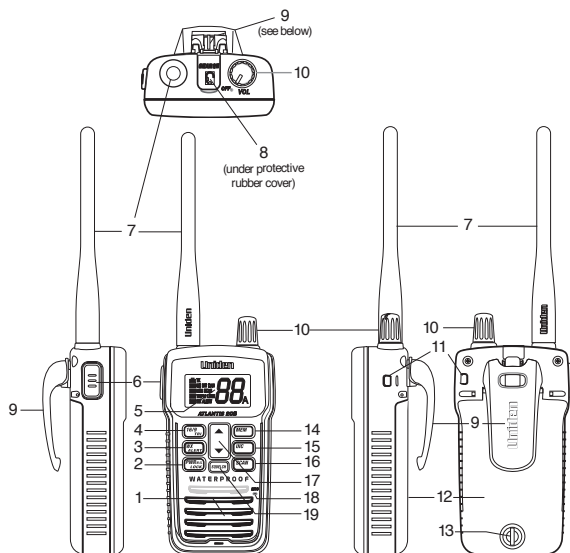
6 AAA Ni-MH
Rechargeable Batteries
(BBTG0895001)

Owners Manual (Not Shown)



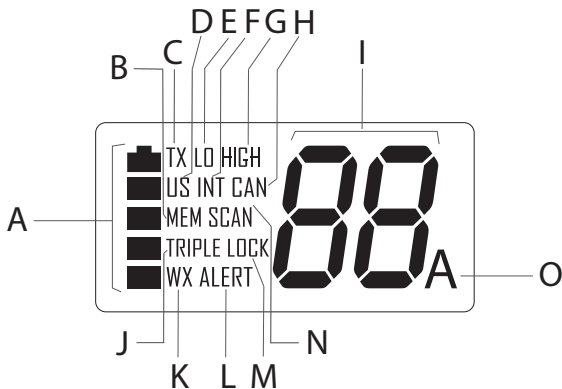
If any of these items are missing or damaged, contact Uniden Customer Service (see back cover for contact information). For information on available accessories, visit www.uniden.com.

Controls and Indicators



- | | |
|---|------------------------------|
| 1. Speaker | 10. On/Off/Vol Knob |
| 2. PWR H/L - LOCK Key | 11. Lanyard Hole |
| 3. WX - ALERT Key | 12. Battery Case Cover |
| 4. 16/9 - TRI Key | 13. Battery Case Cover Screw |
| 5. LCD Display | 14. MEM Key |
| 6. PTT Button | 15. UIC Key |
| 7. Antenna | 16. SCAN Key |
| 8. Multifunction Jack (Ext. Speaker/Mic/CHARGE) | 17. Up/Down Channel Selector |
| 9. Belt Clip | 18. Microphone |
| | 19. SQUELCH Key |

LCD Display



- A. Battery Level Indicator Icons
- B. Memory (MEM) Indicator
- C. Transmit (TX) Indicator
- D. United States (US) Channel Indicator
- E. LO (1 W) Power Indicator
- F. International (INT) Channel Indicator
- G. HIGH (3.5 W) Power Indicator
- H. Canada (CAN) Channel Indicator
- I. Channel Number Display
- J. Triple Watch (TRIPLE) Indicator
- K. Weather (WX) Mode Indicator
- L. Weather Alert (WX ALERT) Indicator
- M. Key Lock (LOCK) Indicator
- N. Scan Indicator
- O. Channel A Indicator

Getting Started

Attaching the Antenna

1. Place antenna over antenna stub.
2. Thread antenna clockwise until fully seated against mounting base. Hand tighten only.



NOTE

Be sure the antenna is firmly seated.

Set Battery Type

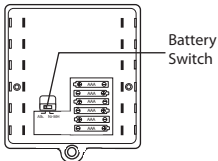
Your radio comes set to **Ni-MH** and with 6 Ni-MH batteries installed.



CAUTION

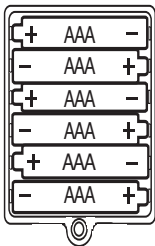
- Always set the battery switch to **Alk.** before installing alkaline batteries.
- Do not recharge alkaline batteries. Doing so can create a safety hazard or damage the radio.
- Always completely fasten screw for a water tight seal.

1. Unfasten battery case cover screw.
2. Lift cover and rotate up.
3. Remove 6 AAA Ni-MH batteries.
4. Slide the switch to **ALK.** (or **Ni-MH** if replacing with Ni-MH batteries).



Install Batteries

1. Unscrew the battery case cover screw.
2. Lift up cover and rotate up.
3. Set the battery type (see above).
4. Install 6 AAA Ni-MH or 6 AAA alkaline (not included) batteries. Be sure to match the polarity (+ and -) as indicated on the battery compartment.
5. Close battery case cover and fasten screw.



Charging Ni-MH Batteries

Your radio is powered by 6AAA rechargeable Ni-MH (included) or 6AAA non-rechargeable alkaline batteries (not included). Before operating your radio, charge the Ni-MH batteries for 14 hours without interruption using the multifunction jack (Ext. Speaker/Mic/CHARGE) on top of the radio located under the rubber protective cap.

Make sure the battery switch is set to **Ni-MH** (see page 6). Also make sure Ni-MH batteries are installed in your radio matching the polarity (+ and -) as indicated on the battery compartment. Make sure your radio is turned off. See note below.

1. Lift up the multifunction jack cover.
2. Plug one end of the AC adapter into the wall outlet and the other end into the multifunction jack.
3. Charge the batteries for 14 hours.



Lift Up Protective Cap

Note: Waterproofing is not guaranteed when the cap is open and during charging.



NOTE

- Radio operation suspends while the unit charges.
- The charger won't overcharge the batteries.
- Fully seat the rubber cap after charging.
- Be sure to turn your radio off before charging.

Battery Level Display

The battery indicator at the left of the LCD screen indicates the battery level (0 to 5) at all times.







When the battery level is at Level 0, the battery indicator flashes and the battery alert sounds every 5 seconds.

The radio shuts off 60 seconds after the alert prior to shutdown.



NOTE

In the event that the radio shuts down, turn the power off before recharging to ensure the radio charges and provides the correct battery level display indication when turned on.

| Battery Level | Icon | Battery Level | Icon |
|--|---|--|---|
| LEVEL 5 100% Full |  | LEVEL 4 Battery Approx.70% Capacity |  |
| LEVEL 3 Battery Approx.50% Capacity |  | LEVEL 2 Battery Approx.20% Capacity |  |
| LEVEL 1 Low Battery (10% or Less) |  | LEVEL 0 Nearly Empty (Flashing) |  |



CAUTION

- You can't transmit if the Battery Indicator shows Level 0 when you press **PTT**.
- As long as you press **PTT**, an error tone sounds and **TX** and **CH** blink.
- It is possible to receive at Level 0.



Attach and Remove Belt Clip

To attach:

1. Position belt clip above its receptacle on the upper back side of the radio.
2. Slide the belt clip down into its receptacle until you hear it click. The belt clip is firmly attached.

To remove:

1. Pull up on the locking tab.
2. Slide the belt clip up and out of its receptacle.



Operation

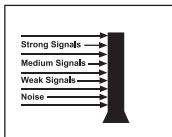
Turn On and Set Squelch

Your radio automatically tunes to channel 16 — the United States Coast Guard frequency for distress, safety, and calling.

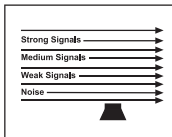
1. Turn **VOL** knob clockwise until you hear a beep.
2. Continue until you hear a hissing sound.
3. Press **SQUELCH** until the hissing stops.



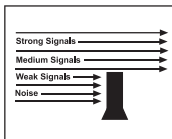
Make sure to first select a channel not in use before setting squelch.



Think of the squelch control as a gate. If you increase the squelch level to maximum, it raises the “Squelch Gate” so only the strongest signals get through.



If you decrease the squelch level to minimum, it lowers the “Squelch Gate” to the extent that weak signals can get through.



If unwanted weak and noisy signals are getting through, increase the squelch level (raise the “Squelch Gate”) to a medium level. Now only medium and strong signals get through.

Your radio’s Squelch has 4 setting level — level 0 to level 3 (Tight):

S0 - monitor mode

S1 - minimum squelch (default)

S2 - medium squelch

S3 - maximum (tight) squelch

1. Press **SQUELCH**. **S** displays and the current squelch level flashes.
2. Press **SQUELCH** while the squelch level displays in order to change the squelch level to the next level.
3. Press and hold **SQUELCH** to save and exit the squelch setting. The unit beeps twice on exit.

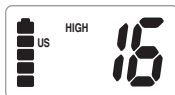


Selecting a Channel

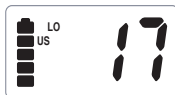
After turning on your radio, press ▲ or ▼ to scroll through the channels individually.

1. To select a higher channel, press ▲.
2. To select a lower channel, press the ▼.

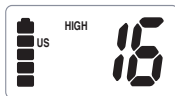
Press and hold ▲ or ▼ for more than 1 second to scroll rapidly through the channel numbers. Refer to page 18 through page 23 for a list of the available channels, corresponding frequencies, and usage guidelines.



↓ [UP]



↓ [DOWN]



Change Channel Mode

Press **UIC** to switch between USA, International, and Canadian Channel modes.

Transmitting and Receiving

The radio uses U.S., Canadian, and International Marine Channels. Refer to page 18 through page 24 for a list of the available channels and corresponding frequencies. The radio's maximum RF transmit power is 3.5 W (HIGH).

1. Hold the radio with microphone approximately 2 inches in front of your mouth with the antenna at approximately a 45° angle

away from your head.

2. Speak in a clear, normal conversational voice.

One-touch Channel 16/9

Monitoring
CH 20, press
16/9 to
monitor CH 16.



Press **16/9**
again to
monitor
CH 9.



Press **16/9** again
to monitor the
original channel
(CH 20).



Triple Watch

Triple Watch mode monitors channels 16 and 9 for a signal while you listen to the currently-selected channel. The marine radio checks channel 16 and 9 for activity every 2 seconds.

1. Press and hold **16/9/TRI** to activate Triple Watch. **TRIPLE** displays.
2. Press and hold **16/9/TRI** again to exit Triple Watch. A double confirmation tone sounds and **TRIPLE** disappears.



NOTE

- While in Triple Watch mode, you can change the currently selected channel using the **▲** or **▼**.
- A momentary press of **16/9/TRI** interrupts Triple Watch mode and the radio remains on channel 16. If you press **16/9/TRI** again, the radio remains on channel 9. To return to the Triple Watch mode, simply press the button again.

Monitoring Weather Channels

Your radio has 10 preprogrammed emergency/weather channel frequencies, shown on the display by **01** through **10**.

1. To listen to the emergency/weather channels in your area, press the **WX/ALERT** button. **WX** appears on the display.
2. To move up, press **▲**.
3. To move down, press **▼**.
4. To exit, press the **WX/ALERT** button. **WX** disappears.



To rapidly move through the channels, press and hold ▲ or ▼ for more than 1 second.

Emergency/Weather Alert

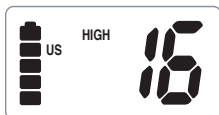
Emergency/Weather Alert allows your radio to function as a severe weather warning radio and will also alert you to any local or national emergencies. If the NOAA issues a warning while this feature is turned On, the radio sounds an alert tone. You will then hear the emergency/ weather broadcast.

1. To use Emergency/Weather Alert, select the emergency/ weather channel in your area.
2. Press and hold the **WX/ALERT** button for 2 seconds. A double confirmation tone sounds.
3. When the unit receives a WX Alert signal, it will sound a siren 3 times to let the user know of a serious impending WX condition.
4. If the radio detects a 1050 Hz tone, the radio's WX channel will flash along with **WX** and **ALERT**.
5. To turn off Emergency/Weather Alert, press and hold **WX/ALERT** for 2 seconds. A double confirmation tone sounds.
6. When Emergency/Weather Alert is activated, the highest priority is given to this function. If the unit is in Scan, Triple Watch, or any other mode or marine channels, it checks the weather alert signals every 7 seconds and switches to the warning receive mode automatically.

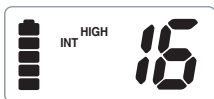


USA, International and Canadian Channels

When you first turn on your radio it sets to United States (US) marine channels.



1. To listen to International marine channels, press the **UIC** button. **INT** appears on the display. To listen to Canadian marine channels, press the **UIC** button again. **CAN** appears on the display.



2. The radio will keep the last mode setting that was selected when turned back on.
3. For USA, International, and Canadian marine channels and functions, refer to the tables starting on page 18.



Programming a Channel into Memory

Before scanning, you must have channels programmed in memory.

1. Press **▲** or **▼** to select a channel.
2. Press **MEM** to store the channel. **MEM** appears on the display.



You cannot program Channel 70 or any of the weather channels into memory.

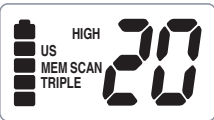
Deleting a Channel from Memory

1. Press **▲** or **▼** to select a channel.
2. Press the **MEM** button. **MEM** disappears.



Scanning

1. To begin scanning the programmed channels, press **SCAN**. **SCAN** and **TRIPLE** appear.
2. To stop scanning, press **SCAN** again. **SCAN** and **TRIPLE** disappear.



from the display.



NOTE

- Scanning starts from the lowest to highest channel and stops when it finds an active channel. It remains on that channel until the transmission ends, then resumes scanning after a 2 second delay period.
- When in the scan mode, the unit automatically activates the Triple Watch feature. To deactivate Triple Watch from the scanning mode, press and hold **16/9/TRI** for 2 seconds. **TRIPLE** disappears from the display.

Transmit

1. Transmission power can be set to 3.5 W (**HIGH**) or 1 W (**LO**). Press **PWR H/L-LOCK** to make the change. The **HIGH** or **LO** indicator on the displays accordingly.
2. To transmit, press and hold **PTT** (push-to-talk). **TX** appears on the display.
3. To return to receive, release **PTT**. **TX** disappears.



NOTE

- If you press **PTT** for more than 3 minutes, **TX** starts blinking and the transmission ends. The TX time out tone sounds when you release **PTT**.
- If the battery indicator Level 0 is flashing when you press **PTT**, the radio will not transmit and the **TX** icon flashes. (see page 7).

Turn On Keypad and Display Light

To light the keypad and the display simultaneously, press any key except **PTT**. Both the display and the keypad illuminate.



NOTE

If you press any key except **PTT** while the display and keypad are illuminated, they remain illuminated for 10 seconds.

Enable or Disable Key Beep

Your radio beeps each time you press a key except **PTT**.

1. To enable key beep, turn the radio off and then on again while pressing and holding the ▲ or ▼ buttons.
2. To disable key beep, turn the radio off and then on again while pressing and holding the ▲ or ▼ buttons.

Key Lock

To prevent accidental entries, you can lock the keypad.

1. Press and hold **LOCK** for 2 seconds. A double confirmation tone sounds. **LOCK** appears on the display.
2. To unlock, press and hold **LOCK** for 2 seconds again. A double beep sounds and **LOCK** disappears.



NOTE

The radio retains Key Lock status even when you cycle power on/off. To unlock the keypad, press and hold **LOCK** again for 2 seconds. **LOCK** disappears.

Maintenance & Troubleshooting

Due to its rugged design, your radio requires very little maintenance. However, it is a precision electronic instrument, so you should follow a few precautions:

- If the antenna has been damaged, do not transmit except in an emergency situation. Transmitting with a defective antenna may cause further radio damage.
- You are responsible for continued FCC technical compliance of your radio.
- You should arrange for periodic performance checks with your Uniden dealer.

Common Questions

| Problem | Things to Try |
|----------------------------|---|
| The radio won't turn on. | Charge the radio. |
| The radio does not charge. | <ul style="list-style-type: none"> • Make sure the Battery Switch is in the Ni-MH position (refer to page 6). • Make sure you installed Ni-MH batteries. • Make sure the AC adapter is fully connected to the multifunction jack. • Replace the batteries. |
| The radio won't transmit. | <ul style="list-style-type: none"> • Make sure you are not in scan mode. • Make sure you are not trying to transmit on a receive-only channel (see the channel lists starting on page 18 through page 24). • Check the battery power level; charge the battery before trying to transmit. • Make sure the duration of each transmission is less than 3 minutes. |

Specifications

| General | |
|-------------------------|---|
| Channels | All US/International/Canada marine channels |
| | 10 Weather channels |
| Frequency Range | 156 ~ 164 MHz |
| Frequency Control | PLL |
| Frequency Tolerance | Transmit: 1.5 PPM (at 77°F/25°C) |
| | Receive: 1.5 PPM (at 77°F/25°C) |
| Operational Temperature | -4°F (-20°C) to +122°F(+50°C) |
| Antenna | Flexible |
| Antenna Impedance | 50Ω |

| | |
|----------------------------|---|
| Microphone | Built-in Electret type |
| Display | Liquid Crystal Display |
| Speaker | 16 Ω , 0.2 W (Rated) |
| Power Source | AAA rechargeable Ni-MH batteries 1.2V , 900 mAh x 6 (7.2 V) AAA alkaline batteries (optional) 1.5V x 6 (9 V) |
| Size (without antenna) | 4.5 (H) x 2.5 (W) x 1.22 (D) inch 116 (H) x 63 (W) x 31 (D) mm |
| Weight | 15.2 oz (430g) without antenna & batteries |
| Transmitter | |
| Frequency Range | 156~158 MHz |
| Frequency Tolerance | ± 0.5 PPM; ± 2.5 PPM (maximum at 25°C) |
| Frequency Stability | ± 3 PPM; ± 10 PPM (maximum) |
| Power Output | 1.0 W & 3.5 W |
| Spurious Emissions | -36 dBc (1 W or 3.5 W); -18 dBm |
| Current Drain | 650 mA (1 W), 1200 mA (3.5 W) |
| Receiver | |
| Type | Double Conversion Super Heterodyne Phase Locked Loop system for Local Osc. |
| Frequency Range | 156~164 MHz |
| Sensitivity | 0.25 μ V for 12 dB SINAD |
| Squelch Sensitivity | Threshold: 0.15 μ V; 0.30 (maximum) Tight: 0.35 μ V; 2.0 (maximum) |
| Audio Frequency Resp. | +6 dB @ 500 Hz -6 dB @ 2000 Hz |
| Adjacent Chan. Selectivity | 79 dB @ ± 25 kHz |
| Hum & Noise Ratio | 53 dB (35 minutes) |
| Audio Output Power | 0.16 W @ 10% THD |
| Current Drain | Squelched: 45 mA; Max. Audio: 160 mA |

Specifications shown are typical and subject to change without notice.

Marine Channels

United States Channels

| United States Marine Channels | | | | |
|-------------------------------|---------|---------|--------------|----------------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 1A | 156.050 | 156.050 | Simplex | Vessel traffic system/commercial |
| 5A | 156.250 | 156.250 | Simplex | Vessel traffic system/commercial |
| 6 | 156.300 | 156.300 | Simplex | Inter-ship safety |
| 7A | 156.350 | 156.350 | Simplex | Commercial |
| 8 | 156.400 | 156.400 | Simplex | Commercial |
| 9 | 156.450 | 156.450 | Simplex | Non commercial |
| 10 | 156.500 | 156.500 | Simplex | Commercial |
| 11 | 156.550 | 156.550 | Simplex | Vessel traffic system |
| 12 | 156.600 | 156.600 | Simplex | Vessel traffic system |
| 13 | 156.650 | 156.650 | Simplex, 1W | Bridge to bridge |
| 14 | 156.700 | 156.700 | Simplex | Vessel traffic system |
| 15 | 156.750 | Inhibit | Receive only | Environmental |
| 16 | 156.800 | 156.800 | Simplex | Distress, safety, and calling |
| 17 | 156.850 | 156.850 | Simplex, 1W | Govt maritime control |
| 18A | 156.900 | 156.900 | Simplex | Commercial |
| 19A | 156.950 | 156.950 | Simplex | Commercial |
| 20 | 161.600 | 157.000 | Duplex | Port operation |
| 20A | 157.000 | 157.000 | Simplex | Port operation |
| 21A | 157.050 | 157.050 | Simplex | Coast guard only |
| 22A | 157.100 | 157.100 | Simplex | Coast guard |
| 23A | 157.150 | 157.150 | Simplex | Coast guard only |
| 24 | 161.800 | 157.200 | Duplex | Marine operator |
| 25 | 161.850 | 157.250 | Duplex | Marine operator |
| 26 | 161.900 | 157.300 | Duplex | Marine operator |
| 27 | 161.950 | 157.350 | Duplex | Marine operator |
| 28 | 162.000 | 157.400 | Duplex | Marine operator |
| 63A | 156.175 | 156.175 | Simplex | Vessel traffic system |
| 65A | 156.275 | 156.275 | Simplex | Port operation |
| 66A | 156.325 | 156.325 | Simplex | Port operation |

| United States Marine Channels | | | | |
|-------------------------------|---------|---------|--------------|----------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 67 | 156.375 | 156.375 | Simplex, 1W | Bridge To Bridge |
| 68 | 156.425 | 156.425 | Simplex | Non Commercial |
| 69 | 156.475 | 156.475 | Simplex | Non Commercial |
| 70 | 156.525 | Inhibit | Receive only | Digital Selective Calling |
| 71 | 156.575 | 156.575 | Simplex | Non Commercial |
| 72 | 156.625 | 156.625 | Simplex | Non Commercial (Ship-Ship) |
| 73 | 156.675 | 156.675 | Simplex | Port Operation |
| 74 | 156.725 | 156.725 | Simplex | Port Operation |
| 75 | 156.775 | 156.775 | Simplex, 1W | Port Operation |
| 76 | 156.825 | 156.825 | Simplex, 1W | Port Operation |
| 77 | 156.875 | 156.875 | Simplex, 1W | Port Operation (Ship-Ship) |
| 78A | 156.925 | 156.925 | Simplex | Non Commercial |
| 79A | 156.975 | 156.975 | Simplex | Commercial |
| 80A | 157.025 | 157.025 | Simplex | Commercial |
| 81A | 157.075 | 157.075 | Simplex | Coast Guard |
| 82A | 157.125 | 157.125 | Simplex | Coast Guard |
| 83A | 157.175 | 157.175 | Simplex | Government |
| 84 | 161.825 | 157.225 | Duplex | Marine Operator |
| 85 | 161.875 | 157.275 | Duplex | Marine Operator |
| 86 | 161.925 | 157.325 | Duplex | Marine Operator |
| 87 | 157.375 | 157.375 | Simplex | Marine Operator |
| 88 | 157.425 | 157.425 | Simplex | Commercial (Ship-Ship) |

Canada Channels

| Canadian Marine Channels | | | | |
|--------------------------|---------|---------|---------|----------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 1 | 160.650 | 156.050 | Duplex | Marine Operator |
| 2 | 160.700 | 156.100 | Duplex | Marine Operator |
| 3 | 160.750 | 156.150 | Duplex | Marine Operator |
| 4A | 156.200 | 156.200 | Simplex | Canadian Coast Guard |

| Canadian Marine Channels | | | | |
|--------------------------|---------|---------|-------------|---------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 5A | 156.250 | 156.250 | Simplex | Vessel Traffic System |
| 6 | 156.300 | 156.300 | Simplex | Inter-Ship Safety |
| 7A | 156.350 | 156.350 | Simplex | Commercial |
| 8 | 156.400 | 156.400 | Simplex | Commercial |
| 9 | 156.450 | 156.450 | Simplex | Boater Calling Channel |
| 10 | 156.500 | 156.500 | Simplex | Commercial |
| 11 | 156.550 | 156.550 | Simplex | Vessel Traffic System |
| 12 | 156.600 | 156.600 | Simplex | Vessel Traffic System |
| 13 | 156.650 | 156.650 | Simplex, 1W | Bridge To Bridge |
| 14 | 156.700 | 156.700 | Simplex | Vessel Traffic System |
| 15 | 156.750 | 156.750 | Simplex, 1W | Environmental |
| 16 | 156.800 | 156.800 | Simplex | Distress, safety, calling |
| 17 | 156.850 | 156.850 | Simplex, 1W | State Control |
| 18A | 156.900 | 156.900 | Simplex | Commercial |
| 19A | 156.950 | 156.950 | Simplex | Canadian Coast Guard |
| 20 | 161.600 | 157.000 | Duplex, 1W | Port Operation |
| 21A | 157.050 | 157.050 | Simplex | Canadian Coast Guard |
| 22A | 157.100 | 157.100 | Simplex | Canadian Coast Guard |
| 23 | 161.750 | 157.150 | Duplex | Canadian Coast Guard |
| 24 | 161.800 | 157.200 | Duplex | Marine Operator |
| 25 | 161.850 | 157.250 | Duplex | Marine Operator |
| 26 | 161.900 | 157.300 | Duplex | Marine Operator |
| 27 | 161.950 | 157.350 | Duplex | Marine Operator |
| 28 | 162.000 | 157.400 | Duplex | Marine Operator |
| 60 | 160.625 | 156.025 | Duplex | Marine Operator |
| 61A | 156.075 | 156.075 | Simplex | Canadian Coast Guard |
| 62A | 156.125 | 156.125 | Simplex | Canadian Coast Guard |
| 63A | 156.175 | 156.175 | Simplex | Port Operation |
| 64 | 160.825 | 156.225 | Duplex | Marine Operator |
| 64A | 156.225 | 156.225 | Simplex | Port Operation |
| 65A | 156.275 | 156.275 | Simplex | Port Operation |

| Canadian Marine Channels | | | | |
|--------------------------|---------|---------|--------------|---------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 66A | 156.325 | 156.325 | Simplex, 1W | Port Operation |
| 67 | 156.375 | 156.375 | Simplex | Bridge To Bridge |
| 68 | 156.425 | 156.425 | Simplex | Non Commercial |
| 69 | 156.475 | 156.475 | Simplex | Non Commercial |
| 70 | 156.525 | Inhibit | Receive only | Digital Selective Calling |
| 71 | 156.575 | 156.575 | Simplex | Non Commercial |
| 72 | 156.625 | 156.625 | Simplex | Non Commercial |
| 73 | 156.675 | 156.675 | Simplex | Port Operation |
| 74 | 156.725 | 156.725 | Simplex | Port Operation |
| 75 | 156.775 | 156.775 | Simplex, 1W | Port Operation |
| 76 | 156.825 | 156.825 | Simplex, 1W | Port Operation |
| 77 | 156.875 | 156.875 | Simplex, 1W | Port Operation |
| 78A | 156.925 | 156.925 | Simplex | Inter Ship |
| 79A | 156.975 | 156.975 | Simplex | Inter Ship |
| 80A | 157.025 | 157.025 | Simplex | Inter Ship |
| 81A | 157.075 | 157.075 | Simplex | Canadian Coast Guard |
| 82A | 157.125 | 157.125 | Simplex | Canadian Coast Guard |
| 83 | 161.775 | 157.175 | Duplex | Canadian Coast Guard |
| 83A | 157.175 | 157.175 | Simplex | Canadian Coast Guard |
| 84 | 161.825 | 157.225 | Duplex | Marine Operator |
| 85 | 161.875 | 157.275 | Duplex | Marine Operator |
| 86 | 161.925 | 157.325 | Duplex | Marine Operator |
| 87 | 157.375 | 157.375 | Simplex | Port Operation |
| 88 | 157.425 | 157.425 | Simplex | Port Operation |

International Channels

| International Marine Channels | | | | |
|-------------------------------|---------|---------|-------------|---------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 1 | 160.650 | 156.050 | Duplex | Marine operator |
| 2 | 160.700 | 156.100 | Duplex | Marine operator |
| 3 | 160.750 | 156.150 | Duplex | Marine operator |
| 4 | 160.800 | 156.200 | Duplex | Marine operator |
| 5 | 160.850 | 156.250 | Duplex | Marine operator |
| 6 | 156.300 | 156.300 | Simplex | Inter-ship safety |
| 7 | 160.950 | 156.350 | Duplex | Marine operator |
| 8 | 156.400 | 156.400 | Simplex | Commercial (ship-ship) |
| 9 | 156.450 | 156.450 | Simplex | Boater calling channel |
| 10 | 156.500 | 156.500 | Simplex | Commercial |
| 11 | 156.550 | 156.550 | Simplex | Vessel traffic system |
| 12 | 156.600 | 156.600 | Simplex | Vessel traffic system |
| 13 | 156.650 | 156.650 | Simplex | Bridge to bridge |
| 14 | 156.700 | 156.700 | Simplex | Vessel traffic system |
| 15 | 156.750 | 156.750 | Simplex, 1W | Environmental |
| 16 | 156.800 | 156.800 | Simplex | Distress, safety, calling |
| 17 | 156.850 | 156.850 | Simplex, 1W | Govt maritime control |
| 18 | 161.500 | 156.900 | Duplex | Port operation |
| 19 | 161.550 | 156.950 | Duplex | Commercial |
| 20 | 161.600 | 157.000 | Duplex | Port operation |
| 21 | 161.650 | 157.050 | Duplex | Port operation |
| 22 | 161.700 | 157.100 | Duplex | Port operation |
| 23 | 161.750 | 157.150 | Duplex | Marine operator |
| 24 | 161.800 | 157.200 | Duplex | Marine operator |
| 25 | 161.850 | 157.250 | Duplex | Marine operator |
| 26 | 161.900 | 157.300 | Duplex | Marine operator |
| 27 | 161.950 | 157.350 | Duplex | Marine operator |
| 28 | 162.000 | 157.400 | Duplex | Marine operator |
| 60 | 160.625 | 156.025 | Duplex | Marine operator |
| 61 | 160.675 | 156.075 | Duplex | Marine operator |

| International Marine Channels | | | | |
|-------------------------------|---------|---------|--------------|----------------------------|
| Ch | RX Freq | TX Freq | Status | Name |
| 62 | 160.725 | 156.125 | Duplex | Marine operator |
| 63 | 160.775 | 156.175 | Duplex | Marine operator |
| 64 | 160.825 | 156.225 | Duplex | Marine operator |
| 65 | 160.875 | 156.275 | Duplex | Marine operator |
| 66 | 160.925 | 156.325 | Duplex | Marine operator |
| 67 | 156.375 | 156.375 | Simplex | Bridge to bridge |
| 68 | 156.425 | 156.425 | Simplex | Non commercial |
| 69 | 156.475 | 156.475 | Simplex | Non commercial |
| 70 | 156.525 | Inhibit | Receive only | Digital Selective Calling |
| 71 | 156.575 | 156.575 | Simplex | Non commercial |
| 72 | 156.625 | 156.625 | Simplex | Non commercial |
| 73 | 156.675 | 156.675 | Simplex | Port operation |
| 74 | 156.725 | 156.725 | Simplex | Port operation |
| 75 | 156.775 | 156.775 | Simplex, 1W | Port operation |
| 76 | 156.825 | 156.825 | Simplex, 1W | Port operation |
| 77 | 156.875 | 156.875 | Simplex | Port operation (ship-ship) |
| 78 | 161.525 | 156.925 | Duplex | Port operation |
| 79 | 161.575 | 156.975 | Duplex | Port operation |
| 80 | 161.625 | 157.025 | Duplex | Port operation |
| 81 | 161.675 | 157.075 | Duplex | Port operation |
| 82 | 161.725 | 157.125 | Duplex | Port operation |
| 83 | 161.775 | 157.175 | Duplex | Port operation |
| 84 | 161.825 | 157.225 | Duplex | Marine operator |
| 85 | 161.875 | 157.275 | Duplex | Marine operator |
| 86 | 161.925 | 157.325 | Duplex | Marine operator |
| 87 | 157.375 | 157.375 | Simplex | Marine operator |
| 88 | 157.425 | 157.425 | Simplex | Marine operator |

Weather Channels

| Weather Channels | | |
|------------------|--------------------|--------------------|
| Channel No. | RX Frequency (MHz) | TX Frequency (MHz) |
| 1 | RX ONLY | 162.55 |
| 2 | RX ONLY | 162.4 |
| 3 | RX ONLY | 162.475 |
| 4 | RX ONLY | 162.425 |
| 5 | RX ONLY | 162.45 |
| 6 | RX ONLY | 162.5 |
| 7 | RX ONLY | 162.525 |
| 8 | RX ONLY | 161.65 |
| 9 | RX ONLY | 161.775 |
| 10 | RX ONLY | 163.275 |

Regulations and Safety Warnings

WARNING! Read this information before using the radio.

RBRC Information

As part of our commitment to protect the environment and conserve natural resources, Uniden voluntarily participates in an RBRC® industry program to collect and recycle used Ni-MH batteries within the US.



Please call 1-800-8-BATTERY for information on Ni-MH battery recycling in your area.

(RBRC® is a registered trademark of the Rechargeable Battery Recycling Corporation.)

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 on these frequencies without proper authorization is strictly forbidden. See page 18 through page 24 for tables of the available channels and their uses. If you are still not certain which channels to use, see the FCC maritime radio page at the FCC website (<http://wireless.fcc.gov/marine/>) or 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 (for US users) or Industry Canada (for Canadian users).

Basic Radio Guidelines

You should familiarize yourself with the rules on marine radios and be aware of which rules apply to your boat. Complete guidelines for all ship and marine radio types can be found at the US Coast Guard website under the topic Radio Info for Boaters (the direct link is: <http://www.navcen.uscg.gov/marcomms/boater.htm>). Here are a few guidelines that affect nearly all boaters:

- If you have a VHF radio on your boat, you must maintain a watch on channel 16 (156.800 MHz) whenever the radio is not being used to communicate. Starting in 2004, if a radio is carried, it must be on and set to channel 16 whenever your boat is underway.
- If you hear a distress call, wait a few minutes to let a shore station or Coast Guard vessel respond. If no other station has responded after 5 minutes, you must respond to the distress call.
- Do not make false mayday or distress calls as a prank or to test your radio. (This is essentially like making a false 9-1-1 call; you may be subject to fines.)

FCC/Industry Canada Information

- Certification: FCC Part 80 or RSS-182
- Output Power: 3.5W
- Emission: 16K0F3E
- Transmitter Frequency Range: 156.025-157.425 MHz

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules. Any change or modification must be approved in writing by Uniden. Changes or modifications not approved by Uniden could void the user's authority to operate the equipment.

FCC RF Exposure Information

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of the radio complies with the FCC guidelines and these international standards.

Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

WARNING! It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following:

- Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the radio, or violate FCC regulations.
- Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

RF Exposure Information

For hand-held operation, the radio should be held 1 inch from the user's face. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements and should be avoided. For more information about RF exposure,

please visit the FCC website at **www.fcc.gov**.

Avoid exposing the batteries (whether attached to the radio or not) to direct sunlight, heated cars, or temperatures below -4°F (-20°C) or above +140°F (+60°C). Exposing the chemical contained within the batteries to temperatures above +140°F (+60°C) may cause the battery to rupture, fail, or reduce performance. In case of exposure to the cell contents, wash the affected area thoroughly, and seek medical attention.

Body-worn Operation

This device was evaluated for body-worn operations with the supplied belt-clip accessory. (All necessary accessories are included in the package; any additional or optional accessories are not required for compliance with the guidelines.) Third party accessories (unless approved by the manufacturer) should be avoided as these might not comply with FCC RF exposure guidelines.

For more information about RF exposure, please visit the FCC website at www.fcc.gov.

Three Year Limited Warranty

WARRANTOR: UNIDEN AMERICA CORP. ("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, warrant or will repair the defect and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrant 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 warrant or at:

Uniden America Corporation
Parts and Service Division
4700 Amon Carter Boulevard
Fort Worth, TX, 76155
(800) 554-3988

