

MR HH450 DUAL



Cobra
MARINE®



COMBINATION VHF AND GMRS RADIO

All-Terrain-Radio™

Use on boats, ATVs, snowmobiles, roadtrips and many other uses.

Rewind-Say-Again®

Replay missed VHF calls.

Privacy combinations

1815 GMRS privacy combinations.

FLOATING

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

Weather Alert with S.A.M.E.

Weather and emergency alerts only if threat is nearby.

Ultra-Compact Design

Ergonomic, rugged and compact design is easy to hold and intuitive to operate.



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Features

Benefits

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|--|--|
| All-Terrain Radio™ | Dual Band Receive and Transmit. One BAND button allows you to switch from the GMRS to VHF bands. You can talk to GMRS users on the dock or ashore and easily switch to the VHF Band for routine or emergency vessel to vessel or vessel to shore communications. |
| Rewind-Say-Again® | Replay missed VHF calls. Automatically records the last 20 seconds of incoming audio. |
| FLOATING | Never lose your radio. Floating design and orange core makes retrieving the radio easy if dropped overboard. |
| Noise-Canceling Microphone | Blocks background noise for clearer conversations. |
| 6 Watt VHF and High Power GMRS | Select between Low, Medium and High power for short and long range communication. |
| U.S.A., Canada & International Channels | Allows operation on any of the three (3) different channel maps established for these areas. |
| All NOAA Weather Channels | Instant access to national All Hazards and weather information, 24 hours a day. |
| Weather Alert with S.A.M.E. | Alerts with audible tone and visual alarm only if threatening weather is nearby. S.A.M.E. (Specific Area Message Encoding) allows setting your local area and filtering out warnings from further away. |
| BURP | Vibrates water out of the speaker grill and improves speaker performance. |
| Patented VibrAlert® | Enhanced vibrating feedback to notify you of incoming transmissions. |
| VOX | The user's voice is detected and the radio transmits without the need to press any buttons, freeing hands for other tasks. Five VOX sensitivity levels allow the user to select at which point the radio will detect their voice. |
| Advanced GMRS Scan | Allows the user to scan either channels, CTCSS privacy codes within a channel, DCS codes within a channel, or up to 10 memory locations to locate conversations in progress. |
| Rated Submersible | Meets JIS7 (IPX7) standards; submersible for 30 minutes in one meter deep water. |
| External Speaker/ Microphone Jack | Connect Cobra speaker mic accessories for hip or body worn operation. |
| Instant Channel 16 | Instant access to channel 16 for emergency marine situations. |
| Unlimited Memory Channels | Allows programming of unlimited channels for easy retrieval or scanning. |
| Tri-Watch | Monitors three (3) channels at once - channel 16 and two (2) user selected channels. |
| Scan | Scan all channels to find conversations in progress. |
| Advanced Memory Scan | Scan channels programmed in memory to find conversations in progress. Cross-band scanning allows scanning for conversations on both saved and GMRS channels. |
| Signal Strength Meter | Shows the strength of the receiving and transmitting signal. |
| Button/Key Lock | Locks function buttons/keys to eliminate accidental change of settings. |
| Battery With Charge Contacts | Allows charging of batteries in unit. |
| Illuminated Function Keys | Allows high visibility of function keys. |
| Selectable Key Tone Beep | Key tone press beeps can be turned off to silent operation. |
| Large, Illuminated LCD Display | Allows high visibility of display. |
| 3 Year Warranty (on radio) | For products sold in the U.S.A. |

Included Accessories

| | |
|-------------------|--|
| CM 110-026 | 1000mAh LiON Polymer Rechargeable Battery (black color). |
| CM 110-030 | Locking Desktop Charger. |
| CM 120-005 | AC Adapter with North America Plug. |
| CM 130-005 | 12V DC Accessory Plug. |
| CM 300-003 | Replacement Dual Band Antenna (VHF/GMRS). |
| CM 240-003 | Spring-Loaded Belt Clip. |

Optional Accessories

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|-------------------|--|
| CM 110-024 | Alkaline battery tray. Use with AA Alkaline Batteries. |
| CM 330-001 | Lapel speaker/mic. |
| CM 110-026 | Replacement or back-up 1000 mAh LiON Polymer Rechargeable Battery (black color). |

Unit Specifications General

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|----------------------|---|
| Number of Channels | All: U.S.A., Canadian, International, 10 NOAA Weather Channels, GMRS- 15 Channels |
| Channel Spacing | 25 kHz |
| Modulation | 5 kHz Max. |
| Input Voltage | 7.4 VDC |
| Battery Life: | 5% TX, 5% RX, 90% Standby 8 Hours @ 6 Watts 16 Hours @ 1 Watt |
| Battery Requirements | Cobra Battery Pack CM 110-026 |
| Current Drain: | |
| Stand-by | 45 mA |
| Receive | 200 mA |
| Transmit | 1.8 A @ High Power 700 mA @ Low Power |
| Temperature Range | -20°C to 50°C |
| Unit Dimensions | 11.65" H x 2.70" W x 2.17" D (including antenna) (296 mm x 68.5 mm x 55.2 mm) |
| Unit Weight (Lbs) | 0 lb., 9.61 oz. (272.3 g.) (without accessories) |

Receiver

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|-------------------------------|--|
| Frequency Range | VHF- 156.050 to 163.275 MHz GMRS- 462.550 to 467.7125 MHz |
| Receiver Type | Double Conversion Super-Heterodyne |
| Sensitivity: | 12 dB Sinad -121 dBm |
| Adjacent Channel Selectivity | -60 |
| Intermodulation and Rejection | -70 |
| Spurious & Image Rejection | -60 |
| AF Output | 250 mW @ 8 Ohms |

Transmitter

| | |
|---------------------|--|
| Frequency Range | VHF- 156.025 to 157.425 MHz GMRS- 462.550 to 467.7125 MHz |
| RF Output Power | 1, 3 or 6 Watts (VHF) 1, 2 or 3 Watts (GMRS) |
| Spurious Emissions | -60 dB @ High Power -55 dB @ Low Power |
| Frequency Stability | +/-5 ppm |
| FM Hum & Noise | 40 dB |

Packaging Specifications

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|---------------------------|--|
| Individual Box Dimensions | 11.22" H x 9.45" W x 3.07" D (285 mm x 240 mm x 78 mm) |
| Individual Box Weight | 1.7 lbs. (770 g.) |
| Master Pack Qty. | 2 |
| Master Pack Dimensions | 11.02" H x 7.09" W x 8.86" D (280 mm x 180 mm x 225 mm) |
| Master Pack Weight | 4.10 lbs. (1860 g.) |
| SKU # | MR HH450 DUAL |
| UPC # | 0 28377 20164 6 |
| Master Pack Barcode | 5 0028377 20164 1 |

Specifications subject to change without notice.



Dual Band Receive & Transmit



Floats if Dropped



Replay Missed VHF Calls

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MRHH450 DUAL SP 2/14