

# MR HH600W FLT GPS BT



# Cobra MARINE®



US Pat. No. 8311546

## DSC FLOATING VHF RADIO

### **Built-In GPS Receiver & DSC**

Shows GPS coordinates on screen and automatically sends GPS location with DSC calls.

### **Bluetooth® Wireless Technology**

Make and receive phone calls using **Bluetooth®** Wireless Technology, keeping your cell phone safe and dry.

### **FLOATING**

Never lose your radio. Floating design and orange core make retrieving the radio easy if dropped overboard.

### **Rewind-Say-Again®**

Replay missed VHF calls.

### **6 Watt VHF**

Select between 1, 3 and 6 Watts for short and long range communication.

### **Flashlight/S.O.S. Light**

The radio's light can be used as a flashlight or S.O.S. signal, and the light flashes automatically when dropped in the water.



# MR HH600W FLT GPS BT

## Features

## Benefits

<b>Built-In GPS Receiver</b>	Shows GPS coordinates on screen and automatically sends GPS location with DSC calls.
<b>DSC (Digital Selective Calling)</b>	Compliant with the latest FCC specifications for Class-D VHF Radios. Digital Selective Calling allows you to send a distress signal at the touch of a button or exchange position information with other boats or stations. DSC features on this Class-D radio include: A Dedicated Channel 70 (DSC Channel) Receiver, GPS Position Display Capability, Illuminated Distress Button, Easy MMSI Entry, Position Input Reminder, Coast Guard DSC Check Capability.
<b>Bluetooth® Wireless Technology</b>	Make and receive phone calls using Bluetooth® Wireless Technology, keeping your cell phone safe and dry. Now includes voice dialing and Caller ID.
<b>FLOATING</b>	Never lose your radio. Floating design and orange core makes retrieving radio easy if dropped overboard.
<b>Rewind-Say-Again®</b>	Replay missed VHF calls.
<b>6 Watt VHF</b>	Select between 1, 3 and 6 Watts for short and long range communication.
<b>Flashlight/S.O.S. Light</b>	The radio's light can be used as a flashlight or S.O.S. signal, and the light flashes when dropped in the water.
<b>Submersible</b>	Meets JIS8 (IPX8) standards; submersible for 30 minutes in more than one meter deep water.
<b>All NOAA Weather Channels</b>	Instant access to national All Hazards and weather information, 24 hours a day.
<b>Weather Alert</b>	Alerts with an audible tone and visual alarm if threatening weather is nearby.
<b>MOB (Man Over Board)</b>	Dedicated MOB key marks and memorizes position information if a crew member falls overboard.
<b>Noise-Canceling Microphone</b>	Blocks background noise for clearer conversations.
<b>Basic Navigation</b>	Basic navigation features include digital compass, waypoint navigation, course, speed, etc.
<b>U.S.A., Canada &amp; International Channels</b>	Allows operation on any of the three (3) different channel maps established for these areas.
<b>BURP</b>	Vibrates water out of the speaker grill and improves speaker performance.
<b>External Speaker/ Microphone Jack</b>	Connect Cobra speaker mic accessories for hip or body worn operation.
<b>Instant Channel 16/9</b>	Instant access to channel 16 and channel 9 for emergency situations.
<b>NMEA Out</b>	NMEA 0183 output to display other vessels and their information transmitted by DSC on your chartplotter.
<b>Unlimited Memory Channels</b>	Allows programming of unlimited channels for easy retrieval or scanning.
<b>Tri-Watch</b>	Scans three channels - channels 16, 09 plus one working channel.
<b>Channel Names</b>	Friendly VHF channel names under the channel number.
<b>Scan</b>	Scan all channels to find conversations in progress.
<b>Memory Scan</b>	Scan channels programmed in memory to find conversations in progress.
<b>Signal Strength Meter</b>	Shows the strength of the receiving and transmitting signal.
<b>Button/Key Lock</b>	Locks function buttons/keys to eliminate accidental change of settings.
<b>Battery With Charge Contacts</b>	Allows charging of batteries in unit.
<b>Illuminated Function Keys</b>	Allows high visibility of function keys.
<b>Selectable Key Tone Beep</b>	Key tone press beeps can be turned off for silent operation.
<b>Large, Illuminated LCD Display</b>	Allows high visibility of display.
<b>3 Year Warranty (on radio)</b>	For products sold in the U.S.A.

## Included Accessories

<b>CM 110-034</b>	2000mAh LiON Polymer Rechargeable Battery (black color).
<b>CM 110-032</b>	Desktop Charging Cradle.
<b>CM 110-035</b>	Alkaline battery tray. Use with AA Alkaline Batteries.
<b>CM 120-007</b>	AC Adapter with North America Plug.
<b>CM 130-005</b>	12V DC Accessory Plug.
<b>CM 140-003</b>	NMEA Output Cable.
<b>CM 300-002</b>	Replacement Antenna (black color).
<b>CM 240-003</b>	Spring-Loaded Belt Clip.

## Optional Accessories

<b>CM 330-001</b>	Lapel speaker/mic.
<b>CM 110-034</b>	Replacement or back-up 2000 mAh LiON Polymer Rechargeable Battery (black color).

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## Unit Specifications General

Number of Channels	All: U.S.A., Canadian, International 10 NOAA Weather Channels
Channel Spacing	25 kHz
Modulation	5 kHz Max.
Input Voltage	7.4 VDC
Battery Life:	5% TX, 5% RX, 90% Standby 10 Hours @ 6 Watts
Battery Requirements	Cobra Battery Pack CM 110-034
Current Drain:	
Stand-by	45 mA
Receive	200 mA
Transmit	1.8 A @ 6W High Power 700 mA @ 1W Low Power
Temperature Range	-20°C to 50°C
Unit Dimensions	5.71" H x 2.83" W x 1.87" D (not including antenna) (131 mm x 72 mm x 47 mm)
Unit Weight (Lbs)	0 lb., 11.60 oz. (329 g.) with Lithium-Ion Battery

## Receiver

Frequency Range	156.050 to 163.275 MHz
Receiver Type	Double Conversion Super-Heterodyne
Sensitivity:	-120dBm - 12 dB SINAD
Adjacent Channel Selectivity	-60
Intermodulation and Rejection	-70
Spurious & Image Rejection	-60
AF Output	250mW @ 8 Ohms

## Transmitter

Frequency Range	156.025 to 157.425 MHz
RF Output Power	1, 3 or 6 Watts
Spurious Emissions	-60 dB @ High Power -55 dB @ Low Power
Frequency Stability	+/-5 ppm
FM Hum & Noise	40 dB

## GPS

Receiver	56 channels
<b>Acquisition Times:</b>	
Hot	Nominal: < 1 second, Limit: +/- 5 seconds
Warm	Nominal: < 33 second, Limit: +/- 5 seconds
Cold	Nominal: < 35 second, Limit: +/- 10 seconds
Update Rate	Up to 5 Hz
Antenna Type	Internal patch antenna
GPS receiver first lock sensitivity	Nominal: -148dBm,
GPS receiver tracking sensitivity	Nominal: -165dBm,
Differential System Compatibility	WAAS (United States), EGNOS (Europe), MSAS (Japan),
<b>NMEA Info:</b>	
Output Specification	NMEA 0183- ASCII serial output
Electrical Standard	EIA-422
NMEA Sentences	GGA, GLL, GSA, GSV, RMC, VTG, ZDA

## Packaging Specifications

Individual Clam/Box Dimensions	10.47" H x 8.46" W x 3.35" D (266 mm x 215 mm x 85.09 mm)
Individual Clam/Box Weight	2.575 lbs. (1,168 g.)
Master Pack Qty.	2
Master Pack Dimensions	12.31" H x 7.44" W x 8.19" D (312.6 mm x 189 mm x 480.06 mm)
Master Pack Weight	6.043 lbs. (2,741 g.)
SKU #	MRHH600WFLTGPSBT
UPC #	0 28377 20200 1
Master Pack Barcode	5 0028377 20200 6

## Bluetooth®

Classification	Class 2
Version	4.1
Range	10 Meters

Specifications subject to change without notice.