

# STANDARD HORIZON

## FLOATING HANDHELD MARINE VHF TRANCEIVERS

### HX100/HX150



- 2.5W Transmit Power
- SUBMERSIBLE IPX7
- FLOATING
- LARGE BUTTONS
- LIGHT-WEIGHT
- 700 mAh NI-MH Battery Included
- 100-240 VAC Wall Charger Included
- Twin Charge Cradle Included
- LOUD AUDIO
- LARGE DISPLAY
- NOAA WEATHER CHANNELS/ALERT

**IPX7**  
1 m for 30 min Submersible



- 5W Transmit Power
- SUBMERSIBLE IPX7
- FLOATING
- LARGE BUTTONS
- LIGHT-WEIGHT
- 1030 mAh Li-ion Battery Included
- 100-240 VAC Wall Charger Included
- LOUD AUDIO
- LARGE DISPLAY
- NOAA WEATHER CHANNELS/ALERT

**IPX7**  
1 m for 30 min Submersible

**HX100**  
FLOATING MARINE VHF TRANCEIVER TWIN PACK

**HX150**  
FLOATING MARINE VHF TRANCEIVER

Actual Size, \*Simulated LCD Display

Actual Size, \*Simulated LCD Display

### Included Accessories

**CD-56**  
Twin Charging Cradle (For HX100)



**CD-57**  
Charging Cradle (For HX150)



**PA-48**  
AC Wall Charger



**FNB-125**  
Ni-MH Battery Pack (For HX100)



**FNB-124LI**  
Li-Ion Battery Pack (For HX150)

**CLIP-24**  
Belt Clip

## Main Features

- Floating
- Submersible IPX7 (1 m for 30 minutes)
- Slim, form fitting case design
- E2O (Easy To Operate) menu system
- Selectable 2.5 and 1 Watt transmit power output (HX100)
- Selectable 5 and 1 Watt transmit power output (HX150)
- Large channel display
- 500mW loud internal speaker audio
- Programmable Scan, Priority Scan and Dual Watch
- Squelch level on display
- Battery life indicator
- Supplied with a 700mAh Ni-MH battery and twin charging cradle (HX100)
- Supplied with a 1030mAh Li-ion battery and Charging cradle (HX150)
- Value Packaged Twin Pack (HX100)

The HX100 comes value packed with two floating Handheld VHF radios and a dual charging station to charge both radios simultaneously when not in use.

### OPTIONAL ACCESSORIES



**E-DC-19A**  
DC cable with 12 V  
Cigarette Lighter Plug

### INCLUDED ACCESSORIES

**FNB-125** Ni-MH Battery Pack (For HX100)

**CD-56** Twin Charging Cradle (For HX100)

**CLIP-24** Belt Clip

**FNB-124LI** Li-Ion Battery Pack (For HX150)

**CD-57** Charging Cradle (For HX150)

**PA-48** AC Wall Charger

# STANDARD HORIZON

## SPECIFICATIONS

General	
Frequency Ranges	TX: 156.025 - 157.425 MHz RX: 156.050 - 163.275 MHz
Channel Spacing	25 kHz
Frequency Stability	±5 ppm (-20 °C to +60 °C)
Emission Type	16K0G3E
Antenna Impedance	50 Ω
Supply Voltage	HX100: 4.8V DC, Negative Ground HX150: 7.4V DC, Negative Ground
Current Consumption	300mA (Receive, Typical at AF MAX.) 15mA (Standby) HX100: 1.1A / 0.8A (TX: 2.5W / 1W) HX150: 1.5A / 0.7A (TX: 5W / 1W)
Operating Temperature	-20 °C to +60 °C
Waterproof Rating	IPX7 (1m for 30 minutes)
Case Size (W x H x D)	62 x 135 x 38.5 mm (w/o Knob & Antenna)
Weight (Approx.)	HX100: 245g (with FNB-125, Belt Clip) HX150: 235g (with FNB-124LI, Belt Clip)
TRANSMITTER	
RF Power Output	HX100: 2.5W / 1W (@4.8V) HX150: 5W / 1W (@7.4V)
Modulation Type	Variable Reactance
Maximum Deviation	±5 kHz
Spurious Emission	-60 dBc typical
Microphone Impedance	2 kΩ
RECEIVER	
Circuit Type	Direct-Conversion Superheterodyne
Adjacent Channel Selectivity	65 dB typical
Intermodulation	65 dB typical
Hum & Noise Ratio	40 dB typical
Sensitivity	0.3 μV for 12 dB SINAD
Selectivity	25 kHz (-65 dB)
AF Output (Internal SP)	HX100: 500mW @16Ω for 10% THD (@4.8V) HX150: 500mW @16Ω for 10% THD (@7.4V)

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

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