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uniden®



**MC 790
MARINE RADIOTELEPHONE
OWNER'S MANUAL**

UNIDEN MC790

The UNIDEN MC790 VHF marine radio transceiver has been designed to give you a rugged reliable instrument that will provide you with years of trouble-free service.

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

With proper care and maintenance, your UNIDEN MC790 will outlast your present vessel and serve you well on board several more. The full features and flexibility de-

signed into this quality transceiver will prevent it from becoming obsolete regardless of changes in craft or geographic locations. The unit may be mounted in any number of convenient locations by utilizing the universal mounting bracket.

The UNIDEN MC790 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 splash proof housing for protection of the electronics.

INSTALLATION

CAUTION: The MC790 will operate only with nominal 12 volt negative ground battery systems.

It is important to carefully determine the most suitable location for your MC790 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 MC790 so that you can most conveniently use your radio. Features which should be considered are:

1. Universal mounting bracket may be installed on either top or bottom of shelf, bulkhead, or overhead mounting.

2. The microphone connector faces forward allowing convenient in-dash or "built-in" installations.
3. The front panel can be fully reversed to provide for optimum viewing and operating for any mounting position.
4. The REMOTE speaker jack may be used with an auxiliary speaker.

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

ANTENNA CONSIDERATIONS

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

The general rules for antennas are: The more gain the greater the range and, the higher above the water line the greater the range. Antennas should be located so as not to be in proximity to metal objects. Antennas should not have excessively long coaxial feed cables.

CHOOSING A LOCATION

Some of the more important external factors to consider in selecting the location of your MC790 are:

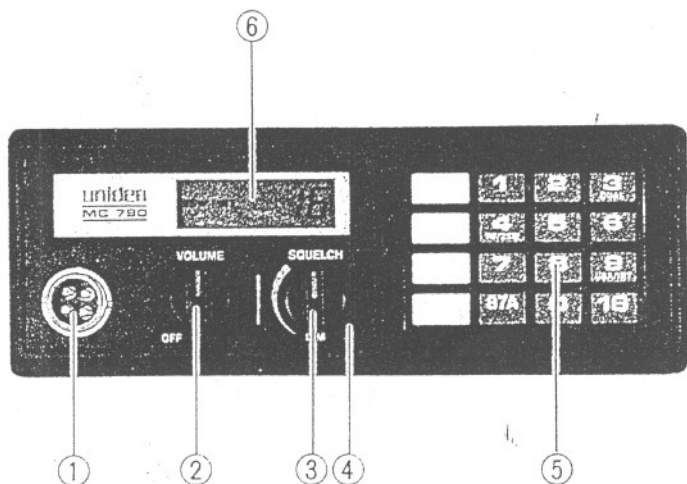
1. Select a location that is free from spray and splash.
2. Keep the battery leads as short as possible. Connection directly to the battery is most desirable. If direct connection cannot be made with the supplied power lead, any extension should be made with #10 AWG wire. Long extensions should use larger 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.

After you have carefully considered the various factors affecting your choice of location, position the radio (with the bracket, microphone, power plug, antenna plug and any auxiliary plugs installed) into the selected location to assure there is no interference with 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. Install the power cable (red is +, black is -), antenna and all other auxiliary cables and accessories.

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

CONTROLS AND INDICATORS



- ① **Microphone Connector** . . . Plug your Microphone here.
- ② **ON/OFF VOLUME Knob** . . . Turns power on and adjusts volume level.
- ③ **SQUELCH Knob** . . . Used to silence the background noise when no signal is being received. Turn the knob just past the point where background noise stops.
- ④ **DIM Control** . . . Adjusts the brightness of both LCD and the keyboard backlighting for night operation.
- ⑤ **Key Board** . . . Selects the desired channel. LCD display shows CH-1 through CH-88. For channels 1 through 9, first you must depress "0" then the desired channel number. If you attempt to enter CH. 75, 76 and channels other than VHF marine channels, which are Ch. 29 - 59, and 89 - 99, the letter "E" will flash in the LCD display and also "70" will flash when Ch. 70 is selected for transmit on international channels. To continue normal use of the radio, make a proper channel selection.
- ⑥ **LCD** . . . Provides indication of channel and function even in brightest sunlight.

