uniden®

MC 795

VHF Marine Radio

uniden®

OPERATING GUIDE

TABLE OF CONTENTS

Uniden MC 795

The Uniden **MC 795** VHF marine radio transceiver has been designed to give you a rugged, reliable instrument that will provide you with years of trouble-free service.

With proper care and maintenance, your **MC 795** will outlast your present vessel and serve you well on-board several more. The full features and flexibility designed into this quality transceiver will prevent it from becoming obsolete regardless of changes in craft or geographic locations.

The technical excellence of the **MC 795** is demonstrated by the multiplicity of uses for which it has been found acceptable by the U.S. Federal Communications Commission. The **MC 795** is acceptable for compulsory use on "party boats," for use on vessels subject to the Great Lakes Radio Agreement or bridge-to-bridge requirements, for general pleasure and commercial vessels, and certain land stations in marine service.

The **MC 795** is of all solid state design with conservatively rated rugged components and materials compatible with the marine environment. The transceiver utilizes a number of gaskets, sealing rings, waterproof membranes, and other sealants to effect a splashproof housing for protection of the electronics. The unit may be mounted in any number of convenient locations on your vessel by utilizing the universal mounting bracket.

You are encouraged to thoroughly read the rest of this Operating Guide to acquaint yourself with the characteristics and operation of your transceiver so that you can contribute to the longevity of your investment.

Be sure to complete the Product Registration Card at the back of this Guide, cut it out and mail it. You also need to complete the enclosed Warranty Registration Card and mail it.

Keep your receipt as proof-of-purchase in case warranty service is required.

INSTALLATION

CAUTION: The MC 795 will operate only with nominal 12 volt negative ground battery systems.

It is important to carefully determine the most suitable location for your MC 795 on your vessel. Electrical, mechanical, and environmental considerations must all be taken into account. You must select the optimum relationship among these considerations.

Keep in mind the flexibility designed into the MC 795 so that you can most conveniently use your radio. Features which should be considered are:

1. The universal mounting bracket may be installed on either the top or bottom of a shelf, on a bulkhead, or for overhead mounting.

2. The REMOTE speaker jack can be used with an auxiliary speaker.

3. All connections are "plug-in" type for easy removal of the radio.

4. Front fire internal speaker allows convenient in-dash mounting using the optional bracket.

CHOOSING A LOCATION

Some important factors to consider in selecting the location for your MC 795:

1. Select a location that is free from spray and splash.

2. Keep the battery leads as short as possible. Direct connection to the battery is most desirable. If direct connection cannot be made with the supplied power lead, any extension should be made with #10 AWG wire. Long extensions should use larger gauge wire.

3. Keep the antenna lead as short as possible. Long antenna leads can cause substantial loss of performance for both receiving and transmitting.

4. Locate your antenna as high as possible and clear from metal objects. The reliable range of coverage is a direct function of antenna height.

5. Select a location that does not allow the radio to be subjected to direct sunlight (including that coming through windows).

6. Select a location that allows free air flow around the heat sink on the rear of the radio.

7. Select a location well away from the ship's compass. Auxiliary speakers also should be located away from the compass.

ENGINE NOISE SUPPRESSION

Interference from the impulse noise generated by the electrical systems of engines is sometimes a problem with radios. The MC 795 has been designed to be essentially impervious to ignition impulse noise and alternator noise. However, in some installations it may be necessary to take measures to further reduce the effect of noise interference. All DC battery wires, antenna lead, and accessory cables should be routed away from the engine and engine compartment, and from power cabling carrying particularly high currents.

In severe cases of impulse noise interference, it may be necessary to install a noise suppression kit. Contact your Uniden Marine Dealer for more information.

ANTENNA CONSIDERATIONS

A variety of antennas is available from a number of quality suppliers. It is recommended you draw upon the advice of your Dealer in determining a suitable antenna for your vessel and range requirements.

In general, communication range is increased by using a high-gain antenna placed as high as possible above the water line. Antennas should be located away from metal objects. Antennas should not have excessively long coaxial feed cables.

INSTALLING THE MC 795

After you have carefully considered the various factors affecting your choice of location, position the radio (with the bracket, microphone, power cord, antenna and any auxiliary cables installed) into the selected location to assure there is no interference with the surrounding items. Mark the location of the mounting bracket. Remove the bracket from the radio and use it as a template to mark the holes to be drilled for the mounting hardware. Drill the holes and mount the bracket with hardware compatible with the material of the mounting surface.

Connect the red wire of the supplied power cord to the positive (+) battery supply. Connect the black wire of the power cord to ground. The power cord is equipped with a fuse to protect the radio. Use only a Six (6) Ampere fast blow fuse for replacement. Connect the power cord to the keyed connector on the power "pigtail" (See page 6).

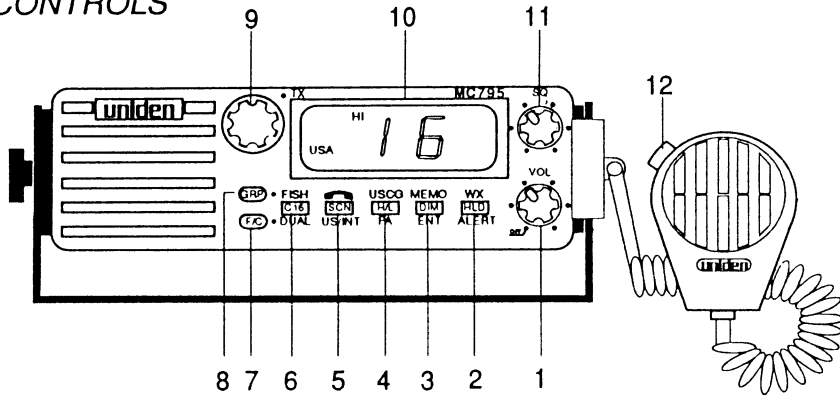Connect the antenna and all other auxiliary cables.

Install the radio in the mounting bracket and connect all cables and accessories to the appropriate jacks and connectors.

CONTROLS AND INDICATORS

NOTE: *For details of use of these Controls, see the OPERATION section.*

FRONT PANEL

CONTROLS

1.   **VOL (On/Off/Volume)** - Turns the **MC 795** On or Off and varies the audio output.

> **NOTE:** *Items 2 through 6 are Tri-Function keys. Refer to the "Tri-Function Keys" section for detailed descriptions.*

2.   **HLD (Hold)**

3.   **DIM**

4.   **H/L (High/Low)**

5.   **SCN (Scan)**

6.   **C16 (Channel 16)**

7.   **F/C (Function/Clear)** - Press once for DUAL, US/INT, PA, ENT, and ALERT. Press twice to clear function.

8.   **GRP (Group)** - Accesses FISH, ☎, USCG, MEMO and WX Scan Modes.

9.   **Rotary Channel Selector** - This control is used to manually select the desired Communication Channel (01 - 28 and 60 - 88), or Weather Channel (0 - 9).

10. **LCD Panel** - Indicators for **DUAL, SEEK, SCAN, USA, INT'L, HI, LO, [F], WX, ☎, FISH, USCG, MEMO** and **Channel Number**.

> **NOTE:** *Refer to "INDICATORS" for detailed indicator descriptions.*

11. **SQ (Squelch)** - Eliminates the background noise when no signal is being received.

12. **Press-To-Talk Switch** - Press to transmit; release to receive.

INDICATORS
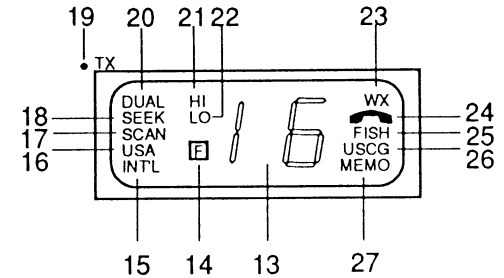
13. **LCD Numerical Channel Display** - Indicates Channel Number in use. Weather Channels are displayed as single digits. (Example: 0, 1, 2, 3, etc.) Communication Channels are displayed as two digits (Example: 01, 02, 03, etc.).

> **NOTE:** *LCD Status Indicators appear when status is selected by pressing the corresponding button.*

14. **[F] (Function)** - Indicates F/C Mode has been activated. When pressed, [F] remains active for eight (8) seconds.

15. **INT'L (International)** - Indicates International Channel Mode.

16. **USA** - Indicates US Channel Mode

17. **SCAN** - Indicates Normal Scan Mode.

18. **SEEK** - Indicates Timed Scan Mode on Communication Channels.

19. **TX (Transmit)** - LED lights when transmitting.

20. **DUAL (Dual Watch)** - Indicates Dual Watch Mode.

21. **HI (High)** - Indicates transmitted output is 25 Watts.

22. **LO (Low)** - Indicates transmitted output is 1 Watt.

23. **WX (Weather)** - Indicates Weather Channels.

24. **☎ (Telephone)** - Indicates Telephone Channels.

25. **FISH** - Indicates Fish Channels.

26. **USCG (United States Coast Guard)** - Indicates USCG Channels.

27. **MEMO (Memory Scan)** - Indicates Memory Scan Mode.

28. **PA (Public Address)** - Indicates Public Address Mode.
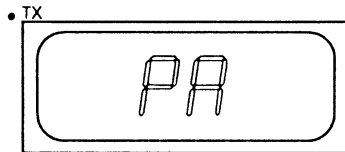
29. **AL (Alert)** - Indicates Weather Alert Mode.
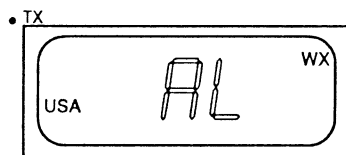
30. **NO (No channel(s) stored)** - Indicates no channels have been stored in Memory Scan Mode.

6
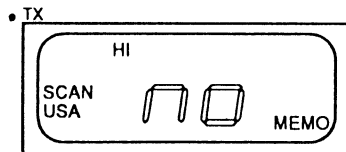
TRI-FUNCTION KEYS

NOTE: *For details of use of these Keys, see the OPERATION section.*
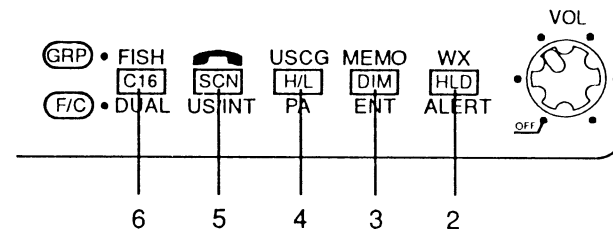
2. **HLD (HOLD)** - This key is used to stop scanning and in conjunction with the **F/C** and **GRP** keys to access Weather Channel and Weather Alert Modes.

   • Press **HLD** to stop scanning on a desired channel.

   • Press **F/C**, then Press **HLD** to activate the Weather Alert function.

   • Press **GRP**, then Press **HLD** to scan the Weather Channels.

3. **DIM** - This key is used to adjust the brightness of the **LCD Panel** and the **TX** LED indicator and in conjunction with the **F/C** and **GRP** keys to access the ENT and MEMO Modes.

   • Press **DIM** to adjust the brightness of the **LCD Panel** backlight and the brightness of the **TX** LED indicator. The **LCD Panel** backlight and **TX** LED indicator are at their brightest level when the **MC 795** is shipped from the factory. When the **MC 795** is turned Off, the current DIM setting is retained. (Example: If the radio is set to *dim brightness* when turned off, it will be set to *dim brightness* when turned on again.)

   • Press **F/C**, then Press **DIM** to access the ENT Mode.

   • Press **GRP**, then Press **DIM** to scan channels stored in memory.

4. **H/L (HI/LO)** - This key is used to switch between HI (25 Watts) where allowed, or LO (1 Watt) output power and in conjunction with the **F/C** and **GRP** keys to access the Public Address and USCG Channel Modes.

- Press **H/L** to switch between HI and LO output power.

- Press **F/C**, then Press **H/L** to access the Public Address Mode.

- Press **GRP**, then Press **H/L** to access USCG Channel Mode.

5. **SCN (Scan)** - This key is used to control scanning and in conjunction with the **F/C** and **GRP** keys to switch between US and International and Telephone Channel Modes.

- Press **SCN** to scan Communication Channels.

- Press **F/C**, then Press **SCN** to switch between US and International Channel Modes.

- Press **GRP**, then Press **SCN** to access Telephone Channel Mode.

6. **C16 (Channel 16)** - This key is used to access instant Channel 16 communications and in conjunction with the **F/C** and **GRP** keys to access Dual Watch and Fish Channel Modes.

- Press **C16** to access instant Channel 16 communications.

- Press **F/C**, then Press **C16** to turn Dual Watch On/Off.

- Press **GRP**, then Press **C16** to access Fish Channel Mode.

REAR PANEL CONNECTORS
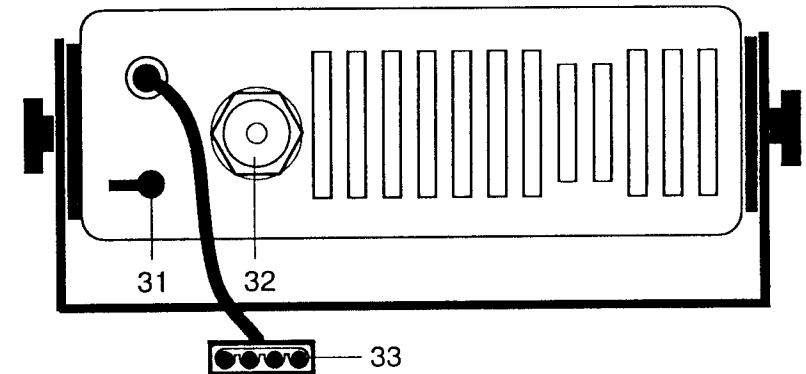
31. **Remote Speaker Connector** - An external 4 ohm, 4 Watt speaker may be connected to this jack. The connecting wire must have a miniature plug.

32. **Antenna Connector** - Connect the antenna here using a type PL259 connector.

33. **DC Power and PA Speaker Output** - The "Pigtail" cord and connector are power in and PA Speaker out.

34. **Supplied Power Cord** - Connect supplied power cord to the keyed connector.

34

PA Speaker Out
(Using supplied pins)

+13.8V
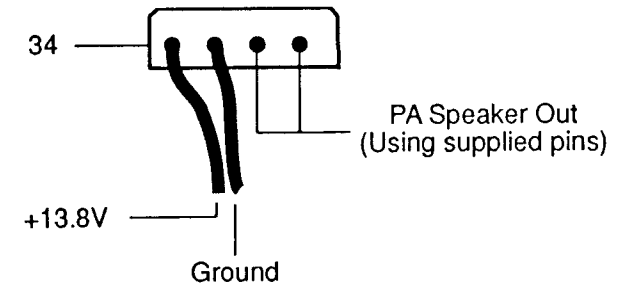
Ground

OPERATION

1. Turn the unit On by rotating the **VOL** control clockwise.

2. Adjust the **SQ** control counterclockwise until you hear background noise; then turn it clockwise until the noise just disappears.

DUAL WATCH

Dual Watch monitors Channel 16 for activity every two seconds while scanning or monitoring.

To activate Dual Watch, Press **F/C**, then Press **C16** while in any mode. The **DUAL** indicator will appear on the **LCD Panel**, indicating Dual Watch Mode. If a signal is received on Channel 16, the radio remains on Channel 16 until the signal ends.

Press **F/C**, then Press **C16** to cancel Dual Watch Mode.

MANUAL TUNING

To manually select a channel, rotate the **Rotary Channel Selector** to the desired channel. Weather Channels are located on Channels 0 - 9. Communication Channels are located on Channels 01 - 28 and 60 - 88.

INSTANT CHANNEL 16 COMMUNICATIONS

To access instant Channel 16 communications, Press **C16**. This overrides the channel selected with the **Rotary Channel Selector** or any scanning activity. The **Channel Display** will indicate the unit is on Channel 16. Press **C16** again to release the switch (Off) and the transceiver will return to the channel selected prior to accessing instant Channel 16 communications. The **Channel Display** will indicate the selected channel.

To cancel Channel 16 communications:

- Press **C16**, or

- Press **SCN**, or

- Press **F/C** twice, or

- turn the **Rotary Channel Selector**.

TIMED SCAN (SEEK)

Press **SCN** to start **SEEK** (Timed Scan).

When **SCN** is pressed for the first time after the **MC 795** is turned on, scanning will be in the **SEEK** (Timed Scan) Mode, and **SEEK** and **DUAL** will display on the **LCD Panel**.

Notice that Dual Watch is on automaticaly to cover CH 16 when **SCN** is pressed.

If there is too much activity on CH 16, and you wish to exclude it from **SEEK**, Press **F/C**, then Press **C16** to cancel Dual Watch. (**DUAL** is no longer displayed on the **LCD Panel**.)

In **SEEK**, the radio stops on the first active channel and stays on for 4 (four) seconds, then resumes Timed Scanning to the next active channel. If **SCN** is pressed while the radio is stopped on an active channel, **SEEK** will be resumed immediately.

To stop scanning and remain on an active channel, Press **HLD**. If you are in a group scan mode (FISH, ⬤▬, USCG, MEMO, or WX), Press **HLD** to step through the channels in that group one at a time. If you are not in a group scan mode, Press **HLD** to step through all channels one at a time.

NORMAL SCAN (SCAN)

Press and Hold **SCN** until **SEEK** goes off and **SCAN** displays on the **LCD Panel**. This changes the scanning from Tlmed Scan to Normal Scan.

In Normal Scan, the radio will stop on the first active channel and stay until the signal is gone, or **SCN** is pressed to resume scanning.

Notice that Dual Watch is on automatically to cover CH 16 when **SCAN** Mode is activated.

If there is too much activity on CH 16, and you wish to exclude it from **SCAN**, Press **F/C**, then Press **C16** to cancel Dual Watch. (**DUAL** is no longer displayed on the **LCD Panel**.)

To stop scanning and remain on an active channel, Press **HLD**. If you are in a group scan mode (FISH, ⬛, USCG, MEMO, or WX), Press **HLD** to step through the channels in that group one at a time. If you are not in a group scan mode, Press **HLD** to step through all channels one at a time.

To cancel scanning:

- Press **HLD**, or
- Press the **Press-To-Talk** switch, or
- Press **C16**, or
- Press **F/C** twice, or
- turn the **Rotary Channel Selector**.

    NOTE: DIM, H/L, F/C + C16 and F/C + SCN do not affect SCAN Mode.

WEATHER SCAN

To scan only Weather Channels 0 - 9, Press **GRP**, then Press **HLD**. The **WX** indicator will appear on the **LCD Panel**, indicating Weather Mode. Timed Scan (**SEEK**) will not function in Weather Mode.

To change from Weather Scanning:

- Select a group other than Weather, or
- Press **C16**, or
- Press **F/C** twice, or
- Press **HLD**, then Press **SCN** to scan Communication Channels.

US/INTERNATIONAL CHANNELS

To select operation (communication and scanning) on International Channels, Press **F/C**, then Press **SCN**. INT'L will appear on the **LCD Panel**.

To select operation (communication and scanning) on US Channels, Press **F/C**, then Press **SCN**. USA will appear on the **LCD Panel**.

FISH CHANNELS

To select operation (communication and scanning) on Fish Channels, Press **GRP**, then Press **C16**. FISH will appear on the **LCD Panel**.

TELEPHONE CHANNELS

To select operation (communication and scanning) on Telephone Channels, Press **GRP**, then Press **SCN**. ⬛ will appear on the **LCD Panel**.

USCG CHANNELS

To select operation (communication and scanning) on USCG Channels, Press **GRP**, then Press **H/L**. USCG will appear on the **LCD Panel**.

ENT (Entering channel numbers into Memory Scan)

You can enter channels into Memory Scan for instant scanning at any time.

To enter a channel number into Memory Scan, access the channel number you want to store by turning the **Rotary Channel Selector**, Press **F/C**, then Press **DIM**. Memory can also be programmed during **SCAN** or **SEEK** while stopping on a signal. Press **F/C**, then Press **DIM**, to store the channel number in Memory Scan.

    NOTE: In order for all functions of the MC 795 to work properly, *at least one* channel number must be entered into Memory Scan before operating the radio.

MEMORY SCAN

To scan channels stored in Memory Scan, Press **GRP**, then Press **DIM**. **MEMO** appears on the **LCD Panel**. In the Memory Scan Mode, the **MC 795** scans only those channel numbers previously entered into Memory Scan. If no channel has been entered into Memory Scan, the **NO** and **MEMO** indicators will appear on the **LCD Panel**. The **NO** indicator will blink. Pressing any button will return the radio to the channel it was on prior to accessing Memory Scan.

PUBLIC ADDRESS

To access the Public Address Mode, Press **F/C**, then Press **H/L**. The **PA** indicator will appear in the **Channel Number Display** area on the **LCD Panel**.

Press the **Press-To-Talk** switch on the microphone. Hold the microphone approximately two inches from your mouth and speak clearly in a normal voice. Release the **Press-To-Talk** switch when you are finished broadcasting.

WEATHER ALERT

The Weather Alert Mode can be activated to alert you of dangerous weather. When Weather Alert is turned on, and a warning signal is received, a siren will sound at full volume, regardless of the **VOL** setting. When the signal stops, you will hear the active weather channel broadcast at normal volume.

To activate the Weather Alert Mode:

1. Press **GRP**, then Press **HLD** to begin Weather Channel Scan.

2. When Weather Scanning stops on the active Weather Channel, Press **HLD**.

3. Press **F/C**, then Press **HLD** to turn the Weather Alert on.

OR

1. Manually select the active Weather Channel by turning the **Rotary Channel Selector**.

2. Press **F/C**, then Press **HLD** to turn the Weather Alert on.

Press **F/C**, then Press **HLD**, to cancel Weather Alert Mode.

TRANSMITTING

When the power is turned on, the transmitter is set for 25 Watts (except for USA Channels 13 and 67). The **HI** indicator will appear on the **LCD Panel**, indicating 25 Watt output power. In order to comply with FCC Regulations contained in 47 CFR 80.215 (g) (3), USA Channels 13 and 67 transmit at 1 Watt regardless of the **H/L** selector setting. However, 25 Watt output for emergency use is available by pressing **H/L** while pressing the **Press-To-Talk** switch. When the **H/L** switch is released, the radio returns to the 1 Watt position.

To switch to the **LO** (1 Watt) position, Press **H/L**. The **LO** indicator will appear on the **LCD Panel**, indicating 1 Watt output power. The LO position should always be used for in-port or short range communications.

Press **H/L** to switch to the HI (25 Watt) position. The **HI** indicator will appear on the **LCD Panel**, indicating 25 Watt output power.

To activate the transmitter, Press the **Press-To-Talk** switch on microphone. The **TX** LED indicator will light, indicating a signal is being transmitted. Release the switch to receive. When transmitting, hold the microphone approximately two inches from your mouth and speak clearly in a normal voice. The microphone provided with your radio is a 500 ohm dynamic type.

> **NOTE:** You cannot transmit on Weather Channels 0 - 9 or Channel 15. The **Channel Number** in the **LCD Panel** will blink to indicate these channels are "receive-only".

DIMMING THE LCD DISPLAY BACKLIGHT AND THE TX INDICATOR

When the **MC 795** is shipped from the factory, the **LCD Panel** and the **TX** LED will be brightest. Successive presses of the **DIM** button will change the brightness. The change will be kept in memory.

LCD Panel

MAX BRIGHTNESS → OFF → DIM → MED BRIGHTNESS

TX Indicator

MAX BRIGHTNESS → VERY DIM → DIM → MED BRIGHTNESS
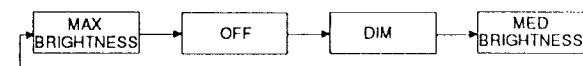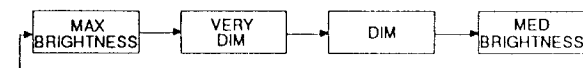
Note that the **TX** LED is not turned Off by the **DIM** button.

OPTIONAL ACCESSORIES

- Flush mounting bracket for "in dash" installation.
- PA Speaker

    Contact your Uniden Marine Dealer for information.

VHF FM MARINE RADIOTELEPHONE CHANNELS AND FUNCTIONS

(U.S.A. CHANNELS)

CHANNEL DESIG	FREQUENCY (MHz) SHIP	FREQUENCY (MHz) SHORE	TYPE TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
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	156.050	VTS	Yes	Yes	
02	156.100	156.100	Port Ops	Yes	Yes	
03	156.150	156.150	Port Ops	Yes	Yes	
04	156.200	156.200	Port Ops	Yes	Yes	
05	156.250	156.250	VTS	Yes	Yes	
06	156.300	156.300	Safety	Yes	No	Coast Guard
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	Fish
10	156.500	156.500	Com'l	Yes	Yes	
11	156.550	156.550	Com'l	Yes	Yes	
12	156.600	156.600	Port Ops	Yes	Yes	
13	156.650	156.650	Navigational	Yes	Yes	
14	156.700	156.700	Port Ops	Yes	Yes	
15	—	156.750	Environmental	RX Only	RX Only	Environmental
16	156.800	156.800	Safety Calling	Yes	Yes	
17	156.850	156.850	State Control	Yes	Yes	
18	156.900	156.900	Com'l	Yes	Yes	
19	156.950	156.950	Com'l	Yes	Yes	
20	157.000	161.600	Port Ops	Yes	Yes	
21	157.050	157.050	Coast Guard	Yes	Yes	Coast Guard
22	157.100	157.100	Coast Guard	Yes	Yes	Coast Guard
23	157.150	157.150	Coast Guard	Yes	Yes	Coast Guard
24	157.200	161.800	Public Corresp	No	Yes	Busy Tel.
25	157.250	161.850	Public Corresp	No	Yes	Busy Tel.
26	157.300	161.900	Public Corresp	No	Yes	Busy Tel.
27	157.350	161.950	Public Corresp	No	Yes	Busy Tel.
28	157.400	162.000	Public Corresp	No	Yes	Busy Tel.
60	156.025	156.025				
61	156.075	156.075				
62	156.125	156.125				
63	156.175	156.175				
64	156.225	156.225				
65	156.275	156.275	Port Ops	Yes	Yes	
66	156.325	156.325	Port Ops	Yes	Yes	
67	156.375	156.375	Com'l	Yes	No	
68	156.425	156.425	Non Com'l	Yes	Yes	Fish
69	156.475	156.475	Non Com'l	Yes	Yes	Fish
70	156.525	156.525	Non Com'l	Yes	No	Fish
71	156.575	156.575	Non Com'l	Yes	Yes	Fish
72	156.625	156.625	Non Com'l	Yes	No	Fish
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	Fish
79	156.975	156.975	Com'l	Yes	Yes	
80	157.025	157.025	Com'l	Yes	Yes	
81	157.075	157.075	Coast Guard	Yes	Yes	Coast Guard
82	157.125	157.125	US Govt Only	Yes	Yes	
83	157.175	157.175	Coast Guard	Yes	Yes	Coast Guard
84	157.225	161.825	Public Corresp	No	Yes	Busy Tel.
85	157.275	161.875	Public Corresp	No	Yes	Busy Tel.
86	157.325	161.925	Public Corresp	No	Yes	Busy Tel.
87	157.375	161.975	Public Corresp	No	Yes	Busy Tel.
88	157.425	157.425	Com'l	Yes	No	

16

VHF FM MARINE RADIOTELEPHONE CHANNELS AND FUNCTIONS

(INTERNATIONAL CHANNELS)

CHANNEL DESIG	FREQUENCY (MHz) SHIP	FREQUENCY (MHz) SHORE	TYPE TRAFFIC	SHIP TO SHIP	SHIP TO SHORE	PERMANENT SCAN LIST
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	VTS	Yes	Yes	
02	156.100	160.700	Port Ops	Yes	Yes	
03	156.150	160.750	Port Ops	Yes	Yes	
04	156.200	160.800	Port Ops	Yes	Yes	
05	156.250	160.850	VTS	Yes	Yes	
06	156.300	156.300	Safety	Yes	No	
07	156.350	160.950	Com'l	Yes	Yes	
08	156.400	156.400	Com'l	Yes	No	
09	156.450	156.450	Com'l & Non Com'l	Yes	Yes	Fish
10	156.500	156.500	Com'l	Yes	Yes	
11	156.550	156.550	Com'l	Yes	Yes	
12	156.600	156.600	Port Ops	Yes	Yes	
13	156.650	156.650	Navigational	Yes	Yes	
14	156.700	156.700	Port Ops	Yes	Yes	
15	156.750	156.750	Environmental	Yes	Yes	Environmental
16	156.800	156.800	Safety Calling	Yes	Yes	
17	156.850	156.850	State Control	Yes	Yes	
18	156.900	161.500	Com'l	Yes	Yes	
19	156.950	161.550	Com'l	Yes	Yes	
20	157.000	161.600	Port Ops	Yes	Yes	
21	157.050	161.650	Coast Guard	Yes	Yes	
22	157.100	161.700	Coast Guard	Yes	Yes	
23	157.150	161.750	Coast Guard	Yes	Yes	
24	157.200	161.800	Public Corresp	No	Yes	Busy Tel.
25	157.250	161.850	Public Corresp	No	Yes	Busy Tel.
26	157.300	161.900	Public Corresp	No	Yes	Busy Tel.
27	157.350	161.950	Public Corresp	No	Yes	Busy Tel.
28	157.400	162.000	Public Corresp	No	Yes	Busy Tel.
60	156.025	160.625				
61	156.075	160.675				
62	156.125	160.725				
63	156.175	160.775				
64	156.225	160.825				
65	156.275	160.875	Port Ops	Yes	Yes	
66	156.325	160.925	Port Ops	Yes	Yes	
67	156.375	156.375	Com'l	Yes	No	
68	156.425	156.425	Non Com'l	Yes	Yes	Fish
69	156.475	156.475	Non Com'l	Yes	Yes	Fish
70	156.525	156.525	Non Com'l	No	No	Fish
71	156.575	156.575	Non Com'l	Yes	Yes	Fish
72	156.625	156.625	Non Com'l	Yes	No	Fish
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	161.525	Non Com'l	Yes	Yes	
79	156.975	161.575	Com'l	Yes	Yes	
80	157.025	161.625	Com'l	Yes	Yes	
81	157.075	161.675	Coast Guard	Yes	Yes	Coast Guard
82	157.125	161.725	US Govt Only	Yes	Yes	
83	157.175	161.775	Coast Guard	Yes	Yes	Coast Guard
84	157.225	161.825	Public Corresp	No	Yes	Busy Tel.
85	157.275	161.875	Public Corresp	No	Yes	Busy Tel.
86	157.325	161.925	Public Corresp	No	Yes	Busy Tel.
87	157.375	161.975	Public Corresp	No	Yes	Busy Tel.
88	157.425	162.025	Com'l	Yes	No	Busy Tel.

17

SPECIFICATIONS

GENERAL

Channels	: Transmit 55
	Receive 80 Marine
	10 Weather
Controls	: On-Off/Volume, Squelch
Status Indicators	: TX LED (transmit)
	DUAL, SEEK, SCAN, USA, INT'L, HI, LO,
	[F], WX, ☎, FISH, USCG, and MEMO on LCD
	Panel
Channel Display	: LCD (Dual 7 segment)
Selector Switch	: Rotary Channel Selector
Buttons	: HLD, DIM, H/L, SCN, C16, F/C, and GRP
Connectors	: Antenna, remote speaker and DC power
Size	: 2 1/5"H x 6 2/5"W x 8"L
Weight	: 2.4 lbs
Supply Voltage	: 13.8V DC negative ground
Standard Accessories	: Mounting bracket and hardware, DC power cord,
	mike hanger, spare fuse.
Antenna Impedance	: 50 ohms, nominal
Microphone	: Rugged 500 ohms dynamic element with coiled cord.
Speaker	: 1.82 Inch, 8 ohms
Operating Temperature Range	: -20°C to +50°C (-4°F to +122°F)
Shock and Vibration	: Meets or exceeds EIA standards, RS152B and
	RS204C
FCC Approvals	: Type accepted under part 80 of the Rules; meets
	Great Lakes Agreement and party boat
	requirements.

TRANSMITTER

Power Output	: 1 watt or 25 watt (switch selectable)
Power Requirement	: 1 watt output: 1.0A @ 13.8V DC
	25 watts output: 4.5A @ 13.8V DC
Modulation	: FM, ± 5 kHz deviation (FCC designator F3E)
Hum and Noise (Signal-to-Noise)	: 45 dB @ 3 kHz
Audio Distortion	: Less than 5% with 3 kHz deviation with 1000 Hz
	modulating frequency
Spurious Supression	: -60 dB @ 1 watt, -65 dB @ 25 watts
Output Power Stabilization	: Built-in automatic level control (ALC)
Frequency Range	: 156 to 158 MHz
Frequency Stability:	: ± 300 Hz nominal

RECEIVER

Frequency Range	: 156 to 163 MHz
Sensitivity	: 0.25µV for 12 dB SINAD
	0.35µV for 20 dB S/N
Circuit	: Dual Conversion Super Heterodyne PLL
Squelch Sensitivity	: 0.5µV Threshold
Spurious Response	: 60 dB
Adjacent Channel Selectivity	: 70 dB @ ± 25 kHz
Audio Output Power	: 4.0 watts (10% Distortion)
Power Requirement	: 0.2A @ 13.8V DC squelched
	0.9A @ 13.8V DC at maximum audio output
IF Frequencies	: 1st - 16.9 MHz
	2nd - 455 kHz

MARITIME RADIO SERVICES OPERATION

Marine Radio Rules may be purchased from the US Government Printing Office by requesting "Volume IV of the FCC Rules." Among the more significant rules are:

1. You must obtain a Ship's Station License by making application to the FCC on FCC Form 506. An Interim Ship's Station License may be obtained by personal appearance at your local FCC Field Office. The Ship's Station License must be posted at the station location. Send FCC Form 506 and the $35.00 application fee to:

    FCC
    Marine Ship Service
    P. O. Box 358275
    Pittsburgh, PA 15251-5275

    instead of mailing it to the address listed on the form.

2. A Restricted Radiotelephone Operator Permit (or higher grade license) must also be obtained from the FCC in order to legally operate your transmitter in international waters. Application is to be made on FCC Form 753. An interim permit is automatically granted upon submission of your application.