



STANDARD HORIZON

Submersible
VHF/FM Marine Transceiver

HX500S

- Submersible , IPX7 (1 m for 30 min)
- 5, 2.5 or 1 Watt Transmit Power on Marine VHF
- Rugged Construction
- 700 mW Loud Audio
- Programmable Scan, Priority Scan, Dual Watch and Tri Watch
- Channel Name Capability
- Includes 1400 mAh Rechargeable Ni-MH Battery and the AC or 12 VDC 10 Hour Chargers
- Connection for Optional Speaker Microphone or Headset
- Unique High Intensity Distress Signalling Strobe Light
- Backlit Keypad and Extra Large Display
- Hands-Free Operation (VC-24 VOX Headset Required)
- Compact Size



Supplied with



CD-32
Charger Cradle



E-DC-19A
DC Cable with 12 V
Cigarette Lighter Plug



FNB-83
7.2 V 1400 mAh
Ni-MH Battery Pack



NC-88B/C*
Overnight Charger



CAT460
Antenna

*B for 120 VDC/C for 220 VDC

*Simulated LCD Display

Actual Size

IPX7
1 m for 30 min
Submersible

5, 2.5 or 1 Watt Transmit Power on Marine VHF

User selectable transmit power output allows longer talk time. Select 2.5 or 1 watt in close to shore or inside the marina or 5 watts when you need to be heard or in an emergency situation.

Submersible (IPX7 : 1 m for 30 min) and Rugged Construction

The HX500S is built to last with an impact resistant poly carbonate outer shell. This meets industry standards for water proofing of 1 m for 30 minutes.

Unique High Intensity Distress Signalling Strobe Light

Be seen! This unique high intensity strobe light can be seen up to one mile away. In an emergency the unique, super bright LED distress strobe light blinks internationally recognized SOS to visually signal another vessel. This just might be that extra advantage you need if rescue from dark and stormy seas is necessary.

Backlit Keypad and Extra Large Display

A bright display and bold numbers takes the headache out of operating the HX500S even on the brightest day.

Channel Name Capability

All the information you need right at your fingertips. Customizable channel naming allows you to easily change the channel name for greater ease of use and channel recognition.

700 mW Loud Audio

Be heard! With 700 mW of audio power you will have no problem hearing this radio even in the loudest conditions. Add additional audio with an external speaker mic or headset.

Programmable Scan, Priority Scan, Dual Watch and Tri Watch

Select any of the channels you would like to scan with the press of a button. Select Dual Watch to scan your selected channel and channel 16 simultaneously. This way you will not miss any of the very important calls made on channel 16. Similar to Dual Watch, Priority Scan allows scanning of more than one channel with Channel 16.



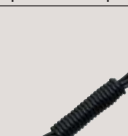
•Includes 1400 mAh Rechargeable Ni-MH Battery and the AC or 12 VDC 10 hour chargers •Connection for optional speaker microphone or headset

SPECIFICATIONS

General	
Frequency Ranges (MHz)	156 MHz - 163.275 MHz (Marine Band + WX Band)
Channel Steps	25 kHz
Frequency Stability	±10 ppm (-20° C to +60° C)
Emission Type	16K0G3E
Antenna Impedance	50 Ohms
Supply Voltage	Nominal: 7.2 V DC, Negative Ground (Battery Terminal)
Current Consumption	170 mA (Receive) 50 mA (Standby) 1.45 A (5 W transmit) 1.0 A (2.5 W transmit) 0.6 A (1 W transmit)
Operating Temperature	-20° C to +60° C
Case Size (W x H x D)	58 x 104 x 30.5 mm w/o knob & antenna
Weight (Approx.)	350 g with FNB-83, Antenna
Waterproof Spec	IPX7
Transmitter	
RF Power Output (@7.4 V)	5, 2.5 or 1 W
Modulation Type	Variable Reactance
Maximum Deviation	± 5 kHz
Spurious Emission	At least 65 dB below
Microphone Impedance	2 k-Ohm
Receiver	
Circuit Type	Double-Conversion Superheterodyne
Intermediate Frequencies	1st: 47.25 MHz 2nd: 450 kHz
Sensitivity	0.2 µV for 12 dB SINAD
Adjacent Channel Selectivity	65 dB Typical
Intermodulation	65 dB Typical
Selectivity	25 kHz (-60 dB)
AF Output (Internal speaker)	700 mW @ 16 Ohm for 10 % THD (@7.4 V)

Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

OPTIONAL ACCESSORIES

 CMP460S Noise-canceling Waterproof Speaker/Microphone	 MH-57A4B Mini Speaker/Microphone	 VC-24 VOX Headset	 VC-27 Earpiece/Microphone	 VAC-10B/C* Rapid Charger
 FBA-25A Alkaline Battery Case	 FNB-83 (Spare) 7.2 V 1400 mAh Ni-MH Battery Pack	 E-DC-19A (Spare) DC cable with 12 V Cigarette Lighter Plug	 E-DC-6 DC Cable; Plug and Wire Only	 CAW230 Radio to Ship's Antenna Adapter

CT-111 Programming cable CE80 Programming software

*B for 120 VAC/C for 220 VAC