MARINE VHF TRANSCEIVER

Cobra MARINE®

PRESET BUTTON - SAVE YOUR FAVORITE CHANNELS!

COBRA® UNIQUE REWIND-SAY-AGAIN™ FEATURE
(MISS A CALL? PLAY IT BACK BY PUSHING ONE KEY)

LONGER TALK TIMES!

SELECTABLE POWER OUTPUT-
1, 3 or 5 WATTS

ACTUAL SIZE

COBRA EXCLUSIVE!
REWIND SAY-AGAIN™
REPLAY MISSED CALLS!

RAPID CHARGER & ACCESSORIES INCLUDED

Cobra Marine® Professional Series MR HH415 LI VP EU Features:

- Unique Compact Design
- Submersible to JIS7 Standards
- Tri-Watch
- Unlimited Channel Memory
- External Speaker/Mic Jack
- Selectable Power Output - 1, 3 or 5 Watts
- Large Illuminated Display
- Signal Strength Meter (Transmit and Receive Signal Bars)
- Illuminated Function Keys
- Instant Channel 16
- Spring Loaded Belt Clip
- ATIS

MR HH415 LI VP EU

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Feature	Benefit
1,3 or 5 Watts	Adjustable output power for short and long communication.
International, Canada & U.S.A. Channels	Allows operation on any of the three (3) different channel maps established for these areas.
Cobra® Exclusive Rewind-Say-Again™ Feature	Not quite sure if the call was for you? Push the REWIND key to play back up to the last 20 seconds of audio. Other bonus recording features included.
LiON Polymer Battery	Lithium-Ion Polymer Battery allows for longer talk times, more successful charging seasons and maintenance free operation.
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 situations.
Unlimited Channel Memory	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.
Memory Scan	Scan channels programmed in memory to find conversations in progress.
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 Tray With Charge Contacts	Allows charging of batteries by simply dropping in the cradle.
Illuminated Function Keys	Allows high visibility of function keys.
Illuminated LCD Display:Large	Allows high visibiity of display. Up to 60% larger than the competition.
Selectable Key Tone Beep	Key press beeps can be turned off to silent operation.
Battery Saver Circuitry	A unique circuit extends the life of the batteries. If there are no transmissions within 10 seconds, the unit will automatically switch to battery saver mode.
10 Selectable Call Tones	Allows the user to differentiate between up to 10 different parties on incoming calls.
Roger Beep Tone (selectable)	Confirmation tone indicates the completion of the user's transmission, and signals to others it is clear to talk. This feature is selectable and can be turned on or off. The default is off.
Patented VibrAlert®	Provides a silent alert for incoming calls. Ideal for noisy or all-quiet environments.
Submersible	Meets JIS7 standards; Submersible for 30 minutes in one meter deep water.

Included Accessories

AA Alkaline Battery Tray (CM 110-011)	Allows using 6AA Alkaline Batteries to transmit in an emergency at full power. * Note - Some competitive models only allow for partial power transmit using Alkaline batteries.
LiON Battery Pack (CM 110-010)	1900 mAh High Capacity Lithium-Ion Battery allows for longer talk times, more successful charging.
Rapid-Charge Locking Desktop Charger (CM 110-008)	Allows charging of batteries at home, car or boat. 12 volt vehicle adapter, AC wall adapter and mounting hardware included. 3-4 Hour Charge. Vertical or horizontal mounting.
Swiveling Spring Loaded Belt Clip (CM 240-003)	Secures the radio while on the go. Commercial quality belt clip.
Wrist Strap (CM 230-002)	For ease of carrying and securing while on the go.
AC Adapter (CM 120-007)	220V AC Mains Adapter with EU and UK plugs. Allows for charging at home or on AC equipped boats.
DC Adapter (CM 130-002)	12V Accessory Port Adapter. Allows for charging on the DC system of smaller boats.

Unit Specifications

General

Number of Channels	All International, Canadian, U.S.A.,
Channel Spacing	25 kHZ
Modulation	5 kHz Max.
Input Voltage	7.2 VDC
Battery Life: 5:5:90 Stand-by	
Alkaline Battery	Included Battery
20 Hours@ 5 Watts	11 Hours @ 5 Watts
35 Hours @ 1 Watt	18.5 hours@ 1 Watt
Battery Requirements	Cobra® Battery Pack CM 110-010
Current Drain:	
Stand-by	40 mA
Receive	200 mA
Transmit	1.8 A @ High Power 700 mA @ Low Power
Temperature Range	-20°C to 50°C
Unit Dimensions	4.8" x 2.4" x 1.4" (123 mm x 62 mm x 36 mm) Not including antenna
Unit Weight (Lbs)	8 oz. (228 g) Without batteries

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	0.30 uV
Adjacent Channel Selectivity	-60 dB
Intermodulation and Rejection	-60 dB
Spurious & Image Rejection	-60 dB
AF Output	250 mW @ 8 Ohms

Transmitter

Frequency Range	156.025 to 157.425 MHz
RF Output Power	1, 3 or 5 Watts
Spurious Emissions	-60 dB @ High Power -55 dB @ Low Power
Frequency Stability	+/-10 ppm
FM Hum & Noise	40 dB

Packaging Specifications

Individual Clam/Box Dimensions	14.0" H x 8.9" W x 3.3" D (356 mm x 226 mm x 84 mm)
Individual Clam/Box Weight	2 lbs., 2 oz. (964 g)
Master Pack Qty.	4
Master Pack Dimensions	7.0" H x 22.0" W x 9.1" D (178 mm x 559 mm x 231mm)
Master Pack Weight	8 lbs., 12.0 oz. (3969 g)
SKU #	MR HH415LI VP EU
UPC #	0 28377 20108 0
Master Pack Barcode	1 0028377 20108 7

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Features and specifications subject to change.