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 abulkhead, 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.

2. HLD (Hold)
3. DIM
4. H/L (High/Low)
5. SCN (Scan)
6. C16 (Channel 16)
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.

![Image of PA button]

29. AL (Alert) - Indicates Weather Alert Mode.

![Image of AL button]

30. NO (No channel(s) stored) - Indicates no channels have been stored in Memory Scan Mode.

![Image of Memory Scan button]

**TRI-FUNCTION KEYS**

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

![Diagram of TRI-FUNCTION KEYS]

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.

+13.8V Ground

PA Speaker Out (Using supplied pins)
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 automatically 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 Timed 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.

LCM 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.
<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>FREQUENCY (MHz)</th>
<th>TYPE TRAFFIC</th>
<th>SHIP TO SHIP</th>
<th>SHIP TO SHORE</th>
<th>PERMANENT SCAN LIST</th>
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<tbody>
<tr>
<td>W00</td>
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<td>RX Only</td>
<td>Weather</td>
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**INTERNATIONAL CHANNELS**

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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.

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.