

Standard Horizon HX400 Portable VHF Radio, 5 Watts Submersible. Supplied with 2400 mAh Lithium Ion Battery, Huge Channel Display, Antenna, Complete with 110 Volt Ac charger

Standard Horizon Model: HX400

More Information on Standard Horizon HX400 Portable VHF Radio

- o Standard Horizon HX400 Portable VHF Radio Brochure
- o Standard Horizon HX400 Portable VHF Radio Operator Manual

Standard Horizon HX400 Portable VHF Radio Features:

- Floating
- Submersible IPX8 (4.92 feet for 30 minutes)
- Slim form fitting case
- Selectable 5 and 1 Watt transmit power output
- Supplied with a Li-ion battery, AC and DC chargers and a charging cradle
- Glow-In-the-Dark strip
- Huge channel display
- Optional speaker microphone or headset capable
- All USA, International and Canadian Marine Channels
- Programmable Scan, Priority Scan and Dual Watch
- NOAA Weather channels and Weather Alert
- 40 Programmable Land Mobile Channels with CTCSS and DCS (Requires FCC License)
- Key lock
- Squelch level on display
- Low battery indicator
- Preset key used to recall up to 10 favorite channels
- 3 Year Waterproof Warranty

Lithium-Ion battery and charger

The Standard Horizon HX400 Portable VHF Radio is supplied with a whopping 2400mAh Lithium-Ion battery that will keep you talking for about 17 hours. There is no need to worry about the time it takes to fully charge the huge 2400mAh battery as the Standard Horizon HX400 Portable VHF Radio is supplied with a 3-hour rapid charger.

Marine and Land Mobile Channels

The Standard Horizon HX400 Portable VHF Radio is factory programmed with all USA, Canadian and International and NOAA Weather channels. It also has the capability to store up to 40 Land Mobile Radio (137-174MHz) channels with CTCSS or DCS signaling by a Standard Horizon dealer.

Note: These channels do require the appropriate Federal Communications Communication license.

Built-in Noise Canceling Mic and Voice scrambler

The Standard Horizon HX400 Portable VHF Radio will surpass your voice transmissions expectations in noisy and windy environments with the built-in noise canceling microphone.

No need to purchase an optional voice scrambler for secure communications as the Standard Horizon HX400 Portable VHF Radio has it built-in. The internal scrambler is compatible with Standard Horizon VHF Fixed Mount and Handheld VHF 4-code scramblers.

Loud speaker audio

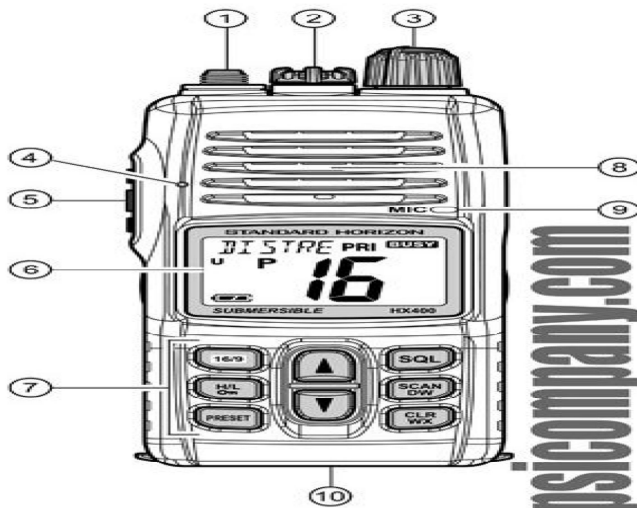
The Standard Horizon HX400 Portable VHF Radio is designed to be heard in even the noisiest environments with 700mW of power supplied to the internal speaker.

Speaker Microphone Connection

Optional speaker microphone or headsets are available to assist with your communications needs.

Standard Horizon HX400 Portable VHF Radio Functions:

- 1) Antenna Jack
- 2) Squelch
- 3) Volume Knob
- 4) Ergonomic easy to grasp case
- 5) Push to Talk Switch
- 6) Super Large HX400 Display
- 7) Sealed HX400 Portable Radio Sealed Keypad
- 8) Standard Horizon HX400 Loud Speaker
- 9) Standard Horizon HX400 Microphone
- 10) Standard Horizon HX400 Portable VHF Rugged Case



Programmable Channel Names

The Standard Horizon HX400 Portable VHF Radio is supplied from the factory preloaded with description of the use of Marine channels (16-Distress, 22A-USCG, 71-Pressure). The channel names may be customized by the user to easily understand the use of each channel.

NOAA Weather channels and Weather Alert

10 NOAA and Canadian Weather channels are pre-programmed and easily selectable using the dedicated WX key. In addition, the Standard Horizon HX400 Portable VHF Radio can be set to monitor WX channels and provide an audible alert to inform of pending storm advisories.

Programmable Scan, Priority Scan and Dual Watch

Scanning is not an issue with the Standard Horizon HX400 Portable VHF Radio. The radio can be setup to scan any number of channels with or without a priority channel or simply can be setup to scan between a priority channel and on other channel (dual watch).

10 favorite channel recall - Preset Key

Dedicated key that allows programming and quick selection of up to 10 favorite Marine VHF or NOAA Weather channels.

Battery Life Indication

The display shows a battery bar graph gauge to inform the charge left in the Lithium-Ion battery.

3-Year Waterproof Warranty

Because the Standard Horizon HX400 Portable VHF Radio is built better, it's back better. If your Standard Horizon Standard Horizon HX400 Portable VHF Radio ever fails for any reason including water damage during normal use in the first three years, STANDARD HORIZON will repair or replace it free, without hassle or charges..period! If it fails thereafter in normal use it for the life time of the product it is covered by Standard Horizon's Lifetime Flat Rate Service Program.

Standard Horizon HX400 Portable VHF Radio Technical Specifications:

SPECIFICATIONS

Performance specifications are nominal, unless otherwise indicated, and are subject to change without notice.

GENERAL

Frequency Ranges:	156.025 MHz - 163.275 MHz (Marine Band + WX Band) 134.000 MHz - 174.000 MHz (LMR Band)
Channel Spacing:	25 kHz / 12.5 kHz
Frequency Stability:	±2.5 ppm (-30 °C to +60 °C)
Emission Type:	16K0G3E (Marine Band) 16K0F3E (LMR Band: Wide) 11K0F3E (LMR Band: Narrow)
Antenna Impedance:	50 Ω
Supply Voltage:	7.4V DC, Negative Ground (Battery Terminal)
Current Consumption:	320 mA (Receive, Typical at AF MAX.) 50 mA (Standby) 1.6 A / 0.8 A (TX: 5 W / 1W)
Operating Temperature:	-30 °C to +60 °C
Battery Type and capacity:	Lithium-Ion, 2400 mAh
Waterproof Rating:	JIS-8 / IPX8 (1.5 m (about 5Ft) for 30 minutes)
Case Size (W x H x D):	2.24" x 5.24" x 1.57" (57 x 133 x 40 mm) w/o knob & antenna
Weight (Approx.):	12.3 oz (350 g) w/FNB-115LI, Belt Clip, & Antenna

TRANSMITTER

RF Power Output:	5 W / 1 W (@7.4 V)
Modulation Type:	Variable Reactance
Maximum Deviation:	±5.0 kHz (Wide) / ±2.5 kHz (Narrow)
Spurious Emission:	-36 dBm (<1 GHz), -30 dBm (>1 GHz)
Microphone Impedance:	2 kΩ

RECEIVER

Circuit Type:	Double-Conversion Superheterodyne
Intermediate Frequencies:	1st: 67.65 MHz, 2nd: 450 kHz
Adjacent Channel Selectivity:	70 dB typical (Wide) 60 dB typical (Narrow)
Intermodulation:	68 dB typical
Sensitivity:	-6 dBµV (0.25 µV) for 12 dB SINAD
Selectivity (Wide):	12 kHz / 25 kHz (-6 dB / -60 dB)
Selectivity (Narrow):	6 kHz / 18 kHz (-6 dB / -60 dB)
AF Output (Internal SP):	700 mW @16 Ω for 10 % THD (@7.4 V)
AF Output (External SP):	350 mW @8 Ω for 10 % THD (@7.4 V)

Measured in accordance with TIA/EIA-603.

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