

Uniden®

Atlantis 155



Marine VHF 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.

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.

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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ATLANTIS 155 INTRODUCTION

The Atlantis 155 is a floating, waterproof, portable 3 Watt two-way VHF marine transceiver. It is compact, lightweight, rugged, and fits easily in your hand. This handheld VHF marine radio will give you consistent, outstanding performance in virtually all conditions and situations.

To ensure that you get the most from the Atlantis 155 features, please read this operating guide carefully before using the unit.

FEATURES

- US, Canadian, and International Marine Channels
- Built-in Precision Matched Antenna
- Floating / Waterproof to IPX8
- Key Beep
- Emergency CH16/ CH9 Mode
- 10 Weather Channel/Weather Alert
- Battery Level Display
- Battery Low Alert sounds every 5 seconds at Level 1
- Boost capability
- Battery Save
- Memory Scan
- Triple Watch
- TX Power Select
- Channel Select
- Volume Select
- 4-Level Digital Squelch
- Keypad Lock On / Off
- Background color changes - 2 colors and 4 levels (Uniden recommends Day - White; Night - Amber).
- User-Selectable LCD Contrast (32 levels from 0 to 31)
- Speaker Vibration Tone
- DC Adapter
- Detachable wrist strap

*Protected against the effects of continuous immersion in water. The Atlantis 155 can withstand immersion in water up to 1.5 meters depth for 30 minutes. The Atlantis 155 has a special tone that will vibrate the speaker to remove water inside the casing (see page 24).

 **Note: This is not suitable for scuba diving.**



The Atlantis 155 will float when the battery cover is securely fastened.

GETTING STARTED

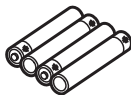
WHAT'S INCLUDED



Atlantis 155 Radio



DC Adapter



4 AAA Rechargeable
Ni-MH Batteries



Belt Clip


Not Shown:
Wrist Strap
Owner's Manual




If any of these items are missing or damaged, contact Uniden Customer Service through the Uniden website. For information on available accessories, visit uniden.com.

CONTROLS AND INDICATORS

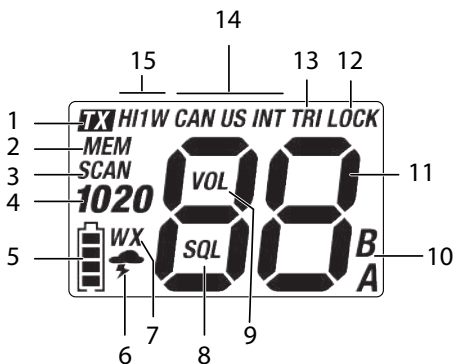


| No. | Description | No. | Description |
|-----|---------------------------|-----|---|
| 1 | Antenna | 11 | SQL UIC (Squelch) |
| 2 | PTT (Push-To-Talk) | 12 | VOL ▼ |
| 3 | Power Boost | 13 | WX ALERT |
| 4 | CH ▲ | 14 | VOL ▲ |
| 5 | CH ▼ | 15 | 16/9 TRI |
| 6 | H/L LOCK | 16 | LCD Screen |
| 7 | Speaker | 17 | DC IN/Headset Jacks |
| 8 | Drainage Opening | 18 | Wrist Strap |
| 9 | SCAN MEM | 19 |  |
| 10 | Microphone | | |

KEY OPERATION

| Key | Press to... | Press and hold to... |
|--|--|---|
| Push-to-Talk | NA | Transmit on a channel |
| BOOST | NA | Boost transmission power to 3W. |
| Channel Up/ Channel Down | Move up or down one channel at a time. | Move quickly up or down the channels. |
| H/L Lock | Change the transmit power from Low (1W) to High (3W). | Lock the keys; press again to unlock. |
| SCAN MEM | Start scanning the channels saved in memory. | Save a channel into memory or delete a channel from memory. |
| SQL UIC | Enter Squelch Setting mode. Press SQL UIC to select squelch settings (Levels = 0 - 3). | Switch between US, Canadian, or International channels. |
| VOL ▼ | Lower the volume (Levels = 0 - 15). | Quickly lower the volume. |
| WX ALERT | Listen to the weather channels. | Turn Weather Alert Watch on and off. |
| VOL ▲ | Raise the volume (Levels = 0 - 15). | Quickly raise the volume. |
| 16/9 TRI | 1st press: Go to channel 16. 2nd press: Go to channel 9. 3rd press: Go back to the starting channel. | Turn Triple Watch on and off. |
|  | Select LCD backlight level (high, middle, or low) then color (white or amber). | Turn the radio on and off. |

ATLANTIS 155 LCD DISPLAY



| No. | Name | Description |
|-----|----------------|--|
| 1 | TX (or RX) | TX = Transmitting RX = Receiving |
| 2 | MEM | Memory. Displays when the current channel is saved to memory. |
| 3 | SCAN | Displays when scanning. |
| 4 | 10 20 | Indicates if channel numbers have leading 10 or 20 (1078, 2078). |
| 5 | Battery Status | Indicates battery level remaining. |
| 6 | WX ALERT | Displays when Weather Alert Watch enabled. |
| 7 | WX Mode | Displays when in Weather mode. |
| 8 | SQL | Squelch |
| 9 | VOL | Volume |

| No. | Name | Description |
|-----|--------------|--|
| 10 | B, A | B, A = Canadian Channels (21B, 22A, etc) |
| 11 | CH Number | Current channel number |
| 12 | LOCK | Indicates Key Lock function is on. |
| 13 | TRI | Indicates whether Triple Watch is enabled. |
| 14 | Country Mode | Indicates which country mode the channel is in (CANada, US, or INTernational). |
| 15 | HI 1W | Indicates transmitting power level (Low = 1W; HIGH = 3W) |

CONNECTING POWER

The radio connects to power through a single DC adapter.

1. Connect the DC adapter to the DC 12V jack on the side of the radio.
2. Plug the other end of the adapter into the cigarette lighter.

INSTALL THE BATTERIES

Your radio uses the supplied 4 rechargeable AAA NiMH batteries. To install the batteries:

1. Make sure the radio is off.
2. Remove the belt clip if necessary.
3. Use a screwdriver or the screwdriver tip on the belt clip to turn the battery compartment screw counterclockwise and then lift up and remove the battery cover.



4. Insert the batteries into the battery compartment.
5. Before placing the battery cover back on the radio, check the rubber seal around the battery compartment. Make sure that the seal is in good condition and that there is no foreign matter under the seal.
If the rubber seal appears worn, nicked, or dried out, replace it. Visit www.uniden.com to order a replacement seal.
6. Replace the battery compartment door. Tighten the screw securely.

RECHARGING THE ATLANTIS 155

Your radio includes a DC adapter for charging. Follow these instructions to recharge the radio.



For the initial battery charge, make sure the radio is off for optimum charging.

1. Insert the adapter into the cigarette lighter. Refer to page 12.
2. Connect the other end of the adapter to the radio. Make sure that the battery icon animates.
3. Charge the radio for 13 hours then disconnect it from the adapter.

Battery Level Display

The battery icon at the bottom of the screen indicates the battery level (displayed as one of the following 5 levels) at all times

except while charging.



Fully
Charged



Mostly
Charged



Half Charged



Mostly Empty



Empty



NOTE

When **PTT** is pressed when the battery icon indicates Empty, an error tone sounds and transmission is disabled. Once at Empty, the unit will shutdown automatically after 60 seconds.

Recharge the batteries at any time. From empty, the batteries requires 13 hours to fully charge. For faster charging, turn off the radio.

Battery Life: 10 Hours (Typical)

ATTACHING THE BELTCLIP

To attach the belt clip:

Slide the belt clip until it snaps into place.

To remove the belt clip:



Press and hold the belt clip lock down while simultaneously sliding it upward until it releases.

OPERATION

In order to get the most out of your new radio, read this owner's manual completely before attempting to operate the unit.

BASICS

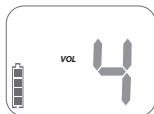
Power On/Off

1. Press and hold  to turn the radio ON. A channel number and battery level should appear on the display.
2. Press and hold  to turn the radio OFF.

Volume

The volume level can be adjusted from 0 (no volume) to 15 (maximum volume).

Press **VOL ▲** or **VOL ▼** to increase or decrease the volume level. The current volume level flashes.



Select a Channel

Press **CH ▲** or **CH ▼** to scroll through the channels individually. Press and hold **CH ▲** or **CH ▼** to scroll rapidly through the channel numbers. Refer to page 28 for a list of available channels and their corresponding frequencies and usage guidelines.

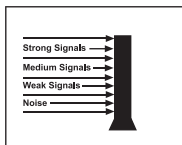
Set Squelch

Use squelch to eliminate any annoying background noise when there are no signals present.

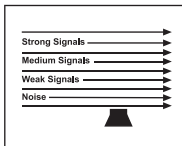


NOTE

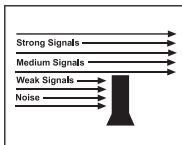
Make sure to first select a channel not in use before setting the squelch.



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.



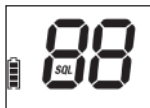
If unwanted weak and noisy signals are getting through, increase the squelch level (raise the “Squelch Gate”) to a medium level. Now only medium and strong signals get through.

S1 - minimum squelch

S2 - medium squelch

S3 - maximum/tight squelch

1. Press **SQL UIC**. SQL displays and the current squelch level flashes.
2. Press **SQL UIC** while the squelch level displays to change the squelch level to the next step (0 - 3, then repeating again from 0).
3. After 2 seconds the unit exits the squelch setting.



TRANSMITTING AND RECEIVING

Selecting Channel Modes

The radio uses U.S., Canadian, and International Marine channels (modes). Press and hold **SQL UIC** to change modes. Each time you press and hold **SQL UIC**, the mode indicator changes (*US* - United States; *CAN* - Canada; *INT* - International). Refer to page 28 for a list of the available channels and corresponding frequencies.

**NOTE**

Each time you change the UIC mode, Triple Watch, EMG CH16/CH9, WX mode, and WX Alert mode are canceled. The system does not remember these settings between modes.

Memory channels are saved to their specific UIC mode.

Transmitting

The radio can transmit for up to 3 minutes. *TX* displays when transmitting. After 3 minutes of continuous transmission, transmission is canceled and an error tone sounds.

The radio transmits at 1W; press ***BOOST*** to transmit at 3W.

Boosting Transmission Power

1. Hold the radio approximately 2 inches in front of your mouth with the antenna at approximately 45° angle away from your head.
2. Press ***BOOST*** on the side of the radio to change the transmit power from Low (1W) to High (3W). Speak in a clear, normal, conversational voice.
3. When you have finished speaking, release ***PTT*** or ***BOOST*** to listen for a response. *TX* then disappears.
4. When the channel is clear, press and hold ***PTT*** or ***BOOST*** to transmit. *TX* displays again.

**NOTE**

When you press ***BOOST*** and the transmit power is low (LO - 1W), the radio transmits at maximum high power (HI - 3W) except for US channels 13, 17, 67, 75, 76, and 77, CAN channels 13, 15, 17, 20, 66A, 75, 76, and 77, and INT channels 15, 17, 75, and 76.

Receiving

Release ***PTT*** or ***BOOST*** to receive another party's transmissions to you.


HOW IT WORKS

Your radio has three main operation modes: normal, scan, and weather.

| Mode | What it does | Use it when you want to... | To turn it on/off |
|---------|---|---|------------------------|
| Normal | Monitors a single marine channel and lets you talk on that channel. | Monitor a channel or talk to another radio. | (default mode) |
| Scan | Monitors all the channels you save into memory. | Check a small group of regularly-used channels for traffic. | Press SCAN MEM. |
| Weather | Monitors the selected NOAA weather channel. | Hear the current or forecasted weather. | Press WX ALERT. |

In addition to the three operation modes, your radio provides two different watch modes which you can activate during any operation mode. In the watch modes, the radio briefly checks for activity on a specific channel, then returns to its previous operation.

| Watch mode | What it does | To turn it on/off |
|---------------------|---|---|
| Weather Alert Watch | Checks the last-used weather channel for hazard alerts every 7 seconds. | Press and hold WX ALERT for 2 seconds. |
| Triple Watch | Checks channels 16 and 9 for activity every 2 seconds. | Press and hold 16/9 TRI for 2 seconds. |

 **Note: Private boats must monitor channel 16 whenever they are underway. Water-going vessels should have Triple Watch on at all times.**

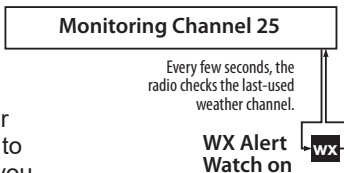
NORMAL MODE OPERATION

- To transmit, remove the radio from the charger, then press and hold the **PTT** key. Release the key when you are finished talking.
- For the best sound quality, hold the microphone about two inches from your mouth while you're talking.

- Press the **CH ▲** key to move up one channel at a time. Press and hold the key to scroll quickly up the channels.
- Press the **CH ▼** key to move down one channel at a time. Press and hold the key to scroll quickly down the channels.
- To change the transmit power, press the **H/L LOCK** key. The transmit power switches to the next transmit power each time you press this key.

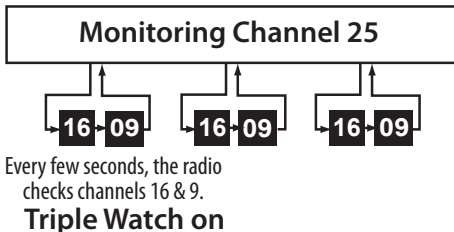
Normal mode with Weather Alert Watch

If you activate Weather Alert Watch while operating in normal mode, the radio checks the most recently used weather channel every seven seconds. If it detects a weather or other hazard alert, it will switch to that weather channel. (If you are transmitting or receiving an active transmission, the radio waits until the channel is clear or you finish your transmission before checking the weather channel.)



Normal mode with Triple Watch

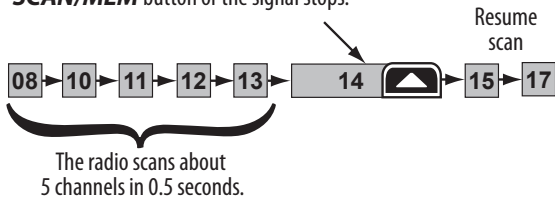
If you activate Triple Watch while operating in normal mode, the radio checks channels 9 and 16 every two seconds. The radio will not check channels 9 or 16 while you are actively transmitting; it waits until your transmission is finished and then checks the channels.



SCAN MODE OPERATION

You can save channels into memory and then use scan mode to monitor those channels from lowest to highest. If the radio detects a signal on a channel, it stays on that channel as long as the signal is received; when the signal stops, the radio continues scanning.

When it detects a signal, the radio stays on the channel until you press the **SCAN/MEM** button or the signal stops.



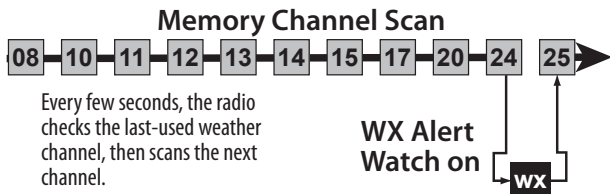
Using the radio in scan mode

- To activate scan mode, press **SCAN MEM**.
- You must have at least two channels in memory to start a scan.
- To save a channel into memory, select the channel, then press and hold the **SCAN MEM** key. The **MEM** icon displays whenever you tune to that channel.
- To remove a channel from memory, set the radio to that channel, then press and hold the **SCAN MEM** key. The **MEM** icon no longer displays.
- When the radio stays on a channel, press **CH ▲** or **CH ▼** to leave that channel and resume scanning.
- To end the scan, press the **SCAN MEM** key again; the radio remains on the last scanned channel.

Scan mode with Weather Alert Watch

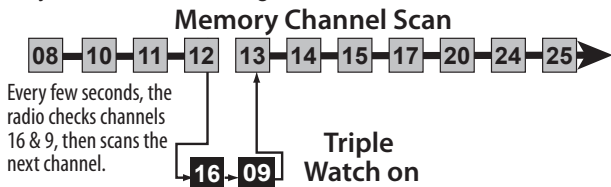
If you activate Weather Alert Watch while in scan mode (press and hold **WX ALERT**), the radio checks the most recently-used weather channel every seven seconds, then continues

scanning the next channel in memory:



Scan mode with Triple Watch

If you activate Triple Watch (press and hold **16/9 TRI**) while operating in scan mode, the radio checks channels 9 and 16 every two seconds, then goes on to scan the next channel:



WEATHER MODE

The NOAA weather channels cooperate with the FCC to alert you of other hazards besides weather (child abduction alerts, nuclear, biological, etc.). In weather mode, the radio monitors one of the nine NOAA weather channels. If any type of alert is received, the radio sounds an alert tone and the display blinks.

Using the radio in weather mode

- You cannot transmit while in weather mode.
- To enter weather mode, press the **WX ALERT** key.
- If the radio selects a WX Alert signal, it sounds an alert tone 3 times.

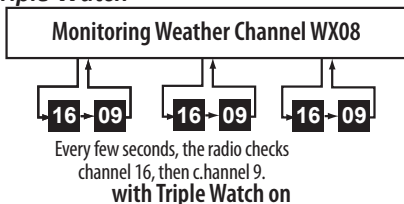
- To turn off the radio's alert tone, press any key.
- To cancel weather mode and return to the previous marine channel including emergency channels 16 and 9, press the **WX ALERT** key again.

Weather mode with Weather Alert Watch

Because weather mode already monitors the weather channels, you don't need Weather Alert Watch to check the weather channel every seven seconds. If you activate Weather Alert Watch while operating in weather mode, it operates as a type of "sleep" mode; the radio stays on the weather channel and mutes the speaker. If an alert is detected, the radio sounds an alert tone and turns the speaker back on. This mode is very useful when you are anchoring for the night but want to keep informed of hazards.

Weather mode with Triple Watch

If you activate Triple Watch while operating in weather mode, the radio checks the current marine channel, channels 9 and 16 every two seconds, and the current WX channel about every nine seconds.



Emergency Channel 16/9

While monitoring a channel (CH 20 in this example), 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. *TRI* displays.
2. Press and hold **16/9 TRI** again to exit Triple Watch. *TRI* disappears.



While in Triple Watch mode, you can change the currently selected channel using **CH ▲** or **CH ▼**.

DROP-OUT DELAY


While scanning, the radio stops on channels when it receives a signal. When the received signal is over, there is a drop-out delay of 2 seconds for the return of the signal. After 2 seconds, if the signal does not return, the radio resumes scanning.

BATTERY SAVE

This feature extends the battery life by switching the receiver circuit power on and off. Battery Save automatically activates during standby mode (RX mode without signal).

BACKLIGHTING

The Liquid Crystal Display (LCD) is backlit for easy viewing at night or in low light situations. Backlighting automatically switches on every time a key is pressed (except **PTT** and **BOOST**) and off 10 seconds after the last key is pressed.

1. Press the Backlight icon () and the current backlight level/color displays.
2. Press the icon again and the backlight level/color changes in the following order:

White High (default) - White Medium - White Low - Amber High - Amber Medium - Amber Low - White High, etc.

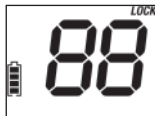
ADJUST LCD CONTRAST

Adjust the LCD contrast to make the images on the LCD clearer and easier to see. You must first enter LCD contrast adjustment mode.

1. Turn off the radio, and then turn it on again while pressing and holding **16/9 TRI** and **WX ALERT**.
2. Press **VOL ▲** and **VOL ▼** to change the levels (0 - 31). The contrast level displays and blinks.

KEYPAD LOCK

To prevent accidental entries, you can lock the keypad. Press and hold **H/L LOCK** until it beeps to activate Keypad Lock. **LOCK** displays on the LCD. When Keypad Lock is active, a warning beep sounds and **LOCK** blinks if you try to press any keys other than **PTT**, **BOOST**, or power.



The radio retains Keypad Lock status even when you cycle power on/off. To unlock the keypad, press and hold **H/L LOCK** again. **LOCK** disappears.

KEY BEEP

Key Beep is the tone that sounds when you press a key. To turn Key Beep on or off, press and hold the **CH ▲** or **CH ▼** key while turning the radio on.

When Key Beep is on, all key beeps are enabled. When Key Beep is off, all key beeps are disabled except WX Alert Tone.

SPEAKER VIBRATION TONE

If the radio falls overboard into the water, you can trigger a tone to help remove water through the speaker. This tone vibrates the speaker and helps push water out the drain hole and speaker openings.

1. Press both **VOL ▲** and **VOL ▼** to activate this feature. The speaker vibrates and a tone sounds.
2. Press any key to turn off the tone.

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.

UPDATING THE FIRMWARE/DATABASE

Uniden recommends that you update your firmware and database periodically. Go to uniden.com, find your model, and check if you have the latest firmware.

COMMON QUESTIONS

| Problem | Things to Try |
|---------------------------------------|---|
| The radio won't turn on. | Charge the radio. |
| The charging animation doesn't start. | <ul style="list-style-type: none">• Don't charge the radio when the ambient temperature is below 32°F (0°C) or above 113°F (45°C).• Make sure the charging contacts on the radio and charger are clean.• 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 28).• Check the battery power level; if it's low, charge the battery before trying to transmit.• Make sure the duration of each transmission is less than 3 minutes. |

| Problem | Things to Try |
|---|--|
| I can't hear anything from the speaker. | Adjust the squelch level; it is probably too high. If the radio has fallen into water, activate the Speaker Vibration Tone (see page 24). The vibration will help remove water from the unit. |
| Noise comes out of the speaker all the time | Adjust the squelch level; it is probably too low. |
| I can transmit, but no one can hear me. | Check your UIC channel settings: does the area you are in use different channel assignments? |
| Where can I find my radio's serial number? | The serial number is on a plate inside the battery compartment. |

SPECIFICATIONS

| General | |
|------------------------|---|
| Channels | All US, International, and Canada marine channels |
| | 10 Weather Channels |
| Frequency Control | PLL |
| Frequency Tolerance | Transmit: 0.5 PPM (at 25°C) |
| Operating Temperature | -4°F (-20°C) to +122°F (+50°C) |
| Antenna | Flexible Whip |
| Microphone | Built-in Electret type |
| Display | Liquid Crystal Display |
| Speaker | 8 Ω 1W |
| Power Source | 4 Rechargeable NiMH Batteries 950 mAh AAA x 4 |
| Size (without antenna) | 8.98 (H) x 2.52 (W) x 1.54 (D) inch 228 (H) x 64 (W) x 39 (D) mm |
| Weight | 8.53 oz (242g) (w/batteries) |
| Transmitter | |
| Frequency Range | 156.050 ~ 161.6 MHz |
| Frequency Stability | ± 5 PPM |
| Power Output | 1W and 3W |

| | |
|---------------------------------|--|
| Spurious Emissions | -34 dBm on Hi; -40 dBm on Lo |
| Current Drain | 1000 mA (3W) |
| Receiver | |
| Type | Direct Conversion Super Heterodyne Phase Locked Loop system for Local Oscillator |
| Frequency Range | 156.05 - 162.55 MHz |
| Sensitivity | 0.28 μ V for 12 dB SINAD |
| Squelch Sensitivity | Threshold 0.22 μ V |
| Audio Frequency Response | +5.5 dB @ 500 Hz; -6.5 dB @ 2000 Hz |
| Adjacent Channel Selectivity | 60 dB @ \pm 25 kHz |
| Audio Output Power | 0.5W @10% THD |
| Current Drain | Squelched: 60 mA; Max. Audio: 150 mA |

CHANNELS AND FREQUENCIES (MHZ)

MARINE RADIO CHANNEL CHART

| Ch No. | U | I | C | TX | RX | S/D | Channel Type/Name |
|--------|---|---|---|---------|---------|--------------|---|
| 01 | | x | x | 156.050 | 160.650 | D | Marine Operator |
| 1001 | X | | | 156.050 | 156.050 | S | Vessel Traffic System/Commercial |
| 02 | | x | x | 156.100 | 160.700 | D | Marine Operator |
| 03 | | x | x | 156.150 | 160.750 | D | Marine Operator |
| 1003 | X | | | 156.150 | 156.150 | S | US Gov't only; Coast Guard |
| 04 | | x | | 156.200 | 160.800 | D | Marine Operator |
| 04A | | | x | 156.200 | 156.200 | S | Canadian Coast Guard |
| 05 | | x | | 156.250 | 160.850 | D | Marine Operator |
| 05A | | | x | 156.250 | 156.250 | S | Vessel Traffic System |
| 1005 | X | | | 156.250 | 156.250 | S | Vessel Traffic System/Commercial |
| 06 | x | x | x | 156.300 | 156.300 | S | Inter-ship safety |
| 07 | | x | | 156.350 | 160.950 | D | Marine Operator |
| 7A | | | x | 156.350 | 156.350 | S | Commercial |
| 1007 | x | | | 156.350 | 156.350 | S | Commercial |
| 08 | x | x | x | 156.400 | 156.400 | S | Commercial (International: Inter-Ship) |
| 09 | x | x | x | 156.450 | 156.450 | S | INT and CAN: Boater Calling Channel US: Non-Commercial |
| 10 | x | x | x | 156.500 | 156.500 | S | Commercial |
| 11 | x | x | x | 156.550 | 156.550 | S | Vessel Traffic System |
| 12 | x | x | x | 156.600 | 156.600 | S | Vessel Traffic System |
| 13 | x | x | x | 156.650 | 156.650 | S | Bridge to Bridge US and CAN: 1W |
| 14 | x | x | x | 156.700 | 156.700 | S | Vessel Traffic System |
| 15 | x | | | Inhibit | 156.750 | Receive Only | Environmental |

| Ch No. | U | I | C | TX | RX | S/D | Channel Type/Name |
|--------|---|---|---|---------|---------|-----|---|
| 15 | | x | x | 156.750 | 156.750 | S | Environmental INT and CAN: 1W |
| 16 | x | x | x | 156.800 | 156.800 | S | Distress, Safety, Calling |
| 17 | x | x | x | 156.850 | 156.850 | S | Government Maritime Control CAN: State Control |
| 18 | | x | | 156.900 | 161.500 | D | Port Operation, 1W |
| 18A | | | x | 156.900 | 156.900 | S | Commercial |
| 1018 | x | | | 156.900 | 156.900 | S | Commercial |
| 19 | | x | | 156.950 | 161.550 | D | Port Operation, Ship Movement |
| 19A | | | x | 156.950 | 156.950 | S | Canadian Coast Guard |
| 1019 | x | x | | 156.950 | 156.950 | S | Commercial |
| 2019 | | x | | 161.550 | 161.550 | S | |
| 20 | x | x | x | 157.000 | 161.600 | D | Port Operations CAN: 1 Watt Only |
| 1020 | x | x | | 157.000 | 157.000 | S | Port Operations |
| 2020 | | x | | 161.600 | 161.600 | S | |
| 21 | | x | | 157.050 | 161.650 | D | Port Operations |
| 21A | | | x | 157.050 | 157.050 | S | Canadian Coast Guard |
| 21B* | | | x | INHIBIT | 161.650 | S | Continuous Marine Broadcast (CMB) Service |
| 1021 | x | | | 157.050 | 157.050 | S | Coast Guard Only |
| 22 | | x | | 157.100 | 161.700 | D | Port Operations, Ship Movement |
| 22A | | | x | 157.100 | 157.100 | S | Canadian Coast Guard |
| 1022 | x | | | 157.100 | 157.100 | S | US Coast Guard |
| 23 | | x | x | 157.150 | 161.750 | D | Marine Operator |
| 23B* | | | x | INHIBIT | 161.750 | S | CMB Service |
| 1023 | x | | | 157.150 | 157.150 | S | US Coast Guard Only |
| 24 | x | x | x | 157.200 | 161.800 | D | Marine Operator |
| 25 | x | x | x | 157.250 | 161.850 | D | Marine Operator |
| 25B* | | | x | INHIBIT | 161.850 | S | CMB Service |

| Ch No. | U | I | C | TX | RX | S/D | Channel Type/Name |
|--------|---|---|---|---------|----------|----------|--|
| 26 | x | x | x | 157.300 | 161.900 | D | Marine Operator |
| 27 | x | x | x | 157.350 | 161.950 | D | Marine Operator |
| 28 | x | x | x | 157.400 | 162.000 | D | Marine Operator |
| 28B* | | | x | INHIBIT | 162.000 | S | CMB Service |
| 60 | | x | x | 156.025 | 160.625 | D | Marine Operator |
| 61 | | x | | 156.075 | 160.675 | D | Marine Operator |
| 61A | | | x | 156.075 | 156.075 | S | Canadian Coast Guard |
| 1061 | x | | | 156.075 | 156.075 | S | Public Coast: Coast Guard East Coast: Commercial Fishing Only |
| 62 | | x | | 156.125 | 160.725 | D | Marine Operator |
| 62A | | | x | 156.125 | 156.125 | S | Canadian Coast Guard |
| 63 | | x | | 156.175 | 160.775 | D | Marine Operator |
| 63A | | | x | 156.175 | 156.175 | S | Port Operations |
| 1063 | x | | | 156.175 | 156.175 | S | VTS |
| 64 | | x | x | 156.225 | 160.825 | D | Marine Operator |
| 64A | | | x | 156.225 | 156.225 | S | Port Operation |
| 1064 | x | | | 156.225 | 156.225 | S | Public Correspondence (Marine Operator) Port Operation, Ship Movement |
| 65 | | x | | 156.275 | 160.875 | D | Marine Operator |
| 65A | | | x | 156.275 | 156.275 | S | Port Operations |
| 1065 | x | | | 156.275 | 156.275 | S | Port Operation |
| 66 | | x | | 156.325 | 160.925 | D | Marine Operator |
| 66A | | | x | 156.325 | 156.325 | S | Port Operations Canada: 1 Watt Only |
| 1066 | x | | | 156.325 | 156.325 | S | Port Operations |
| 67 | x | x | x | 156.375 | 156.375 | S | Bridge-to-Bridge, 1W |
| 68 | x | x | x | 156.425 | 156.425 | S | Non-Commercial |
| 69 | x | x | x | 156.475 | 156.475 | S | Non-Commercial |
| 70 | x | x | x | Inhibit | 156.5250 | DSC Only | DSC |

| Ch No. | U | I | C | TX | RX | S/D | Channel Type/Name |
|--------|---|---|---|---------|---------|-----|--|
| 71 | x | x | x | 156.575 | 156.575 | S | Non-Commercial |
| 72 | x | x | x | 156.625 | 156.625 | S | Non-Commercial US: Non-Commercial, Ship-to-Ship |
| 73 | x | x | x | 156.675 | 156.675 | S | Port Operations |
| 74 | x | x | x | 156.725 | 156.725 | S | Port Operations |
| 75 | x | x | x | 156.775 | 156.775 | S | Port Operations (1 Watt Only) |
| 76 | x | x | x | 156.825 | 156.825 | S | Port Operations (1 Watt Only) |
| 77 | x | x | x | 156.875 | 156.875 | S | Port Operations US and INT: Ship to Ship US and CAN: 1 Watt Only |
| 78 | | x | | 156.925 | 161.525 | D | Port Operations |
| 78A | | | x | 156.925 | 156.925 | S | Non-Commercial, Inter-Ship |
| 1078 | x | x | | 156.925 | 156.925 | S | Non-Commercial |
| 2078 | | x | | 161.525 | 161.525 | S | |
| 79 | | x | | 156.975 | 161.575 | D | Port Operations |
| 79A | | | x | 156.975 | 156.975 | S | Commercial, Inter-Ship |
| 1079 | x | x | | 156.975 | 156.975 | S | Commercial |
| 2079 | | x | | 161.575 | 161.575 | S | |
| 80 | | x | | 157.025 | 161.625 | D | Port Operations |
| 80A | | | x | 157.025 | 157.025 | S | Inter-Ship |
| 1080 | x | | | 157.025 | 157.025 | S | Commercial |
| 81 | | x | | 157.075 | 161.675 | D | Port Operations |
| 81A | | | x | 157.075 | 157.075 | S | Canadian Coast Guard |
| 1081 | x | | | 157.075 | 157.075 | S | Government |
| 82 | | x | | 157.125 | 161.725 | D | Port Operations |
| 82A | | | x | 157.125 | 157.125 | S | Canadian Coast Guard |
| 1082 | x | | | 157.125 | 157.125 | S | Government |
| 83 | | x | | 157.175 | 161.775 | D | Port Operations |
| 83A | | | x | 157.175 | 157.175 | S | Canadian Coast Guard |
| 83B* | | | x | INHIBIT | 161.775 | S | Canadian CG Continuous Marine Broadcast (CMB) Service |

| Ch No. | U | I | C | TX | RX | S/D | Channel Type/Name |
|--------|---|---|---|---------|---------|-----|---|
| 1083 | x | | | 157.175 | 157.175 | S | Coast Guard |
| 84 | x | x | x | 157.225 | 161.825 | D | Marine Operator |
| 85 | x | x | x | 157.275 | 161.875 | D | Marine Operator |
| 86 | x | x | x | 157.325 | 161.925 | D | Marine Operator |
| 87 | x | x | x | 157.375 | 157.375 | S | Marine Operator |
| 88 | x | x | x | 157.425 | 157.425 | S | U: Commercial (Ship-to-ship) I: Marine Operator C: Port Operation |

* = New Channel, Continuous Marine Broadcast (CMB) Service

Weather Channels and Frequencies (US and CAN)

| Ch No. | RX Freq | Name on Display |
|--------|----------|-----------------|
| WX01 | 162.5500 | 162.550 MHz |
| WX02 | 162.4000 | 162.400 MHz |
| WX03 | 162.4750 | 162.475 MHz |
| WX04 | 162.4250 | 162.425 MHz |
| WX05 | 162.4500 | 162.450 MHz |
| WX06 | 162.5000 | 162.500 MHz |
| WX07 | 162.5250 | 162.525 MHz |
| WX08 | 161.6500 | 161.650 MHz |
| WX09 | 161.7750 | 161.775 MHz |
| WX10 | 163.2750 | 163.275 MHz |

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 Ni-MH battery recycling in your area.

(RBRC® is a registered trademark of Call2Recycle, Inc.)



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 28 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/IC Information

- Certification: FCC Part 15 or I.C. RSS
- Output Power: 3W
- Emission: 16K0F3E
- Transmitter Frequency Range: 156.05 ~161.6 MHz

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modifications to this equipment may void compliance with I.C. 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.

L'appareil est conforme aux normes d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) Ce dispositif ne doit pas causer d'interférences et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tous les changements apportés à cet appareil, s'ils ne sont pas expressément approuvés par Uniden ou toute utilisation de celui-ci d'une autre manière que celle décrite dans ce guide peut annuler votre autorisation de le faire fonctionner.

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. Do not exceed 50% PTT Duty Factor. 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.

RENSEIGNEMENTS DE LA FCC SUR L'EXPOSITION AUX FRÉQUENCES RF

AVERTISSEMENT! Au mois d'août 1996, la Commission fédérale des communications (FCC) des États-Unis, par le

biais de son intervention dans le rapport et l'ordonnance 96-326 'report and order FCC 96-326', a mis à jour les normes relatives à l'exposition humaine à l'énergie électromagnétique des fréquences radio émises par les transmetteurs autorisés par la FCC. Ces directives répondent aux normes de sécurité établies précédemment par les organismes américains et internationaux responsables de la conformité à ces normes. Le design et la fabrication de cette radio sont conformes aux directives de la FCC et à ces normes internationales.

Ce dispositif est conforme aux exigences de sécurité relatives au débit d'absorption spécifique (DAS) des radiofréquences lorsque vous respectez un régime d'utilisation de 50 % (temps de conversation).

Ne laissez jamais un enfant utiliser un appareil radio doté d'un transmetteur sans supervision adéquate.

AVERTISSEMENT! Il n'en tient qu'à l'utilisateur de faire fonctionner la radio dotée d'un transmetteur de manière sécuritaire.

N'utilisez pas la radio si l'antenne est endommagée. Si une antenne endommagée entre en contact avec la peau, une brûlure légère peut se produire.

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 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**.

Fonctionnement de l'appareil, lorsque porté sur le corps. Cet appareil a été testé et s'est avéré conforme aux normes d'Industrie Canada et approuvé pour le port sur le corps à l'aide des accessoires Uniden inclus et conçus pour cet appareil. L'utilisation d'accessoires ne respectant pas les exigences d'exposition RF d'Industrie Canada doit être évitée.

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 $+122^{\circ}\text{F}$ ($+50^{\circ}\text{C}$). Exposing the chemical contained within the batteries to temperatures above $+122^{\circ}\text{F}$ ($+50^{\circ}\text{C}$) may cause the batteries to rupture, fail, or reduce performance.

In case of exposure to the battery contents, wash the affected area thoroughly, and seek medical attention.

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, 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
301 International Parkway, Suite 460
Flower Mound, Texas 75022



QUESTIONS?

Visit our website at
www.uniden.com.

QUESTIONS?

Visitez notre site Web au
www.uniden.com.