

Uniden®

MHS75

VHF MARINE RADIO

RADIO MARITIME VHF



OWNER'S MANUAL
GUIDE D'UTILISATION

MAKING A DISTRESS CALL

Making a voice distress call.

Speak slowly - clearly - calmly.

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

1. Make sure your radio is on.
2. Press the **16/9-TRI** button to switch to Channel 16 (156.8 MHz).
(If the corner of 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. are you sinking, medical emergency, man overboard, on fire, adrift, etc.).
8. State the type of assistance you need (medical, towing, pumps, etc.).
9. Give number of persons aboard and conditions of any injured persons.
10. Estimate present seaworthiness of your ship (e.g. how immediate is the danger due to flooding or fire or proximity to shore).
11. Briefly describe your ship, giving ship name (e.g. "Blue Duck is 32 foot cabin cruiser, white hull, blue deck house").
12. Say: "**I WILL BE LISTENING ON CHANNEL 16.**"
13. End 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

Faire un appel de détresse

Parlez lentement – clairement – calmement.

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

--

1. Vérifiez si votre radio est en marche.
2. Appuyez sur la touche **16/9-Tri** de la radio 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'assistance 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 à l'inondation, à l'incendie ou à votre proximité de la côte.
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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MHS75

INTRODUCTION

FEATURES

The MHS75 provides the following key features:

- **Submersible design**
Complies with JIS8/IPX8 water-resistant standards, which means the radio can be submerged in 1.5 meters of water for 30 minutes without damage.
- **Memory scan mode**
Lets you save channels to memory and monitor them in quick succession.
- **Transmitter power level select**
Lets you boost the transmitter power from 1 Watt to 2.5 or 5 Watts for added transmission distance.
- **Battery level display and low battery alert**
- **Dual, Triple, and Quad Watch operation**
These different watch modes let you monitor up to two Coast Guard Distress/Hailing channels and one weather channel along with one regular marine channel.
- **All marine VHF channels for the U.S., Canada, and international waters**
- **10 Weather (WX) channels**
- **National Oceanic and Atmospheric Administration (NOAA) weather channel watch**
Sounds a warning tone when a hazard alert is issued.
- **Key Lock**
Lets you lock the keypad to minimize accidental key entry.
- **LCD backlight options**
There are 2 colors (amber and white) and 3 backlight levels for each color.

GETTING STARTED

WHAT'S INCLUDED



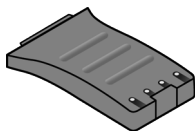
MHS75 Radio



Antenna



DC Charger



Lithium Ion Battery



Belt Clip



Wrist Strap

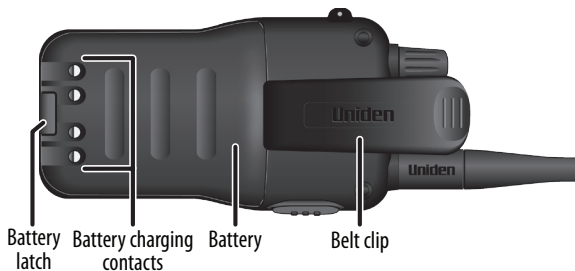
If any pieces are missing or damaged, contact Uniden Customer Service (see back cover for contact information). For information on available accessories, visit www.uniden.com.

PARTS OF THE MHS75

Front view



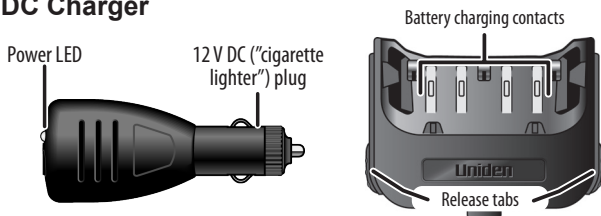
Back view



Knob	Turn clockwise to...:	Turn counter-clockwise to...:
Volume-Power	Turn on the radio or increase the volume.	Decrease the volume or turn off the radio.
Squelch	Raise the squelch level to reduce channel noise.	Lower the squelch level to hear weaker signals.

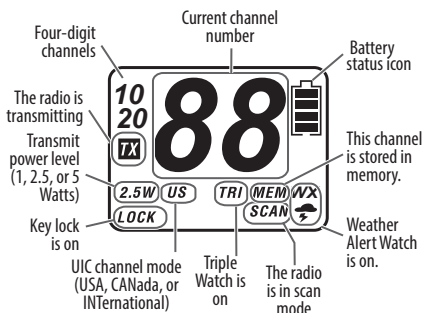
Button	Press to...	Press and hold to...
Push to talk	NA	Transmit on a channel
16/9-Tri	1st press: Go to channel 16. 2nd press: Go to channel 9. 3rd press: Go back to the starting channel.	Turn Triple Watch on and off.
Mem/(light bulb)	Save a channel into memory or delete a channel from memory.	Cycle through 2 background color/brightness options.
UIC-Lock	Switch from US to Canadian or international channels.	Lock the keys; press and hold again to unlock.
Channel Up	Move up one channel at a time.	Move quickly up the channels.
Channel Down	Move down one channel at a time.	Move quickly down the channels.
WX-Alert	Listen to the weather channels.	Turn Weather Alert Watch on and off.
Scan-Dual	Start scanning the channels saved in memory.	Turn Dual Watch on and off.
1/5W-2.5W	Switch the transmit power between 1 Watt and 5 Watts.	Change the transmit power to 2.5 Watts.

DC Charger



READING THE DISPLAY

The LCD display shows different information depending on what you are doing. This sample screen shows some of this information. The table below shows all the possible icons and what they mean.



Display icons and what they mean

Icon	What it means
TX	You are currently transmitting.
1W, 5W, or 2.5W	The transmitter power is set to 1 Watt, 5 Watts, or 2.5 Watts.
LOCK	The keys are locked.

Icon	What it means
US, CAN, or INT	The radio is set to use US channels, CANadian channels, or INTernational channels.
TRI or DUAL	TRiple Watch or DUAL Watch is turned on.
MEM	The current channel is saved in memory.
SCAN	The radio is in Scan mode.
WX	The radio is in Weather Mode
	Weather Alert Watch is turned on.
	The battery is fully charged, mostly charged, half charged, mostly empty, or completely empty.

HOW IT WORKS

The MHS75 radio has three main operation modes: normal mode, scan mode, and weather mode.

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

In addition to the three operation modes, the MHS75 provides four 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.
Dual Watch	Checks channel 16 for activity every 2 seconds.	Press and hold Scan-Dual for 2 seconds.
Triple Watch	Checks channels 9 and 16 for activity every 2 seconds.	Press and hold 16/9-Tri for 2 seconds.
Quad Watch	Checks channels 9 and 16 for activity every 2 seconds, and checks the last-used weather channel every 7 seconds.	Turn on Triple Watch, then turn on Weather Alert Watch.

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

NORMAL MODE OPERATION

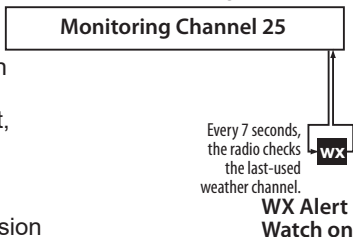
- To transmit, remove the radio from the charger, then press and hold the **Push to Talk** button. Release the button when you are finished talking.
- For the best sound quality, hold the microphone about two inches from your mouth while you're talking.
- Press the **Channel Up** button to move up one channel at a time. Press and hold the button to scroll quickly up the channels.
- Press the **Channel Down** button to move down one channel at a time. Press and hold the button to scroll quickly down the channels.
- To change the transmit power, press the **1/5W-2.5W** button. The transmit power switches between 1 Watt and 5

Watts each time you press the **1/5W-2.5W** button.

- To change the transmit power to 2.5 Watts, press and hold the **1/5W-2.5W** button for 2 seconds. Press and hold the button again to change back to the previous transmit power (either 1 Watt or 5 Watts).

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 actively transmitting, the radio waits until you finish your transmission before checking the weather channel.)

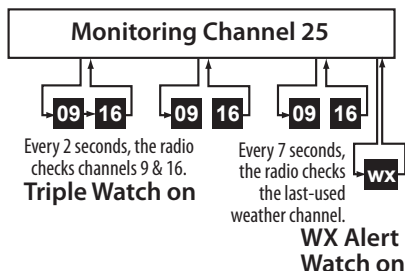


Normal mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in normal mode, the radio checks channels 9 and 16 every two seconds; with Dual Watch turned on, the radio only checks channel 16. 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.

Normal mode with Quad Watch

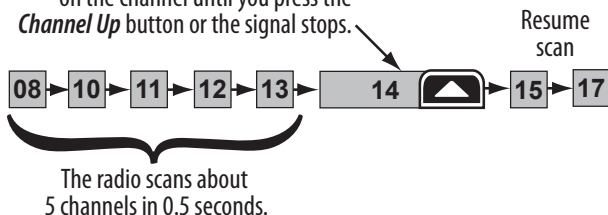
You can activate Weather Alert Watch and Triple Watch at the same time to monitor four channels at once (Quad Watch). The radio performs the Triple Watch and Weather Alert Watch checks at their scheduled time.



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 *Channel Up* button or the signal stops.



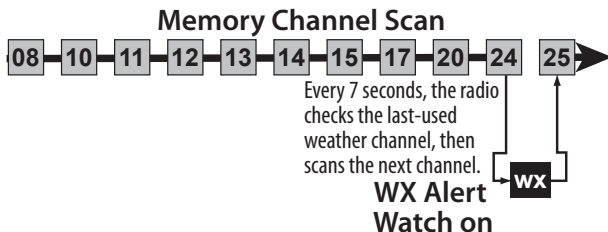
Using the radio in scan mode

- To activate scan mode, press **Scan-Dual**.
- You must have at least two channels in memory to start a scan.
- You cannot transmit while in scan mode.

- To save a channel into memory, select the channel, then press the **Mem** button. The **Mem** icon shows on the display whenever you tune to that channel.
- To remove a channel from memory, set the radio to that channel, then press the **Mem** button. The **Mem** icon no longer shows on the display.
- When the radio stays on a channel, press **Channel Up** to leave that channel and resume scanning.
- To end the scan, press the **Scan-Dual** button again; the radio remains on the last scanned channel.

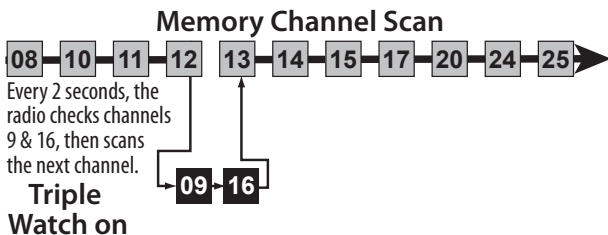
Scan mode with Weather Alert Watch

If you activate Weather Alert Watch while in scan mode, the radio checks the most recently-used weather channel every seven seconds, then continues scanning the next channel in memory:



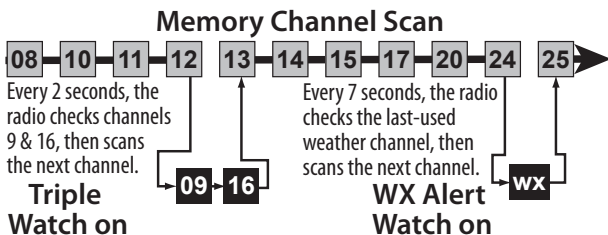
Scan mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in scan mode, the radio checks channels 9 and 16 every two seconds, then goes on to scan the next channel; with Dual Watch turned on, the radio only checks channel 16:



Both Weather Alert and Triple/Dual Watch in scan mode

You can activate Weather Alert Watch and Triple/Dual Watch at the same time. The radio performs both checks at their scheduled time:



WEATHER MODE

The NOAA weather channels now 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 ten 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

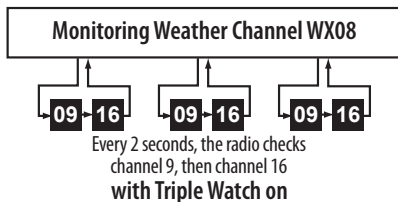
- You cannot transmit while in weather mode.
- To enter weather mode, press the **WX-Alert** button.
- To turn off the radio's alert tone, press any button.
- To cancel weather mode and return to the previous marine channel, press the **WX-Alert** button again.

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 or Dual Watch

If you activate Triple Watch while operating in weather mode, the radio checks channels 9 and 16 every two seconds; with Dual Watch turned on, the radio only checks channel 16.



SETTING UP THE HARDWARE

ATTACHING THE ANTENNA

The antenna detaches from the radio for easy shipping or storage. To attach the antenna to your radio, screw it tightly onto the anchor post at the top of the radio.



INSTALLING THE BATTERY

Your MHS75 comes with a rechargeable Lithium Ion battery; for shipping safety, the battery is not installed at the factory.

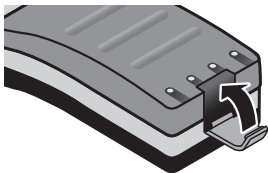
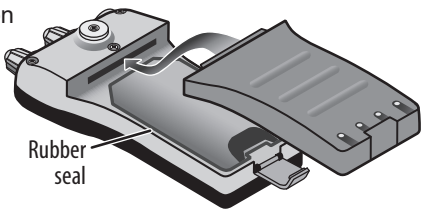
1. Insert the hook on the battery into the notch at the top of the battery compartment.

Note: Each time you

remove the battery, check the rubber seal around the battery compartment. Make sure the seal is seated in the groove and there is no dirt or debris on it. If the seal looks worn or damaged, contact customer service to order a replacement (see back cover page for contact information).

2. Lower the battery until it rests flat in the compartment.
3. Bring the battery latch up and snap it into place.

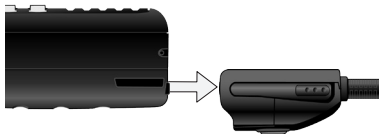
Rubber seal



CHARGING THE BATTERY

Connecting the charger

Align the charger with the battery (on the rear side of the radio). Slide the radio into the charger until it clicks into place.



Connect the other end of the charger to any standard 12 volt DC “cigarette lighter” style outlet. The power LED on the top of the plug should turn orange and remain lit.

CAUTION: If the LED blinks, ***immediately*** disconnect the charger from the DC outlet. Reseat the radio in the charger before reconnecting the charger to power.

CAUTION: Use only the battery and charger supplied with this radio. Using a different charger or battery can damage the radio and create a risk of fire or shock.

Important notes on charging the battery

- Charge the battery fully before using the radio.
- When the battery is completely charged, the power LED turns off.
- Don't use the charger when the ambient temperature is below 0° C (32° F) or above 45° C (113° F).
- If the radio is powered down, the battery can charge in about three and a half hours. (If the radio is powered on, the battery takes longer to charge.)
- If the battery is empty, the radio can't transmit, even if it's in the charger.
- Be careful moving the charger cord. If you have to move the cord while the radio is charging, pick up the radio first so you don't drop it.

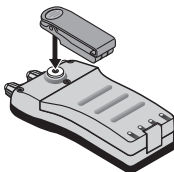
Disconnecting the charger

Squeeze in on the release tabs at the base of the charger, and slide the radio out.



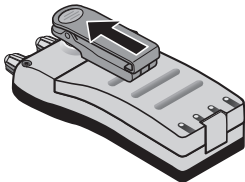
ATTACHING THE BELT CLIP

To attach the belt clip:



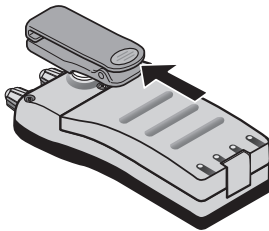
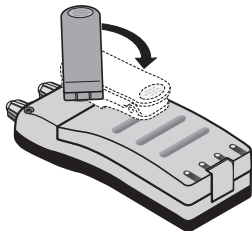
1. Rotate the belt clip so that the finger indentation is towards the top of the radio.
2. Align the center of the clip with the anchor post.

3. Place the clip on the post and slide the clip upwards until it clicks into place.



To remove the belt clip:

1. Rotate the clip so that the finger indentation is towards the bottom of the radio.
2. Slide the clip up until it comes free of the anchor post.



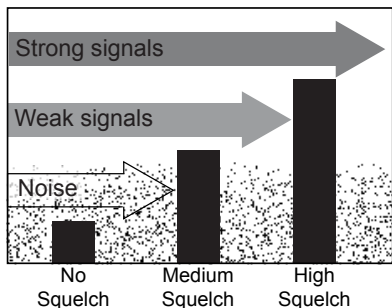
USING YOUR RADIO

CHANGING THE VOLUME

To increase the speaker volume, turn the **Volume-Power** knob clockwise; turn it counter-clockwise to decrease the volume.

SETTING THE SQUELCH LEVEL

The squelch feature reduces static on the speaker by filtering out any background channel noise. At the lowest squelch level, the speaker plays all signals, including any channel noise. Setting the squelch level higher filters out noise and lets only actual radio transmissions through.



While listening to a channel, adjust the **SQUELCH** knob until the noise is filtered and you can hear only the transmission. If you switch to a channel with a lot of noise or a weak transmission, you may need to readjust the squelch level again.

Note: Setting the squelch level too high may prevent you from hearing weaker transmissions. If you are having difficulty hearing a transmission, try setting the squelch level lower.

CHANGING THE CHANNEL

Press the **Channel Up** and **Channel Down** buttons briefly to scroll through the channels one channel at a time. Press and

hold the **Channel Up** or **Channel Down** button to quickly scroll through the channels.

MAKING A TRANSMISSION

Select the channel you want to transmit on, then press and hold the **Push to Talk** button. Release the **Push to Talk** button when you're finished talking to let the other party respond.

- To prevent stuck microphone problems or situations where the **Push to Talk** button is pushed accidentally, the radio limits your talk time to 5 minutes in a single transmission.
- For the best sound quality, hold the microphone about two inches away from your mouth.
- See the channel lists starting on page 19 for a list of receive-only channels.

Boosting the transmission power

In most situations, the 1 Watt transmission power is all you need. If you find yourself far away from other stations and have trouble getting a response, you may need to boost the transmission power from 1 Watt to 2.5 Watts or 5 Watts:

- Press the **1/5W-2.5W** button to switch from 1 Watt to 5 Watts. Press the button again to switch back to 1 Watt.
- To switch to 2.5 Watts, press and hold the **1/5W-2.5W** button for about two seconds. Press and hold the button again to switch back to 1 Watt or 5 Watts (whichever you were on when you switched to 2.5 Watts).
- The transmit power remains at the new setting until you change it again. The transmit power icon always shows the current transmission power.

Note: Don't forget to change the transmission setting back to 1 Watt when you move close to other stations.

- Some channels (for example, channels 13 and 67) limit the transmission power to 1 Watt. When you tune to a

limited-power channel, the radio automatically switches to 1 Watt. See the channel lists starting on page 19 for a list of power-restricted channels.

SETTING THE UIC CHANNEL MODE

The radio comes preset to use the channels assigned for the US. If your current area uses Canadian or international channel assignments, press the **UIC-Lock** key to rotate through the US, Canadian, and international channels.

CHANGING THE DISPLAY COLOR

The MHS75 display can be changed to an amber or white background color, with three brightness levels of each color.

1. Press and hold the **MEM** key. The brightest level of the current screen background color (amber or white) displays.
2. Keep pressing **MEM**; The unit cycles through all three brightness level of the current color then switches to the other screen color and its brightness levels.
3. Release **MEM** when the color and brightness level you want displays.

MAINTENANCE AND TROUBLESHOOTING

Due to its rugged design, the MHS75 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 battery.
The power LED on the charger doesn't turn on.	– Replace the fuse inside the charger. (Contact customer service for a replacement fuse and instructions on changing it. – Replace the battery.
The radio won't transmit.	– Make sure you are not in weather or scan mode. – Make sure you are not trying to transmit on a receive-only channel or transmit at the wrong power level for this channel (see the channel lists starting on page 19). – 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 5 minutes.
I can't hear anything from the speaker.	Adjust the squelch level; it is probably too high.
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?
I'm not getting hazard alerts.	Make sure Weather Alert Watch is turned on.
The display flashes, and I don't know why.	The channel number on the display will flash if the radio is in a watch mode or in scan mode. Try turning off scanning, Weather Alert Watch, Triple Watch, or Dual Watch (see page 6).
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/Canada marine channels
	10 Weather channels
Freq. Control	PLL
Freq. Tol.	Transmit: 1.5 PPM (at 25°C)
	Receive: 1.5 PPM (at 25°C)
Oper. Temp.	-4°F (-20°C) to +122°F(+50°C)
Antenna	Flexible Whip
Microphone	Built-in Electret type
Display	Liquid Crystal Display
Speaker	8Ω 0.5 Watt
Power Source	Rechargeable Lithium Ion Battery 7.4V 1100 mAh
Size (without antenna)	4.57 (H) x 2.49 (W) x 1.53 (D) inch 116.2 (H) x 63.3 (W) x 39 (D) mm
Weight	10.5 oz (297g) (w/battery and antenna)
Transmitter	
Frequency Range	156.025~161.6 MHz
Frequency Stability	±10 PPM
Power Output	1.0 W & 2.5W & 5W
Spurious Emissions	40 dBm Nominal
Current Drain	1359 mA (5W) Nominal
Receiver	
Type	Direct Conversion Super Heterodyne Phase Locked Loop system for Local Oscillator
Frequency Range	156.050~163.275 MHz Nominal
Sensitivity	0.22uV Nominal for 12dB SINAD
Squelch Sensitivity	Threshold 0.12uV Nominal
Audio Frequency Response	+5 dB @ 500 Hz; -6 dB @ 2000Hz

Adjacent Channel Selectivity	65dB Nominal @ ± 25 kHz
Audio Output Power	0.4 W @10% THD
Current Drain	Squelched: 75mA; Max. Audio: 200 mA

CHANNELS AND FREQUENCIES

US CHANNEL FREQUENCIES AND NAMES

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
1001	156.0500	156.0500	Simplex	Vessel traffic system/Commercial
1003	156.1500	156.1500	Simplex	Coast guard only
1005	156.2500	156.2500	Simplex	Vessel traffic system/Commercial
6	156.3000	156.3000	Simplex	Inter-ship safety
1007	156.3500	156.3500	Simplex	Commercial
8	156.4000	156.4000	Simplex	Commercial(ship-ship)
9	156.4500	156.4500	Simplex	Non Commercial
10	156.5000	156.5000	Simplex	Commercial
11	156.5500	156.5500	Simplex	Vessel traffic system
12	156.6000	156.6000	Simplex	Vessel traffic system
13	156.6500	156.6500	Simplex, 1W	Bridge to bridge
14	156.7000	156.7000	Simplex	Vessel traffic system
15	Inhibit	156.7500	Receive Only	Environmental
16	156.8000	156.8000	Simplex	Distress, Safety, Calling

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
17	156.8500	156.8500	Simplex, 1W	Govt maritime control
1018	156.9000	156.9000	Simplex	Commercial
1019	156.9500	156.9500	Simplex	Commercial
20	157.0000	161.6000	Duplex	Port operations
1020	157.0000	157.0000	Simplex	Port operations
1021	157.0500	157.0500	Simplex	Coast guard only
1022	157.1000	157.1000	Simplex	Coast guard
1023	157.1500	157.1500	Simplex	Coast guard only
24	157.2000	161.8000	Duplex	Marine operator
25	157.2500	161.8500	Duplex	Marine operator
26	157.3000	161.9000	Duplex	Marine operator
27	157.3500	161.9500	Duplex	Marine operator
28	157.4000	162.0000	Duplex	Marine operator
1061	156.0750	156.0750	Simplex	Coast guard only
1063	156.1750	156.1750	Simplex	Vessel traffic system
1064	156.2250	156.2250	Simplex	Marine operator
1065	156.2750	156.2750	Simplex	Port operations
1066	156.3250	156.3250	Simplex	Port operations
67	156.3750	156.3750	Simplex, 1W	Bridge to bridge
68	156.4250	156.4250	Simplex	Non Commercial
69	156.4750	156.4750	Simplex	Non Commercial
70	156.5250	156.5250	Receive Only	Digital Selective Service
71	156.5750	156.5750	Simplex	Non Commercial
72	156.6250	156.6250	Simplex	Non Commercial* (ship-ship)
73	156.6750	156.6750	Simplex	Port operations

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
74	156.7250	156.7250	Simplex	Port operations
75	156.7750	156.7750	Simplex, 1W	Port operations (ship-ship)
76	156.8250	156.8250	Simplex, 1W	Port operations (ship-ship)
77	156.8750	156.8750	Simplex, 1W	Port operations (ship-ship)
1078	156.9250	156.9250	Simplex	Non Commercial
1079	156.9750	156.9750	Simplex	Commercial
1080	157.0250	157.0250	Simplex	Commercial
1081	157.0750	157.0750	Simplex	Coast guard only
1082	157.1250	157.1250	Simplex	Coast guard only
1083	157.1750	157.1750	Simplex	Coast guard only
84	157.2250	161.8250	Duplex	Marine operator
85	157.2750	161.8750	Duplex	Marine operator
86	157.3250	161.9250	Duplex	Marine operator
87	157.3750	157.3750	Simplex	Port operations
88	157.4250	157.4250	Simplex	Port operations

CANADIAN CHANNEL FREQUENCIES AND NAMES

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
1	156.0500	160.6500	Duplex	Marine operator
2	156.1000	160.7000	Duplex	Marine operator
3	156.1500	160.7500	Duplex	Marine operator
1004	156.2000	156.2000	Simplex	Canadian coast guard
1005	156.2500	156.2500	Simplex	Vessel traffic system
6	156.3000	156.3000	Simplex	Inter-ship safety

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
1007	156.3500	156.3500	Simplex	Commercial
8	156.4000	156.4000	Simplex	Commercial (ship-ship)
9	156.4500	156.4500	Simplex	Boater calling channel
10	156.5000	156.5000	Simplex	Commercial
11	156.5500	156.5500	Simplex	Vessel traffic system
12	156.6000	156.6000	Simplex	Vessel traffic system
13	156.6500	156.6500	Simplex, 1W	Bridge to bridge
14	156.7000	156.7000	Simplex	Vessel traffic system
15	156.7500	156.7500	Simplex, 1W	Commercial
16	156.8000	156.8000	Simplex	Distress, Safety, Calling
17	156.8500	156.8500	Simplex, 1W	State Control
1018	156.9000	156.9000	Simplex	Commercial
1019	156.9500	156.9500	Simplex	Canadian coast guard
20	157.0000	161.6000	Duplex, 1W	Canadian coast guard
1021	157.0500	157.0500	Simplex	Canadian coast guard
2021	Inhibit	161.6500	Simplex	CMB Service
1022	157.1000	157.1000	Simplex	Canadian coast guard
23	157.1500	161.7500	Duplex	Marine operator

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
2023	Inhibit	161.7500	Simplex	CMB Service
24	157.2000	161.8000	Duplex	Marine operator
25	157.2500	161.8500	Duplex	Marine operator
2025	Inhibit	161.8500	Simplex	CMB Service
26	157.3000	161.9000	Duplex	Marine operator
27	157.3500	161.9500	Duplex	Marine operator
28	157.4000	162.0000	Duplex	Marine operator
2028	Inhibit	162.0000	Simplex	CMB Service
60	156.0250	160.6250	Duplex	Marine operator
1061	156.0750	156.0750	Simplex	Canadian coast guard
1062	156.1250	156.1250	Simplex	Canadian coast guard
1063	156.1750	156.1750	Simplex	Vessel traffic system
64	156.2250	160.8250	Duplex	Marine operator
1064	156.2250	156.2250	Simplex	Marine operator
1065	156.2750	156.2750	Simplex	Port operations
1066	156.3250	156.3250	Simplex, 1W	Port operations
67	156.3750	156.3750	Simplex	Commercial
68	156.4250	156.4250	Simplex	Non Commercial
69	156.4750	156.4750	Simplex	Commercial
70	156.5250	156.5250	Receive Only	Digital Selective Service
71	156.5750	156.5750	Simplex	Non Commercial
72	156.6250	156.6250	Simplex	Non Commercial*
73	156.6750	156.6750	Simplex	Commercial
74	156.7250	156.7250	Simplex	Commercial

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
75	156.7750	156.7750	Simplex, 1W	Port operations (ship-ship)
76	156.8250	156.8250	Simplex, 1W	Port operations (ship-ship)
77	156.8750	156.8750	Simplex, 1W	Port operations (ship-ship)
1078	156.9250	156.9250	Simplex	Non Commercial
1079	156.9750	156.9750	Simplex	Commercial
1080	157.0250	157.0250	Simplex	Commercial
1081	157.0750	157.0750	Simplex	Canadian coast guard
1082	157.1250	157.1250	Simplex	Canadian coast guard
1083	157.1750	157.1750	Simplex	Canadian coast guard
2083	Inhibit	161.7750	Simplex	CMB Service
84	157.2250	161.8250	Duplex	Marine operator
85	157.2750	161.8750	Duplex	Marine operator
86	157.3250	161.9250	Duplex	Marine operator
87	157.3750	157.3750	Simplex	Port operations
88	157.4250	157.4250	Simplex	Port operations

INTERNATIONAL CHANNEL FREQUENCIES AND NAMES

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
1	156.0500	160.6500	Duplex	Marine operator
2	156.1000	160.7000	Duplex	Marine operator
3	156.1500	160.7500	Duplex	Marine operator
4	156.2000	160.8000	Duplex	Marine operator

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
5	156.2500	160.8500	Duplex	Marine operator
6	156.3000	156.3000	Simplex	Inter-ship safety
7	156.3500	160.9500	Duplex	Marine operator
8	156.4000	156.4000	Simplex	Commercial (ship-ship)
9	156.4500	156.4500	Simplex	Boater calling channel
10	156.5000	156.5000	Simplex	Commercial
11	156.5500	156.5500	Simplex	Vessel traffic system
12	156.6000	156.6000	Simplex	Vessel traffic system
13	156.6500	156.6500	Simplex	Bridge to bridge
14	156.7000	156.7000	Simplex	Vessel traffic system
15	156.7500	156.7500	Simplex, 1W	Commercial
16	156.8000	156.8000	Simplex	Distress, Safety, Calling
17	156.8500	156.8500	Simplex, 1W	Govt maritime control
18	156.9000	161.5000	Duplex	Port operations
19	156.9500	161.5500	Duplex	Port operations
1019	156.9500	156.9500	Simplex	Commercial
2019	161.5500	161.5500	Simplex	Port operations
20	157.0000	161.6000	Duplex	Port operations
1020	157.0000	157.0000	Simplex	Port operations
2020	161.6000	161.6000	Simplex	Port operations
21	157.0500	161.6500	Duplex	Port operations
22	157.1000	161.7000	Duplex	Port operations
23	157.1500	161.7500	Duplex	Marine operator
24	157.2000	161.8000	Duplex	Marine operator

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
25	157.2500	161.8500	Duplex	Marine operator
26	157.3000	161.9000	Duplex	Marine operator
27	157.3500	161.9500	Duplex	Marine operator
28	157.4000	162.0000	Duplex	Marine operator
60	156.0250	160.6250	Duplex	Marine operator
61	156.0750	160.6750	Duplex	Marine operator
62	156.1250	160.7250	Duplex	Marine operator
63	156.1750	160.7750	Duplex	Marine operator
64	156.2250	160.8250	Duplex	Marine operator
65	156.2750	160.8750	Duplex	Marine operator
66	156.3250	160.9250	Duplex	Marine operator
67	156.3750	156.3750	Simplex	Bridge to bridge
68	156.4250	156.4250	Simplex	Non commercial
69	156.4750	156.4750	Simplex	Port operations (ship-ship)
70	156.5250	156.5250	Receive Only	Digital Selective Service
71	156.5750	156.5750	Simplex	Port operations
72	156.6250	156.6250	Simplex	Non commercial
73	156.6750	156.6750	Simplex	Port operations (ship-ship)
74	156.7250	156.7250	Simplex	Port operations (ship-ship)
75	156.7750	156.7750	Simplex, 1W	Port operations (ship-ship)
76	156.8250	156.8250	Simplex, 1W	Port operations (ship-ship)
77	156.8750	156.8750	Simplex	Port operations (ship-ship)
78	156.9250	161.5250	Duplex	Marine operator

Ch No.	TX Freq.	RX Freq.	Status	Channel Name
1078	156.9250	156.9250	Simplex	Port operations
2078	161.5250	161.5250	Simplex	Port operations
79	156.9750	161.5750	Duplex	Port operations
1079	156.9750	156.9750	Simplex	Port operations
2079	161.5750	161.5750	Simplex	Port operations
80	157.0250	161.6250	Duplex	Port operations
81	157.0750	161.6750	Duplex	Port operations
82	157.1250	161.7250	Duplex	Marine operator
83	157.1750	161.7750	Duplex	Marine operator
84	157.2250	161.8250	Duplex	Marine operator
85	157.2750	161.8750	Duplex	Marine operator
86	157.3250	161.9250	Duplex	Marine operator
87	157.3750	157.3750	Simplex	Port operations
88	157.4250	157.4250	Simplex	Port operations

WEATHER CHANNEL FREQUENCIES AND NAMES

Channel	RX
WX01	162.5500
WX02	162.4000
WX03	162.4750
WX04	162.4250
WX05	162.4500
WX06	162.5000
WX07	162.5250
WX08	161.6500
WX09	161.7750
WX10	163.2750

REGULATIONS AND SAFETY WARNINGS

WARNING! Read this information before using the radio.

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 E-21 through page E-29 (and F-26 through F-33) 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: 5W
- Emission: 16K0F3E
- Transmitter Frequency Range: 156.025-161.600 MHz

This device complies with Part 80 of the FCC Rules, as well as 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.

BODY-WORN OPERATION

This equipment was tested for typical body worn operations using the supplied belt clip. To maintain compliance with FCC RF exposure requirements, body worn operations are restricted to the supplied belt clip. 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.

LITHIUM ION BATTERY WARNING

This equipment contains a rechargeable Lithium Ion battery. The rechargeable Lithium Ion battery contained in this equipment may explode if disposed of in a fire.

Do not short-circuit the battery.

Do not charge the rechargeable battery used in this equipment in any charger other than the one specified in the owner's manual. Using another charger may damage the battery or cause the battery to explode.

Li-Ion batteries must be recycled or disposed of properly.

Avoid exposing the battery (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 battery pack 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.

COMPLIANCE

FCC PART 15

The equipment has been tested and found to comply with the limits for a Class B device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. Any change or modification must be approved in writing by Uniden.

This device complies with Part 15 of the FCC rules.

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.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement. Tout changement ou modification doit être approuvé par écrit par Uniden.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including

interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur.

THREE YEAR LIMITED WARRANTY STATEMENT

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
C/O Saddle Creek
743 Henrietta Creek Rd., Suite 100
Roanoke, TX 76262

QUESTIONS?

Contactez-nous au
www.uniden.com.

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