

**World's Smallest 5 W VHF Handheld
Submersible**

**Rugged Die-Cast Aluminum Case
and Chassis**

**Extended Battery Life With Lithium-Ion
(no memory) Rechargeable Battery**

3 Hour 110 VAC/12 VDC Quick Charger

**Programmable Scan and User
Selectable Priority Scan**

NOAA Weather Alert



Actual Size



*Black Type Available

Nothing takes to water like Horizon!



STANDARD HORIZON

STANDARD HORIZON's new pocket sized HX460S sets a new standard for the marine VHF Handheld. The HX460S features a unique combination of size, power, durability and battery life.

SMALL IN SIZE, BIG IN POWER

Don't let the size of the HX460S mislead you. While the HX460S is a mere 3.5 inches tall it delivers a full 5 Watts of talking power. The unit features two other battery extending power settings of 2.5 Watts and 1 Watt.

DROP IT OR DUNK IT-THE HX460S IS DESIGNED TO TAKE IT

The HX460S utilizes a high impact, non-corrosive die-cast case and chassis. This unique case insures the HX460S will withstand the physical abuse a Handheld VHF receives from being dropped or banged on the deck of a boat.

Engineered for unparalleled reliability, the HX460S exceeds JIS 7 standards for waterproofing to 3 feet for 30 minutes continuously.

CHARGE THE BATTERY WHEN AND WHERE YOU WANT

A whopping 1100 mAh Lithium-Ion Battery is standard equipment with the HX460S. The Lithium-Ion Battery provides extended hours of operation between charges. Unlike other rechargeable batteries, Lithium-Ion batteries do not develop a memory when charged before being completely discharged. Additionally, our Lithium-Ion battery will hold its charge even when the radio is unused for months longer than a traditional NiCad. When it is time to recharge your battery, the 110 VAC or 12 VDC quick charger (3 hours or less) will get you back on the air quickly. Finally, there is no surprise when the battery does require a charge : The HX460S features a unique battery life indicator on the LCD that works like a dynamic "gas gauge," indicating when the battery needs to be charged.

ESSENTIAL OPERATIONAL FEATURES

Although the HX460S is small in overall size, it features a large LCD window with tall, wide digits and bold information flags that are easy to read and identify. Both the LCD and the keypad are backlit for best visibility at night.

The HX460S is programmed with all U.S., Canadian, and International channels, plus one-button access to NOAA weather channels including weather alerts, as well as channels 16/9 and five user-selected pre-set channels. User-programmable scanning can be set with or without a priority channel of choice.

BUILT BETTER, BACKED BETTER

Because the HX460S is built better, it's backed better. If the STANDARD HORIZON HX460S VHF radio fails for any reason (including water damage) during normal use in the first three years of ownership, STANDARD HORIZON will repair or replace it free, without hassle or charges. If it fails any time thereafter in normal use, for as long as the original purchaser owns the radio, STANDARD HORIZON's Lifetime Flat Rate Service Program will cover it. The Flat Rate is determined at the time of original purchase.



Marine Division of Vertex Standard
 US Headquarters
 10900 Walker Street,
 Cypress, CA 90630
 Phone: 714/827-7600
 Fax 800/552-6813
 Email: marinetechn@vxstdusa.com
 Web: www.standardhorizon.com



OPTIONAL ACCESSORIES:



General	
Frequency Range	TX : 156.025-157.425 MHz RX : 156.050-163.275 MHz
Number of Channels	All U.S., Canadian & International 10 NOAA weather channels
Channel Spacing	25 kHz
Modulation Type	16K0F3E
Supply Voltage	7.2 VDC (Battery Terminal) 6~16VDC (EXT DC Jack)
Current Consumption	STBY : 50 mA Saver on : 23 mA RX : 195 mA TX : 1.6 A (H)/0.9 A (M)/0.6 A (L)
Temperature Range	-4° F to +140° F -20° C to + 60° C
Battery Life	11 hours @ 5 W (HI)
RX:TX:STBY:	15 hours @ 2.5 W (MID)
5/5/90 duty cycle	19 hours @ 1 W (MID)
Dimensions	3.8" (H) x 2.4" (W) x 1.1" (D) 96 (H) x 60 (W) x 29 (D) mm
Weight	0.64 lb (0.29 kg) with CNB460 & antenna
Transmitter	
Frequency Range	156.025-157.425 MHz
RF Output Power	5/2.5/1 W @ 7.2 V or 13.8 V
Spurious Emissions	65 dB below carrier
AF Distortion	<5 % @ 1 kHz
Max Deviation	±5 kHz
Frequency Stability	±5 ppm
FM Hum & Noise	>40 dB
Microphone Type	Condenser
Microphone Impedance	2 k Ohms
Receiver	
Frequency Range	RX : 156.050-163.275 MHz
Circuit Type	Double-Conversion Superheterodyne
Intermediate Frequencies	1st : 21.7 MHz 2nd : 450 kHz
Sensitivity	0.2 μV 12 dB SINAD
Adjacent Channel Selectivity	70 dB
Intermodulation	70 dB
Spurious Response	70 dB
Speaker Impedance	8 Ohms
AF Output	0.4 W @ 8 Ohms 10 % THD 7.2 V 0.5 W @ 8 Ohms 10 % THD 13.8V