

# 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 feature 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.
<b>Included Accessories</b>	
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 1 A @ Low Power
Temperature Range	-20°C to 60°C
Unit Dimensions	6.375" x 3" x 6.25" (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 $\mu$ V
12 dB Sinad	0.25 $\mu$ V
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 -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 (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 (391 mm x 345.4 mm x 249 mm)
Master Pack Weight	17 lbs., 1 oz. (7756 g)
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.

