STANDARD HORIZON

Nothing takes to water like Standard Horizon



Actual Size

Floating Handheld VHF FM Marine Transceiver

HX320

(HX320: USA / HX320E: Europe and Asia)

IPX7 Submersible 1m for 30min

Bluetooth®

- **Floating**
- **Submersible IPX7: 3.3ft (1m) for 30 minutes**
- **6W Transmit Power*1**
- **700mW Loud Audio**
- **Large Channel Display**
- **Water Activated Emergency Strobe Light**
- **Wireless Operation with Bluetooth®**
- **USB Charging**
- **NOAA Weather Channels with Weather Alert*2**

*1 5W TX power required in some countries *2 Only available in NOAA weather service areas

3 Year WARRANTY

ClearVoice® NOISE REDUCTION TECHNOLOGY

FLOATING · SUBMERSIBLE · 6W Transmit Power · LOUD AUDIO · 16/S · E 2 O Easy To Operate

Li-Polymer Battery Built-in · USB Charger Included · STROBE LIGHT · (FM) Broadcast Radio Receiver · NOAA WEATHER CHANNELS / ALERT · OPTIONAL MIC / HEADSET

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Floating Handheld VHF FM Marine Transceiver

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FEATURES

6W* Transmit Power on Marine VHF

The HX320 provides a full 6 Watts of transmit power, also selectable to 2.5W or 1W settings to assist in obtaining maximum battery life.

*5W TX power required in some countries.

700mW Loud Audio Output

The HX320 is designed to be heard, even in noisy environments, with 700mW of audio power supplied to the internal speaker.

Floating IPX7 Submersible Construction (3.3ft /1m of water for 30 minutes)

Engineered to be rugged and reliable, the HX320 is designed to float and constructed to survive submersion* with the IPX7 water resistant rating.

*When the MIC/SP jack and USB jack are securely covered with rubber caps.



Floating image

Water Activated Emergency Strobe Light

When the HX320 comes in contact with water, the water activated strobe light will turn on "WHITE" to assist in finding the radio in low light conditions. This feature operates whether the radio is ON or OFF.

17 hours operating time with built-in Lithium-Polymer Battery

Built-in 2100mAh high capacity Lithium polymer battery provides 17* hours (approx.).

*Based on Duty Cycle = (Tx) 5sec: (Rx) 5sec: (Standby) 90sec; with Tx (High) Power, Bluetooth OFF

USB Charging (USB type-C)

Equipped with the USB type-C jack for charging the HX320. USB-AC adapter (Supplied) or other charging devices can be used for the built-in battery charging.

*The HX320 accepts USB charging input with 5V/1A or others. Although other commercially available charging devices can be used, the charging of all devices is not guaranteed.

Wireless Operation with Bluetooth®

The HX320 enables wireless operation using the optional Bluetooth® headset SSM-BT10.

Large Channel Display

Visibility is enhanced with an ample LCD display incorporating large and bold channel information flags that are easy to identify.

Channel [16/S] Quick Access

Emergency channel 16 can be immediately accessed by pressing the [16/S] key.

- Preset key used to recall up to 10 favorite channels
- Programmable Scan, Priority Scan, Dual Watch and Triple Watch
- Integrated FM Broadcast Receiver
- NOAA Weather Channels with Weather Alert (Only available in NOAA weather service areas)

SPECIFICATIONS

General	
Channels	All USA Marine, Canadian Marine and International (Depends on the version)
Channel Spacing	25kHz
Frequency Stability	±3ppm –4°F to +140°F (–20°C to +60°C)
Emission Type	16K0G3E
Antenna Impedance	50 Ω
Supply Voltage	7.4VDC Negative Ground
Current Consumption	330mA (Receive), 100mA (Standby) TX: 1.6A / 1.0A / 0.7A (TX: 6W* / 2.5W / 1W)
Operating Temperature	–4°F to +140°F (–20°C to +60°C)
Waterproof rating	IPX7 : 3.3ft (1m) for 30 minutes
Case Size (W × H × D)	2.36" × 5.24" × 1.65" (60 × 133 × 42mm) (w/o knob & antenna)
Weight (Approx.)	10.23oz (290g) (With hand strap, belt clip & antenna)
Transmitter	
Frequency Range (MHz)	Marine Band 156.025MHz - 161.600MHz
RF Output Power	6W* / 2.5W / 1W (@7.4V)
Maximum Deviation	±5kHz
Spurious Emission	Less than 0.25µW
Microphone Impedance	2kΩ
Receiver	
Frequency Range (MHz)	Marine Band 156.050MHz - 163.275MHz
Circuit Type	Single-Conversion Superheterodyne
Sensitivity	0.25µV for 12dB SINAD(US) –5dBµ for 20dB SINAD(EXP)
Selectivity	12kHz / 25kHz (–6dB / –60dB)
Intermodulation	70dB typ.(US), 68dB typ.(EXP)
AF Output (Internal SP)	700mW @ 16Ω for 10% THD (@ 7.4V)
FM Broadcast Receiver	
Frequency Range	65MHz - 108MHz
Frequency Step	100kHz
Sensitivity	1.0µV for 12dB SINAD

*5W TX power required in some countries

SUPPLIED ACCESSORIES

- **VHF Marine Antenna**
- **USB AC Adapter**
- **Charger Cradle**
- **USB Cable**
  USB type-A to USB type-C Charging cable
- **Belt Clip**
- **Hand Strap**

OPTIONAL ACCESSORIES

SSM-21A
Submersible Speaker / Microphone with Earphone Jack



MH-73A4B
Submersible Speaker Microphone



CMP460
Submersible Speaker Microphone



SSM-17H
Speaker Microphone



SSM-BT10
Bluetooth® Headset



SSM-64A
VOX Headset



SSM-517A
Earpiece / Microphone



SEP-10A
Earphone for SSM-21A



SRA-19B*1
VHF Marine Antenna



SBH-49*1
Charger Cradle



SAD-27*1
USB AC Adapter



USB Cable*1
USB type-A to USB type-C Charging cable



CLIP-22*1
Belt Clip



SCH-11
Belt Clip Hanger



SHB-110
Quick Release Holster



CN-3
Antenna Adapter (SMA to BNC)



*1The same as supplied accessory

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