

# MARINE VHF TRANSCEIVER

# Cobra

# MARINE®

## MR F80 B EU



### FEATURES:

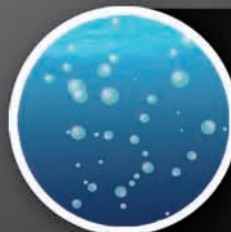
- Class-D DSC Capability
- Only Cobra has the Rewind-Say-Again™ Digital Voice Recording Feature
- Local and Distant Mode for Busy Waterways and Maximum Sensitivity
- Channel ID- Channel Description
- Channel Changing Rotary Knob
- Custom Channel Preset Buttons
- 90% Operation from Hand Mic
- 1-25 Watts of Power Output
- Comes with Standard Bracket, Flush Mount Hardware and GPS Cable
- PA Output with Dedicated PA Button
- Tri-Watch & Memory Scan Feature
- Submersible to JIS7 Standards
- All International, Canadian and U.S. VHF Channels
- Two-Way NMEA and Position Polling
- ATIS (Automatic Transponder Identification System)



• CLASS-D DSC VHF



• COBRA EXCLUSIVE!  
REWIND-SAY-AGAIN™



• SUBMERSIBLE (JIS7)

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| Feature  | Benefit   |
|--|---|
| Rewind-Say-Again™ Digital Voice Recording Feature    | Music or engine too loud? This features allows user to play back a missed call.   |
| 1 or 25 Watts  | Dual output power for short and long communication.   |
| International, Canada and U.S.A. Channels            | Allows operation on any of the three (3) different channel maps established for these areas.  |
| Instant Channel 16                                   | Instant access to channel 16 for emergency situations.  |
| Class-D DSC (Digital Selective Calling)              | Meets internationally recognized requirements for Class-D Digital Selective Calling that allows you to send a distress signal at the touch of a button or exchange position information with other boats or stations. |
| GPS Capability (Two-Way NMEA Capable)                | When connected to a Cobra or most other GPS receivers, you can send your position to other boats in an emergency, or exchange position information with other boats or stations. Position polling capable.            |
| Tri-Watch  | Monitors three (3) channels at once — Channel 16 and two (2) user selected channels.  |
| Memory Scan  | Scan channels programmed in memory to find conversations in progress.   |
| Unlimited Memory Channels                            | From 1 to all of the VHF channels can be marked as Memory Channels.   |
| DSC Call Log   | Similar to the Caller ID function on a telephone, it will capture the caller's MMSI ID number and any other data included in a DSC message.   |
| Rotary Channel Knob                                  | Convenient knob for changing channels quickly from the main display.  |
| Custom Channel Preset Buttons                        | Holding these keys allows user to save favorite channels. Located below the display.  |
| Local Mode   | Allows toggling between Local and Distance mode. Reducing RF noise in congested areas and maximizing sensitivity while underway.  |
| Signal Strength Meter                                | Shows the strength of incoming and outgoing signals.  |
| Illuminated Function Keys                            | Allows high visibility of function keys on radio and microphone.  |
| Keystroke Tone Signal (Selectable)                   | Confirms key activation. This feature is selectable and can be turned on or off.  |
| Illuminated LCD Display: Super Large with Dot Matrix | See radio settings from practically anywhere. Largest LCD in it's class. Large dot matrix area allows for clarity and ease of use.  |
| Channel I.D.   | Friendly channel description clearly indicated on the display.  |
| Noise Canceling Microphone with Controls             | Blocks background noise. Controls allow instant access to channel 16, changing of channels & setting features. Up to 90% functionality from microphone.   |
| External Speaker Jack                                | Allows connection of an external speaker (not included).  |
| Public Address Capability                            | Allows communications over a PA speaker (not included).   |
| ATIS   | Capable of operating within the Automatic Transponder Identification System. ATIS includes data at the end of a transmission for station identification.  |
| Submersible  | Meets JIS7 standards; Submersible for 30 minutes in one meter deep water.   |

### Included Accessories

|                                     |   |
|-------------------------------------|---|
| Flush Mount Kit & Surface Mount Kit | Easy installation of radio in or on almost any flat surface with supplied hardware. |
| GPS Interface Cable                 | Allows connection of a GPS receiver.  |
| Speaker/PA Interface Cable          | Allows connection of Public Address or standard speaker.                            |

### Unit Specifications

#### General

|                    |  |
|--------------------|--|
| Number of Channels | All: International, Canadian, U.S.A.             |
| Channel Spacing    | 25 kHz   |
| Modulation         | 5 kHz Max.                                       |
| Input Voltage      | 13.8 VDC   |
| Current Drain:     |  |
| Stand-by           | 200 mA   |
| Receive            | 300 mA   |
| Transmit           | 5 A @ High Power<br>1 A @ Low Power              |
| Temperature Range  | -20°C to 60°C                                    |
| Unit Dimensions    | 6.375" x 3" x 6.25"<br>(162 mm x 76 mm x 159 mm) |
| Unit Weight (Lbs)  | 3 lbs., 8 oz. (1588 g)                           |

#### Receiver

|                               |                                    |
|-------------------------------|------------------------------------|
| Frequency Range               | 156.050 to 163.275 MHz             |
| Receiver Type                 | Double Conversion Super-Heterodyne |
| Sensitivity:                  |                                    |
| 20 dB Quieting                | 0.35 uV                            |
| 12 dB Sinad                   | 0.25 uV                            |
| Adjacent Channel Selectivity  | -70 dB                             |
| Intermodulation and Rejection | -68 dB                             |
| Spurious & Image Rejection    | -70 dB                             |
| AF Output                     | 4 Watts @ 8 Ohms                   |

#### Transmitter

|                      |   |
|----------------------|---|
| Frequency Range      | 156.025 to 157.425 MHz                    |
| RF Output Power      | 1 or 25 Watts                             |
| Spurious Emissions   | -60 dB @ High Power<br>-55 dB @ Low Power |
| Microphone Type      | Electret                                  |
| Microphone Impedance | 2000 Ohms                                 |
| Frequency Stability  | +/-1.5 KHz                                |
| FM Hum & Noise       | 40 dB                                     |

### Packaging Specifications

|                                |  |
|--------------------------------|--|
| Individual Clam/Box Dimensions | 3.7" H x 13.1" W x 9.1" D<br>(94 mm x 345.5 mm x 231 mm)   |
| Individual Clam/Box Weight     | 3 lbs., 11 oz. (1678 g)                                    |
| Master Pack Qty.               | 4  |
| Master Pack Dimensions         | 15.4" H x 13.6" W x 9.8" D<br>(391 mm x 345.4 mm x 249 mm) |
| Master Pack Weight             | 17 lbs., 1 oz. (7756 kg)                                   |
| SKU #                          | MR F80B EU   |
| UPC #                          | 0 28377 20111 0  |
| Master Pack Barcode            | 10028377 20111 7   |

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Features and specifications subject to change.

