

Lowrance 2010 VHF-DSC Marine Radios



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VHF-DSC Marine Radios

For safety's sake, get in touch with the unbeatable quality, features, price and especially, the dependability of Lowrance VHF marine communications.



LVR-880 DSC VHF+FM Fixed-Mount Marine Radio

The first with an FM and NMEA 2000® interface for Track-Your-Buddy®. Plus other premium features in an exceptional 25W/1W DSC marine radio.

Special Features

- VHF plus stereo FM radio receiver with powerful dual audio amps
- Exclusive "Track-Your-Buddy" feature connects DSC hi-res position polling to Lowrance NMEA 0183 and NMEA 2000® chartplotters to show the location of up to three boating friends on the GPS chart display
- GREAT CIRCLE NAVIGATION to WAYPOINT with data transfer capability to chartplotters
- 200 waypoints with up to six character alpha/numeric naming
- Dual weather alert systems provide S.A.M.E. for county-to-county monitoring and standard NOAA Wx 1050Hz tone alert
- Simplified intercom with talkback plus built-in 22W hailer-horn
- Large 2.24" (57 mm) speaker for great audio output when running at high speed
- Instant "GO" and MOB key

Model	Part
LVR-880U	000-0022-20
LVR-250U	000-0022-19
LHR-80U	000-0022-17

Optional Accessories

LVR-880/LVR-250	
3.3 ft./1 m Ultraglass detachable 3 dB fiberglass VHF antenna	AA000358
8 ft./2.4m Ultraglass detachable 6 dB fiberglass VHF antenna	AA000355
VA-2 8 ft./2.4m fiberglass VHF antenna	AA000352
Nylon fold-down fast-fit antenna mount	AA000223
Stainless steel fold-down fast-fit antenna mount	AA000224
16.4 ft./5 m fast-fit VHF extension cable	AA000400



LVR-250 DSC VHF Fixed-Mount Marine Radio

Solid reliability and attractive features without the high price in a high-quality 25W/1W fixed-mount VHF marine radio with DSC.

Special Features

- Weather alert
- Super-large 16/9 calling channel key
- Three favorite channel mode with scan
- Local/Distant feature eliminates interference
- Selectable Dual and TriWatch modes

Shared LVR-880/LVR-250 Features

- Full SC-101 automatic distress operation transmits/receives hi-res vessel position and group calls via NMEA 0183 and (LVR-880) NMEA 2000® output to chartplotters
- Channel naming
- Immediate GPS boat position and time when connected to a compatible GPS chartplotter
- Large, clear FSTN screen with lat/lon position display without scrolling
- Six tactile microphone keys with WX key, powerful speaker and easy left- or right-handed control
- Rotary Channel control with press-to-enter
- Three favorite channel mode with scan
- 3W external speaker jack
- Case and microphone fully waterproof (JIS 7 submersible)
- All available USA, Canadian, International and 10 weather marine channels with channel naming (country specific)
- Flush-mount kit and dust cover included

What's DSC?

Digital Selective Calling (DSC) provides for instant distress calls and digital messaging, and is a component of the international Global Maritime Distress and Safety System (GMDSS).

When connected with a GPS, the time, precise location and unique ID of the vessel in trouble is automatically broadcast when the DISTRESS button is pressed. So simple, it allows even a non-experienced VHF user to send this continuous distress message with a one-button procedure.

With DSC you can privately hail another DSC-equipped vessel, or shore station, with a known MMSI (Maritime Mobile Service Identity) number. It will also "ring" and notify you that you have a private hail, and automatically switch you to the open channel your caller is waiting on.

You can also send and receive messages digitally with DSC -- between one selected vessel, a group of vessels or ship-to-shore -- by dialing-in the MMSI number(s).

It's also the position polling feature of DSC that allows you to keep chartplotter track of your friends' locations who have VHF DSC with the unique Lowrance Track-Your-Buddy feature.

What's Track-Your-Buddy?

This special function is for safety, teamwork, convenience, and even just for fun.

It's a great feature that allows you to connect your VHF DSC position polling with chartplotter to show the location of up to three boating friends on the chart display.

It's also easy to set up: You need a Lowrance LVR-880 fixed mount (or LHR-80 handheld) VHF, the MMSI number of your buddies' VHF DSC radios and a Lowrance HDS GPS chartplotter. Your VHF will regularly poll your buddies' positions, and the chartplotter will regularly update their locations by MMSI number on your screen.

Track-Your-Buddy is a truly great aid in locational awareness of your friends in a group boating excursion.

What's Get-Buddy?

Another exclusive Lowrance innovation, Get-Buddy lets up to 10 companions in your group with LHR-80 radios transmit individual bearing and distance of their location to all buddies -- instantly, in real-time and on a single working channel -- with a simple press of a button.

Just have the group's MMSI/names stored in each, with all on the same channel and their Get Buddy feature activated. The press and release of the PTT on one LHR-80 handheld sends out a digital packet to all others in range. Each receiving radio processes the packet and displays the exact distance and bearing of the sender from each receiving radio's location.

From easily keeping track of a group in a cruise, to MOB coordination, to creating an instant rally point, Get-Buddy is a great way to draw a crowd with the fewest words.



Floatable LHR-80 VHF/GPS Handheld DSC Marine Radio

Advanced and affordable 5/1W waterproof VHF handheld features DSC, built-in 12-channel GPS receiver, trackplotter, Great Circle navigation, and more. Plus it floats!

Special Features

- Floatable and totally JIS-7 waterproof
- Huge 128x128 pixel bit-mapped LCD backlit display for maximized viewing
- Built-in 12-channel GPS receiver with lat/lon output, trackplotter display, local waypoint icons and cursor control
- Great Circle navigation display with 500 waypoints and MOB
- Full SC-101 DSC distress calling operation
- Long-life (up to 8+ hours), high-capacity 1400mAh Li-Polymer battery with rapid charger
- Unique Track-Your-Buddy and Get-Buddy features to locate vessels using position polling
- Flexible Dual and TriWatch channel monitoring

Standard Features

- All International, Canada and USA channels with 10 Weather channels and NOAA Wx tone alert
- Selectable 5/1W transmit power
- NMEA 0183 output while on cradle
- Volume, Channel and SQL Control with Up/Down
- Three favorite channel mode with scan
- Instant 16 key
- Illuminated Function Keys and Keylock
- Power Saving Circuitry
- Battery indicator with 1-4 bars
- SMA antenna connector
- Power Source: 7.4 vDC (7.4V 1400mAh Li-Polymer battery pack)
- Battery Life:
 - » 8 Hours (5W Power on 5%:5%:90% ratio, GPS on)
 - » 9 Hours (5W Power on 5%:5%:90% ratio, GPS off)
- Dimensions WxHxD: 2.7 x 5.5 x 1.5 in./68 x 140 x 38 mm
- Display Size WxH: 1.5 x 1.5 in./38.7 x 38.7 mm
- Weight: 0.70 lbs. (0.318 kg)

Includes

- Radio with 1400mAh Li-Polymer battery pack
- Rubber Duck Antenna
- Desk Top Charging Cradle with NMEA 0183 output
- 120V AC Wall Adapter for Desk Top Cradle
- Wrist strap and belt clip
- Operation Manual



Lowrance VHF-DSC Marine Radios Specifications

VHF



VHF/GPS Characteristics	Fixed Mount LVR-880	Fixed Mount LVR-250	Portable Combo LHR-80
Dimensions (HWD) and weight – w/o bracket, mic, or antenna	3.8 x 7.1 x 6.1 in. 96 x 180 x 156 mm 3.7 lbs (1.66 kg)	2.8 x 6.3 x 6.1 in. 72 x 160 x 156 mm 2.8 lbs (1.29 kg)	5.5 x 2.7 x 1.5 in. 139 x 68 x 38 mm 0.70 lbs (0.318 kg) with battery
LCD Display (HW)	Backlighted FSTN Full bitmapped (64 x 128) 1.3 x 2.6 in./33 x 71 mm	Backlighted FSTN 1.0 x 1.8 in./26 x 46 mm 4 line x 12 Character + Icons	Backlighted FSTN Full bitmapped (128 x 128) 1.5 x 1.5 in./38 x 38 mm
Channel Bank (US) and Select Operation	All USA, International, Canada, 10 NOAA Weather, Rotary Control	All USA, International, Canada, 10 NOAA Weather, Rotary Control	All USA, International, Canada, 10 NOAA Weather – UP/DOWN control
Hand Mike Features	PTT button, Hi/Lo, CH16, 3CH, channel up/down, built-in speaker and backlighting	PTT button, Hi/Lo, CH16, 3CH, channel up/down, built-in speaker and backlighting	—
Power Supply/Battery Life	13.8 vDC ± 15%	13.8 vDC ± 15%	7.4V – 1400 mAh Li-Polymer >8 hr GPS on >9 hr GPS off Battery level indicator
Audio Output Power	2W - 8Ω @ 10% distortion 94dBA internal speaker 4W - 4Ω @ 10% distortion with external speaker	2W - 8Ω @ 10% distortion 89dBA internal speaker 4W - 4Ω @ 10% distortion with external speaker	250mW internal speaker
Digital Selective Calling - DSC	SC-101 US	SC-101 US	SC-101 US
DSC Call Types	All calls are available - including high resolution position polling and Track-Your-Buddy	All calls are available - including high resolution position polling	All calls are available - including high resolution position polling
Directory/MMSI Entry (US)	20 Individual + Group MMSI + User MMSI	20 Individual + Group MMSI + User MMSI	20 Individual + Group MMSI + User MMSI
Get Buddy	—	—	YES
Call Logs	20 Individual/10 Distress	20 Individual/10 Distress	20 individual/10 Distress
GPS Input + Output	NMEA 0183/NMEA 2000®	NMEA 0183	NMEA 0183 output while on cradle
Hailer with Intercom Talkback/ External Speaker	Powerful 22W Hailer with Auto/manual sounds and listen-back, plus external speaker jack	No Hailer - has external speaker jack	—
Navigation with Waypoints and MOB	200 Waypoints with instant GO control	—	500 Waypoints with instant GO control. One track with 360 Trackpoints/control. Selection to show nearest 5 Waypoints
FM Stereo Radio	USA/EU/AUS bands	—	—
S.A.M.E. Weather Alert	County-by-County warnings	—	—
NOAA Weather Alert	YES	YES	YES
Local/Distance	YES	YES	YES
3 Favorite Channel Select/Scan	YES	YES	YES
12db Sinad Sensitivity	.25uV (distant)/2.5uV (local)	.25uV (distant)/2.5uV (local)	.25uV
Other Standard Features	Flush mount kit and sun cover included. Memory upgrades via NMEA 2000®	Flush mount kit and sun cover included	IT FLOATS. Built-in 12-channel GPS receiver with lat/lon output, Great Circle navigation trackplotter display, local waypoint icons and cursor control. GPS satellite screen

Shared VHF features:

- Tx Power:** 25W/1W fixed, 5W/1W portable + indicators
- Current Drain:** 6A at 25W/1.5 at 1W fixed mount 1.75A at 5W/0.8A at 1W portable
- Battery monitor:** Yes – level indicator with portable
- Compass safe distance:** 0.45m – fixed mount
- Temperature Range:** -4 to 122°F (-20 to 50°C)
- Waterproof Rating:** JIS7
- Antenna Connector:** SO-239; SMB – portable
- Transmitter Protection:** Open/Short circuit of antenna
- Dual Watch Monitoring:** Yes

