

# uniden®



## MC 722 - 90 CHANNEL MARINE RADIOTELEPHONE OWNER'S MANUAL

## UNIDEN MC 722

The UNIDEN MC 722 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 MC 722 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 unit may be mounted in any number of convenient locations by utilizing the universal mounting bracket. All legally available Australia and international channels are provided. The technical excellence of the UNIDEN MC 722 is demonstrated by the multiplicity of uses for which it has been found acceptable by the Department of Communications. The UNIDEN MC 722 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 Canadian registered craft, for general pleasure and commercial vessels and certain land stations in marine service.

The UNIDEN MC 722 is of all solid state design with conservatively rated rugged components and materials compatible with the marine environment. The transceiver utilizes gaskets, sealing rings, waterproof membranes and other sealants to effect a splashproof housing for protection of the electronics.

## INSTALLATION

**CAUTION:** The MC 722 will operate only with a nominal 12 volt negative ground battery system.

### CHOOSING A LOCATION

1. Select a location that is free from spray and splash.
2. Select a location that minimizes exposure to direct sunlight (including that coming through windows).
3. Select a location that allows free air flow around the heat sink on the rear of the radio.
4. Select a location well away from the ship's compass. Auxiliary speakers also should be located away from the compass.
5. Select a location as close to the battery as possible (in order to keep 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 at least #10 AWG wire.

### ENGINE NOISE SUPPRESSION

Interference from the impulse noise generated by the electrical systems of engines is sometimes a problem with radios. The MC 722 has been designed to be immune 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 leads and accessory cables should be routed away from the engine and engine compartments 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 that is available from your UNIDEN Dealer.

### ANTENNA CONSIDERATIONS

1. Keep the antenna lead as short as possible. Long antenna leads can cause substantial loss of performance for both receiving and transmitting.
2. Locate your antenna as high as possible and clear from metal objects. The reliable range of coverage is a direct function of antenna height. The general rules for antennas are: The more gain the greater the range and, the higher above the water line the greater the range.

### MOUNTING CONSIDERATIONS

Keep in mind the flexibility designed into the MC 722 so that you can most conveniently use your radio. The points which should be considered are:

1. Universal mounting bracket may be installed on either top or bottom for shelf bulkhead, or overhead mounting.
2. The microphone connector faces forward allowing convenient in-dash or "built-in" installations.

