



- Submersible, IPX7 (1 m for 30 min)
- 5, 2.5 or 1 Watt Transmit Power
- Rugged Construction
- 700 mW Loud Audio
- DSC Distress Equipped. Interface the HX600S with any GPS Using the NMEA Connections on the Charging Cradle
- AM/FM Radio and Aircraft Band Receive
- Programmable Scan, Priority Scan, Dual Watch and Tri Watch
- Channel Name Capability
- Includes 1400mAh Rechargeable Ni-MH Battery and the 120 VAC 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)
- Time Out Timer
- Compact Size
- Private Communications with the Optional FVP-31 Voice Scrambler

**VHF DSC DISTRESS With Position When Connected to GPS
Receive AM or FM Broadcasts, Aeronautical to Air Band**



**Supplied
with**



*B for 120 VDC/C for 220 VDC

*Simulated LCD Display

Actual Size

**Air Band
RX**

**AM/FM
Broadcast
RX**

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 HX600S is built to last with an impact resistant poly carbonate outer shell. It meets industry standards for water proofing of 1 m for 30 minutes.

700 mW Loud Audio

Be heard! With 700mW 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.

Unique High Intensity Distress Signalling Strobe Light

Be seen! This unique high intensity strobe light can be seen for miles. 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.



DSC Distress Equipped

Interface the HX600S with a GPS using the supplied interface cable and you can send GPS information to the VHF. When interfaced, it allows transmission of a DSC Distress call with position information.

The Airband and AM/FM Broadcast RX Capability

This multiband radio can also be used to monitor aircraft traffic. Or if you prefer, you can relax and listen to music on the FM band, or listen to the game on the AM bands.

- Programmable Scan, Priority Scan, Dual Watch and Tri Watch
- Channel name capability
- Includes 1400mAh Rechargeable Ni-MH Battery and the AC or 12 VDC 10 hour chargers
- Connection for optional speaker microphone or headset
- Backlit Keypad and extra large display

SPECIFICATIONS

General	
Frequency Ranges (MHz)	156 MHz - 163.275 MHz (Marine Band + WX Band) Channel Steps: 25 kHz 88 MHz - 108 MHz (FM Broadcast Receive only) Channel Steps: 100 kHz 500 kHz - 1800 kHz (AM Broadcast Receive only) Channel Steps: 10 / 9 kHz 108 MHz - 137 MHz (AIR Band) Channel Steps: 25 kHz
Frequency Stability	± 10 ppm (-20° C to +60° C)
Emission Type	16K0G3E, 16K0G2B
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 (NFM, AM) Triple-Conversion Superheterodyne (WFM)
Intermediate Frequencies	NFM, AM WFM
	1st: 47.25 MHz 45.8 MHz 2nd: 450 kHz 10.7 MHz 3rd: ----- 1 MHz
Sensitivity	0.2 µV for 12 dB SINAD (Marine Band) 0.2 µV for 12 dB SINAD (WX Band) 1 µV for 12 dB SINAD (FM Broadcast) 1 µV for 10 dB SN (AM Broadcast) 1 µV for 10 dB SN (AIR Band)
Adjacent Channel Selectivity	65 dB Typical
Intermodulation	65 dB Typical
Selectivity	25 kHz (-60 dB) NFM / AM 300 kHz (-20 dB) WFM
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	 FVP-31 Voice Scrambler	 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	*B for 120 VAC/ C for 220 VAC CT-111 Programming cable CE80 Programming software