

Uniden®

MH 120

TWO-WAY VHF UNIDEN MARINE RADIO



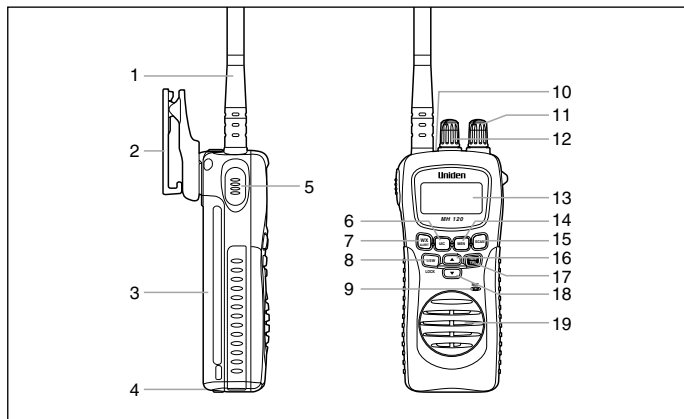
OWNER'S MANUAL

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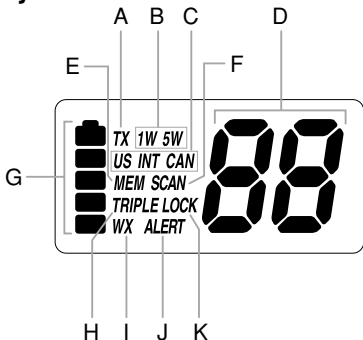
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Controls and Indicators



- 1 Antenna
- 2 Belt Clip
- 3 Battery
- 4 Battery Release Clip
- 5 PTT (Push to Talk) Key
- 6 USA/International/Canadian Button (**UIC**)
- 7 WX Mode/Weather Alert Button (**WX/ALERT**)
- 8 TX Power/Lock Button (**1/5W/LOCK**)
- 9 Microphone
- 10 Speaker MIC (Optional) Jack
- 11 Volume/Power Knob (**VOL**)
- 12 Squelch Knob (**SQ**)
- 13 LCD Display
- 14 Memory Button (**MEM**)
- 15 Scan Button (**SCAN**)
- 16 Channel Up Button (**▲**)
- 17 16/9 - Triple Watch Button (**16/9/TRI**)
- 18 Channel Down Button (**▼**)
- 19 Speaker

LCD Display



- A Transmit Indicator
- B TX Power Indicator
- C USA/International/Canadian (**US/INT/CAN**) Indicator
- D Channel Number Display
- E Memory Indicator
- F Scan Indicator
- G Battery Indicator
- H Triple Watch Indicator
- I Weather Mode Indicator
- J Weather Alert Indicator
- K Key Lock Indicator

Warning!

- The **MH 120** is waterproof only when both the antenna and the battery are properly attached.
- Do not operate the transmitter of any radio equipment unless all the Radio Frequency (RF) connectors are secure and any open connectors are properly terminated.
- Do not operate the transmitter of any radio equipment near electrical blasting caps or in an explosive atmosphere.
- Do not let children operate any transmitter-equipped radio equipment without proper supervision.
- Have your radio equipment serviced by a qualified technician.
- Do not operate the transmitter of any radio equipment with the antenna touching or close to the eyes, face, or exposed body parts.

Introduction

The **MH 120** is a waterproof, portable two-way VHF 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 **MH 120's** features, please read this operating guide carefully before using the unit.

Features

- Waterproof (meets JIS4 waterproof specifications)
- Triple Watch Mode
- Priority Channel Startup (Channel 16)
- Programmable Memory
- One-Touch Channel 16/9
- 10 Weather Channels
- Weather Alert
- Memory Scan
- USA, International and Canadian Channels
- Battery Save Operation
- Key Lock
- Back-Lit Keys and Display
- Belt Clip
- Wrist Strap
- TX Power 1W/5W
- Alkaline Battery Case (Alkaline batteries are not included)

Technical Support and Service

Your Uniden dealer can provide you with sales assistance and information. If your marine radio does not perform properly, follow the troubleshooting tips in the back of this operating guide.

For technical support contact Uniden at 1-800-586-0409. The radio contains no user-serviceable parts.

Unauthorized adjustment will void the warranty and may cause illegal radio operation.

Be sure that a qualified technician services your radio equipment.

Caution: Changes or modifications to this product not expressly approved by Uniden, or operation of this product in any way other than as detailed by this Operating Guide, can void your authority to operate this product.

Maritime Radio Services Operation

This transmitter will operate on channels/frequencies that have restricted use in the United States. The channel assignments include frequencies assigned for exclusive use of the U.S. Coast Guard, use in Canada, and use in international waters. Operation in these frequencies without proper authorization is strictly forbidden. For frequencies/channels that are currently for use in the world see page 19~24. Please contact the FCC Call Center at 1-888-CALL-FCC for any additional channel information.

Included in Your Package



MH 120



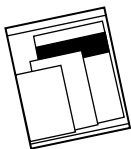
Antenna
(HH9408)



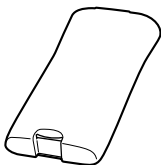
Beltclip



Wrist Strap
(RETC484647Z)



Reference Guide/
Printed Material



Alkaline Battery Case
(attached to the MH 120)

If any of these items are missing from the box, contact your Uniden Dealer or the Uniden Parts Department at (800)-554-3988.

Getting Started

Attaching the Antenna

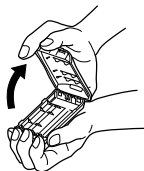
Apply the antenna to the radio as shown. Be sure the antenna is firmly seated.



Installing the Alkaline Battery Case

1 Snap the battery release clip out and remove the alkaline battery case.

2 Remove the battery case cover by pulling the 2 halves apart applying your fingers to the projections.



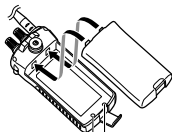
3 Install 6 AA Alkaline batteries (not included) into the battery case. Be certain to follow the + and - symbols in the compartment.



4 Replace the battery case cover as follows until it clicks into place.



5 Place the battery case onto the back of the radio. It will only fit in one way.



6 Snap the battery release clip until it clicks. Be sure the battery case fits tightly against the body.

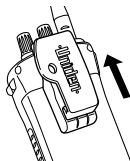


Attaching the Beltclip

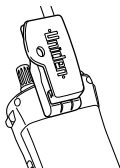
- 1 Hold the beltclip in the direction as illustrated.



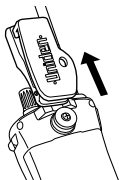
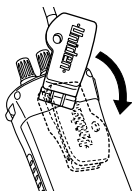
- 2 Apply it to the hanger piece on the back of the radio. Then slide it up.



- 3 When you hear a click, the beltclip is firmly attached.



- 4 To take the beltclip off the radio, turn it upside down and slide it up.



Operation

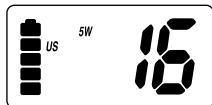
- See “Controls and Indicators” (page 2) for button, knob, and key positions.
- When you turn On your **MH 120** just after purchasing, it is automatically tuned to channel 16, the United States Coast Guard frequency for distress, safety, and calling.
- When you press any button (except **PTT**), a short tone sounds.

Turning On the Unit and Setting Squelch

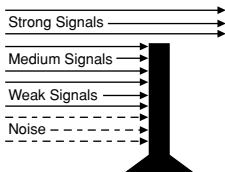
1 Before you turn On the unit, turn the squelch (**SQ**) knob fully counterclockwise.



2 Then, turn On the unit by turning the Volume/Power (**VOL**) knob clockwise until you hear a hissing sound.



3 Turn the **SQ** knob clockwise, just until the hissing sound stops. Use the knob to adjust to the desired squelch level. Think of the squelch control as a frequency gate which controls access to weak or strong signals depending on its setting.

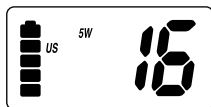


- To listen to a weak or distant station, turn the knob counterclockwise. If reception is poor, turn it clockwise to cut out weak transmissions.
- If the squelch control is adjusted so that you continually hear a hissing sound, the unit will not scan properly.

4 To turn Off the unit, turn the **VOL** knob counterclockwise until it clicks.

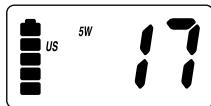
Selecting a Channel

1 Turn On your **MH 120**.



↓ [UP]

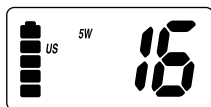
2 To select a higher channel, press the ▲ button.



↓ [DOWN]

3 To select a lower channel, press the ▼ button.

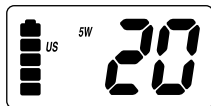
- To change the channel continuously, press and hold the ▲ or ▼ button for more than 1 second.



One-touch Channel 16/9/TRI

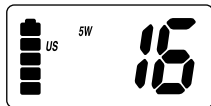
Example: While you are monitoring channel 20, you want to check channel 16 or channel 9.

1 You are now on channel 20.



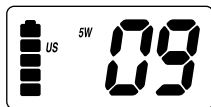
↓

2 To monitor channel 16, press the **16/9/TRI** button.



↓

3 To monitor channel 9, press the **16/9/TRI** button again.



4 To return to channel 20, press the **16/9/TRI** button again.

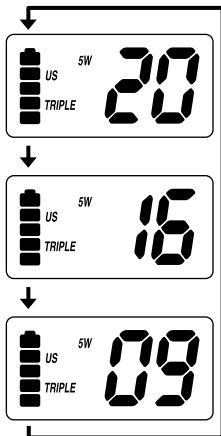
Triple Watch

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 To select Triple Watch mode, press and hold the **16/9/TRI** button for 2 seconds. A double confirmation tone sounds and **TRIPLE** appears on the display.

2 To exit from Triple Watch, press and hold the **16/9/TRI** button for 2 seconds. A double confirmation tone sounds and **TRIPLE** disappears.

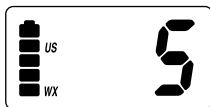
- While in Triple Watch mode, you can change the currently selected channel using the **▲** or **▼** button.
- A momentary press of the **16/9/TRI** button interrupts Triple Watch mode and remains on 16, or on channel 9 if you press once more. To return to the Triple Watch mode, simply press the button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



Monitoring Weather Channels

The **MH 120** has 10 preprogrammed emergency/weather channel frequencies, represented by 0 through 9.

- 1** To listen to the emergency/weather channels in your area, press the **WX/ALERT** button. **WX** appears on the display.



↓ [UP]

- 2** To move up, press the ▲ button.



↓ [DOWN]

- 3** To move down, press the ▼ button.



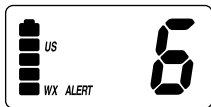
- 4** To exit, press the **WX/ALERT** button. **WX** disappears from the display.
 - To change the channel continuously, press and hold the ▲ or ▼ button for more than 1 second.

Emergency/Weather Alert

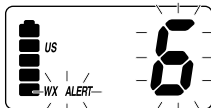
Emergency/Weather Alert allows your **MH 120** to function as a severe weather warning radio and will also alert you to any local or national emergencies. If the NOAA issues warning while this feature is turned On, the radio sounds an alert tone. You will then hear the emergency/weather broadcast.

1 To use Emergency/Weather Alert, select the emergency/weather channel in your area.

2 Press and hold the **WX/ALERT** button for 2 seconds. A double confirmation tone sounds.



3 When the unit receives a warning signal, it beeps for 5 seconds. **WX, ALERT**, and the channel number blinks.

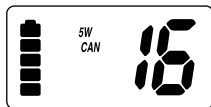
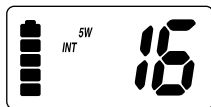
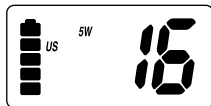


4 To turn Off Emergency/Weather Alert, press and hold the **WX/ALERT** button for 2 seconds. A double confirmation tone sounds.

- When Emergency/Weather Alert is activated, the highest priority is given this function. If the unit is in Scan, Triple Watch, or any other marine channels, it checks the weather alert signals every 7 seconds and switches to the warning receive mode automatically.

USA, International and Canadian Channels

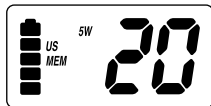
- 1** The **MH 120** is initially set for USA marine channels when you turn On your radio.
- 2** To listen to international marine channels, press the **UIC** button once. **INT** appears on the display.
- 3** To listen to Canadian marine channels, press the **UIC** button again. **CAN** appears on the display.
- 4** The radio will keep the last mode setting that was selected when turned back On.
 - For USA, international and Canadian marine channels and functions, refer to the tables starting on page 19.



Programming a Channel into Memory

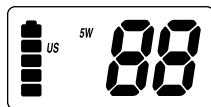
Before using the scanning feature, you have to program channels into memory.

- 1** Select the channel to enter into memory by pressing the **▲** or **▼** button.
- 2** Press the **MEM** button to store the channel. **MEM** appears on the display.



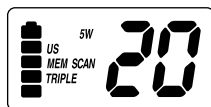
Deleting a Channel from Memory

- 1 Select the channel to delete from memory by pressing the ▲ or ▼ button.
- 2 Press the **MEM** button. MEM disappears from the display.



Scanning

- 1 To begin scanning the programmed channels, press the **SCAN** button. SCAN and TRIPLE appear on the display.
- 2 To stop scanning, press the **SCAN** button once more. SCAN and TRIPLE disappear from the display.



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

Transmitting

- 1 Transmission power can be set to either 5W or 1W.

Press the **1/5W/LOCK** button to make the change, then the 5W or the 1W indicator on the display changes accordingly.



- 2 To transmit, press and hold the **PTT** (push-to-talk) key. TX appears on the display.
- 3 To return to receive, release the **PTT** key. TX disappears from the display.
 - If the **PTT** key is pressed for more than 5 minutes, TX starts blinking and the transmission ends. The TX time out tone will sound until the **PTT** key is released.
 - If the battery indicator drops to the blinking 1-mark level on the display and the **PTT** key is pressed, the radio will not transmit and the TX icon starts blinking. (Refer to the description of the Battery Indicator on the next page.)

Lighted Keys and Display

To light the display, press any key excluding the **PTT** key.

- If you press any button other than the **PTT** key while the display and keypad are illuminated, it remains illuminated for another 5 seconds.

Turning off and reactivating the Key Beep

Your radio emits a beep each time one of the buttons (except for the **PTT** key) is pressed.

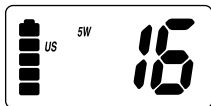
To turn off or reactivate the Key beep:

Turn the radio on again while pressing and holding the ▲ or ▼ buttons.

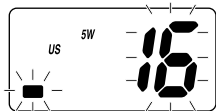
Battery Indicator

When the unit is On, battery power is always indicated on the display.

When the battery is fully charged, the battery indicator appears as follows:



When the battery is nearly discharged, the battery indicator appears as follows:



- When the battery indicator drops to the blinking 1-mark level on the display, the radio will receive but will not transmit.

Key Lock

To prevent accidental entries, you can lock the keypad.

- 1** Press and hold the **1/5W/LOCK** button for 2 seconds. A double confirmation tone sounds. **LOCK** appears on the display.
 - 2** To unlock the keypad, press and hold the **1/5W/LOCK** button again for 2 seconds. A double confirmation tone sounds. **LOCK** disappears from the display.
- You can also unlock the keypad by turning the radio Off and then On again.

Marine Channels - USA

Channel Desig	Frequency (MHz)		Traffic Type	Note	Ship to Ship	Ship to Shore
	Transmit	Receive				
WX0	—	163.275	NOAA Weather		RX Only	RX Only
WX1	—	162.550	NOAA Weather		RX Only	RX Only
WX2	—	162.400	NOAA Weather		RX Only	RX Only
WX3	—	162.475	NOAA Weather		RX Only	RX Only
WX4	—	162.425	NOAA Weather		RX Only	RX Only
WX5	—	162.450	NOAA Weather		RX Only	RX Only
WX6	—	162.500	NOAA Weather		RX Only	RX Only
WX7	—	162.525	NOAA Weather		RX Only	RX Only
WX8	—	161.650	Can. Weather		RX Only	RX Only
WX9	—	161.775	Can. Weathe		RX Only	RX Only
01	156.050	156.050	Com'l, Port Ops, VTS		Yes	Yes
02				INH		
03	156.150	156.150	Com'l, Port Ops, VTS		Yes	Yes
04				INH		
05	156.250	156.250	Port Ops, VTS		Yes	Yes
06	156.300	156.300	Safety		Yes	No
07	156.350	156.350	Com'l		Yes	Yes
08	156.400	156.400	Com'l		Yes	No
09	156.450	156.450	Com'l & Non Com'l		Yes	Yes
10	156.500	156.500	Com'l		Yes	Yes
11	156.550	156.550	Com'l, VTS, SMS		Yes	Yes
12	156.600	156.600	Port Ops, VTS, SMS		Yes	Yes
13	156.650	156.650	Navigational	1W	Yes	No
14	156.700	156.700	Port Ops		Yes	Yes
15	RX Only	156.750	Environmental			RX Only
16	156.800	156.800	Distress, Safety, Calling		Yes	Yes
17	156.850	156.850	State Control		Yes	Yes
18	156.900	156.900	Com'l		Yes	Yes
19	156.950	156.950	Com'l		Yes	Yes
20	157.000	157.000	Port Ops		Yes	Yes
21	157.050	157.050	U.S. Govt Only		Yes	Yes
22	157.100	157.100	Coast Guard		Yes	Yes
23	157.150	157.150	U.S. Govt Only		Yes	Yes

Channel Desig	Frequency (MHz)		Traffic Type	Note	Ship to Ship	Ship to Shore
	Transmit	Receive				
24	157.200	161.800	Public Corresp.	DUP	No	Yes
25	157.250	161.850	Public Corresp.	DUP	No	Yes
26	157.300	161.900	Public Corresp.	DUP	No	Yes
27	157.350	161.950	Public Corresp.	DUP	No	Yes
28	157.400	162.000	Public Corresp.	DUP	No	Yes
60				INH		
61	156.075	156.075				
62				INH		
63	156.175	156.175				
64	156.225	156.225				
65	156.275	156.275	Port Ops		No	Yes
66	156.325	156.325	Port Ops		Yes	Yes
67	156.375	156.375	Com'l	1W	Yes	No
68	156.425	156.425	Non Com'l		Yes	Yes
69	156.475	156.475	Non Com'l		Yes	Yes
70	RX Only	156.525				
71	156.575	156.575	Non Com'l		Yes	Yes
72	156.625	156.625	Non Com'l		Yes	No
73	156.675	156.675	Port Ops		Yes	Yes
74	156.725	156.725	Port Ops		Yes	Yes
77	156.875	156.875	Port Ops		Yes	No
78	156.925	156.925	Non Com'l		Yes	Yes
79	156.975	156.975	Com'l		Yes	Yes
80	157.025	157.025	Com'l		Yes	Yes
81	157.075	157.075	U.S. Govt Only		Yes	Yes
82	157.125	157.125	U.S. Govt Only		Yes	Yes
83	157.175	157.175	U.S. Govt Only		Yes	Yes
84	157.225	161.825	Public Corresp.	DUP	No	Yes
85	157.275	161.875	Public Corresp.	DUP	No	Yes
86	157.325	161.925	Public Corresp.	DUP	No	Yes
87	157.375	161.975	Public Corresp.	DUP	No	Yes
88	157.425	157.425	Com'l		Yes	No

Marine Channels - International

Channel Desig	Frequency (MHz)		Traffic Type	Ship to Ship	Ship to Shore	Permanent Scan List
	Transmit	Receive				
WX0	—	163.275	NOAA Weather	RX Only	RX Only	Weather
WX1	—	162.550	NOAA Weather	RX Only	RX Only	Weather
WX2	—	162.400	NOAA Weather	RX Only	RX Only	Weather
WX3	—	162.475	NOAA Weather	RX Only	RX Only	Weather
WX4	—	162.425	NOAA Weather	RX Only	RX Only	Weather
WX5	—	162.450	NOAA Weather	RX Only	RX Only	Weather
WX6	—	162.500	NOAA Weather	RX Only	RX Only	Weather
WX7	—	162.525	NOAA Weather	RX Only	RX Only	Weather
WX8	—	161.650	Can. Weather	RX Only	RX Only	Weather
WX9	—	161.775	Can. Weather	RX Only	RX Only	Weather
01	156.050	160.650	Duplex	Yes	Yes	
02	156.100	160.700	Duplex	Yes	Yes	
03	156.150	160.750	Duplex	Yes	Yes	
04	156.200	160.800	Duplex	Yes	Yes	
05	156.250	160.850	Duplex	Yes	Yes	
06	156.300	156.300		Yes	No	
07	156.350	160.950	Duplex	Yes	Yes	
08	156.400	156.400		Yes	No	
09	156.450	156.450		Yes	Yes	Fish
10	156.500	156.500		Yes	Yes	
11	156.550	156.550		Yes	Yes	
12	156.600	156.600		Yes	Yes	
13	156.650	156.650		Yes	Yes	
14	156.700	156.700		Yes	Yes	
15	156.750	156.750		Yes	Yes	Environmental
16	156.800	156.800		Yes	Yes	
17	156.850	156.850		Yes	Yes	
18	156.900	161.500	Duplex	Yes	Yes	
19	156.950	161.550	Duplex	Yes	Yes	
20	157.000	161.600	Duplex	Yes	Yes	
21	157.050	161.650	Duplex	Yes	Yes	
22	157.100	161.700	Duplex	Yes	Yes	
23	157.150	161.750	Duplex	Yes	Yes	

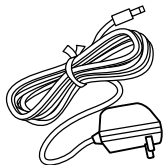
Channel Desig	Frequency (MHz)		Traffic Type	Ship to Ship	Ship to Shore	Permanent Scan List
	Transmit	Receive				
24	157.200	161.800	Duplex	No	Yes	Busy Tel.
25	157.250	161.850	Duplex	No	Yes	Busy Tel.
26	157.300	161.900	Duplex	No	Yes	Busy Tel.
27	157.350	161.950	Duplex	No	Yes	Busy Tel.
28	157.400	162.000	Duplex	No	Yes	Busy Tel.
60	156.025	160.625	Duplex			
61	156.075	160.675	Duplex			
62	156.125	160.725	Duplex			
63	156.175	160.775	Duplex			
64	156.225	160.825	Duplex			
65	156.275	160.875	Duplex	Yes	Yes	
66	156.325	160.925	Duplex	Yes	Yes	
67	156.375	156.375		Yes	No	
68	156.425	156.425		Yes	Yes	Fish
69	156.475	156.475		Yes	Yes	Fish
70	RX Only	156.525				
71	156.575	156.575		Yes	Yes	Fish
72	156.625	156.625		Yes	No	Fish
73	156.675	156.675		Yes	Yes	
74	156.725	156.725		Yes	Yes	
77	156.875	156.875		Yes	No	
78	156.925	161.525	Duplex	Yes	Yes	
79	156.975	161.575	Duplex	Yes	Yes	
80	157.025	161.625	Duplex	Yes	Yes	
81	157.075	161.675	Duplex	Yes	Yes	Coast Guard
82	157.125	161.725	Duplex	Yes	Yes	
83	157.175	161.775	Duplex	Yes	Yes	Coast Guard
84	157.225	161.825	Duplex	No	Yes	Busy Tel.
85	157.275	161.875	Duplex	No	Yes	Busy Tel.
86	157.325	161.925	Duplex	No	Yes	Busy Tel.
87	157.375	161.975	Duplex	No	Yes	Busy Tel.
88	157.425	162.025	Duplex	Yes	No	Busy Tel.

Marine Channels - Canada

Channel Desig	Frequency (MHz)		Traffic Type	Ship to Ship	Ship to Shore	Permanent Scan List
	Transmit	Receive				
WX0	—	163.275	NOAA Weather	RX Only	RX Only	
WX1	—	162.550	NOAA Weather	RX Only	RX Only	
WX2	—	162.400	NOAA Weather	RX Only	RX Only	
WX3	—	162.475	NOAA Weather	RX Only	RX Only	
WX4	—	162.425	NOAA Weather	RX Only	RX Only	
WX5	—	162.450	NOAA Weather	RX Only	RX Only	
WX6	—	162.500	NOAA Weather	RX Only	RX Only	
WX7	—	162.525	NOAA Weather	RX Only	RX Only	
WX8	—	161.650	Can. Weather	RX Only	RX Only	
WX9	—	161.775	Can. Weather	RX Only	RX Only	
01	156.050	160.650	Duplex	Yes	Yes	
02	156.100	160.700	Duplex	Yes	Yes	
03	156.150	160.750	Duplex	Yes	Yes	
04	156.200	156.200		Yes	Yes	
05	156.250	156.250		Yes	Yes	
06	156.300	156.300		Yes	No	
07	156.350	156.350		Yes	Yes	
08	156.400	156.400		Yes	No	
09	156.450	156.450		Yes	Yes	Fish
10	156.500	156.500		Yes	Yes	
11	156.550	156.550		Yes	Yes	
12	156.600	156.600		Yes	Yes	
13	156.650	156.650	1W	Yes	Yes	
14	156.700	156.700		Yes	Yes	
15	156.750	156.750	1W	Yes	Yes	Environmental
16	156.800	156.800		Yes	Yes	
17	156.850	156.850	1W	Yes	Yes	
18	156.900	156.900		Yes	Yes	
19	156.950	156.950		Yes	Yes	
20	157.000	161.600	Duplex, 1W	Yes	Yes	
21	157.050	157.050		Yes	Yes	
22	157.100	157.100		Yes	Yes	
23	157.150	161.750	Duplex	Yes	Yes	

Channel Desig	Frequency (MHz) Transmit Receive		Traffic Type	Ship to Ship	Ship to Shore	Permanent Scan List
24	157.200	161.800	Duplex	No	Yes	Busy Tel.
25	157.250	161.850	Duplex	No	Yes	Busy Tel.
26	157.300	161.900	Duplex	No	Yes	Busy Tel.
27	157.350	161.950	Duplex	No	Yes	Busy Tel.
28	157.400	162.000	Duplex	No	Yes	Busy Tel.
60	156.025	160.625	Duplex			
61	156.075	156.075				
62	156.125	156.125				
63			INH			
64	156.225	156.225				
65	156.275	156.275		Yes	Yes	
66	156.325	156.325		Yes	Yes	
67	156.375	156.375		Yes	No	
68	156.425	156.425		Yes	Yes	Fish
69	156.475	156.475		Yes	Yes	Fish
70	RX Only	156.525				
71	156.575	156.575		Yes	Yes	Fish
72	156.625	156.625		Yes	No	Fish
73	156.675	156.675		Yes	Yes	
74	156.725	156.725		Yes	Yes	
77	156.875	156.875		Yes	No	
78	156.925	156.925		Yes	Yes	
79	156.975	156.975		Yes	Yes	
80	157.025	157.025		Yes	Yes	
81	157.075	157.075		Yes	Yes	Coast Guard
82	157.125	157.125		Yes	Yes	
83	157.175	157.175		Yes	Yes	Coast Guard
84	157.225	161.825	Duplex	No	Yes	Busy Tel.
85	157.275	161.875	Duplex	No	Yes	Busy Tel.
86	157.325	161.925	Duplex	No	Yes	Busy Tel.
87	157.375	161.975	Duplex	No	Yes	Busy Tel.
88	157.425	162.025	Duplex	Yes	No	Busy Tel.

Optional Parts and Replacement Accessories



AC Adapter
(BADY0510001)



Mounting Screws



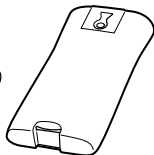
Antenna
(HH9408)



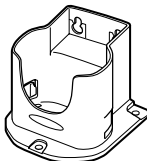
Wrist Strap
(RETC484647Z)



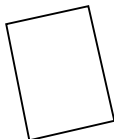
DC Adapter



Ni-MH Battery
(BP 250)



Cradle



Reference Guide



Alkaline Battery Case



Beltclip

Uniden Parts Department

(800)-554-3988

Hours: M-F 8:00AM to 5:00PM CST

We can also be reached on the web at

www.uniden.com

Specifications

General

Channels	Transmit and Receive	All US/International/ Canada Channel
	Weather	10
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 1 Watt
Power Source		6 Duracell Ultra "AA" batteries or Rechargeable Ni-MH Battery Pack (Optional, 7.2V 1350mAh)
Size (without antenna)		5.8 (H) x 2.7 (W) x 1.68 (D) inch 144 (H) x 67 (W) x 42 (D) mm
Weight (w/ antenna)		6.3 oz (180g)
Transmitter (w/ Ni-MH battery)		
Frequency Range		156~158 MHz
Frequency Stability		±10 PPM
Power Output		1.0 W & 5W
Spurious Emissions		-60 dBc (5W)
Current Drain		900mA (1W), 1500mA (5W)
Receiver (w/ Ni-MH battery)		
Receiver Type		Double Conversion Super Heterodyne Phase Locked Loop system for Local Oscillator
Frequency Range		156~164 MHz
Sensitivity		0.35μV for 12dB SINAD
Squelch Sensitivity		Threshold 0.25μV
Audio		±6 dB 500 to 2000Hz
Frequency Response		
Adjacent Channel Selectivity		60 dB @ ±25 kHz
Hum & Noise Ratio		40 dB
Audio Output Power		0.5 W @ 10 % THD
Current Drain	Squelched	45mA
	Max. Audio	180mA

Specifications shown are typical and subject to change without notice.

Troubleshooting

- Not enough range
 - Cause: Line of sight blocked
 - ⇒ Increase antenna height.
- Will not transmit on 5 watt range but will transmit on the 1 watt range.
 - Cause: Low voltage
 - ⇒ Install new batteries.

FCC RF EXPOSURE INFORMATION

WARNING! Read this information before using the radio

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 result in violation of 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 device 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.

- When using an external speaker microphone, USE ONLY THE UNIDEN MODEL HHVTA07 (black) or HHVTAW07 (white). Use of any other accessory for this purpose may invalidate your authority to operate this device.

Three-Year Limited Warranty

Important! Evidence of original purchase is required for warranty service.

WARRANTOR: Uniden

ELEMENTS OF WARRANTY: Uniden warrants for three years, to the original retail owner, this Product excluding optional Ni-MH battery pack to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below. Uniden warrants for 12 months, to the original retail owner, the Ni-MH battery pack to be free from defects in material 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 (12 months for the Ni-MH battery pack) 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 Operation 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 either, at its option, repair or replace the defective unit 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. Warrantor, at its option, may replace the unit with a new or refurbished unit. 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 and Canada.

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). The Product should include all parts and accessories originally packaged with the Product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid by traceable means to warrantor at:

Uniden America Corporation
Parts and Service Division
4700 Amon Carter Blvd.
Ft Worth, TX 76155

(800) 235-3874, 8 AM to 5 PM. Central, Monday through Friday

Thank you for purchasing a Uniden Marine Radio.

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www.uniden.com

FCC WANTS YOU TO KNOW

Changes or modifications to this product not expressly proved by Uniden, or operation of this product in any way other than as detailed by the owner's manual, could void your authority to operate this product.

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