

STANDARD HORIZON

Nothing takes to water like Standard Horizon



MARINE COMMUNICATIONS PRODUCT CATALOG 2018

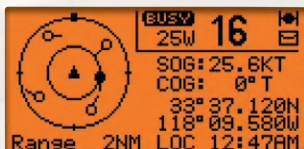


Fixed Mount VHF Radios

POWER, PERFORMANCE, RELIABILITY

ADVANCED FEATURES

- AIS/AIS SART target display: MMSI, Call Sign, Ship Name, BRG, DST, SOG and COG



- Integrated 66 Channel GPS antenna
- BUILT-IN AIS
Integrated dual channel AIS (Automatic Identification System) receiver
- Clear Voice noise canceling speaker microphone with channel selection and 16/9 key
- Extra-large rotary channel knob
- 80dB Commercial grade receiver

► Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White
Available in Black and White



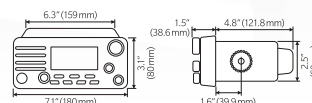
GX2200 MATRIX AIS/GPS ITU CLASS D BUILT-IN AIS

FIRST FIXED MOUNT VHF WITH BUILT-IN AIS/GPS RECEIVER
30W PA/FOG-RAM3+ COMPATIBLE

- Meets ITU-R M.493-13 Class D (Digital Selective Calling)
- Scanning and Dual Watch operation
- GPS Compass, Waypoint and GPS status pages
- DSC position request and report functions
- NOAA Weather Channels with Weather Alert
- Supports optional RAM3+ second station remote microphone with AIS display
- Integrated dual channel AIS (Automatic Identification System) receiver
- Navigate to waypoints with Entered & Saved on the Compass page
- Direct calling to Class A and Class B vessels using the DSC individual call feature
- Programmable CPA or TCPA collision avoidance alarms
- Navigation (LAT/LON, Time, SOG and COG) information is shown on display
- 4800 or 38400 NMEA 0183 baud rate selection, for plotters with 1 NMEA port
- User customizable soft keys for easy menu operation

IPX7
Submersible
1m for 30min

3 Year
WARRANTY



Icon Function List

Radio Specifications ▶	FLOATING 	SUBMERSIBLE 	SUBMERSIBLE 	6W Transmit Power 	LOUD AUDIO 700mW 	LOUD AUDIO 	80 dB RECEIVER 	LAND MOBILE CHANNELS 	3.7V Battery technology 	AVAILABLE IN BLACK OR WHITE 	3 Year WARRANTY	
Usability ▶	E 2 0 Easy To Operate	16 / 9 	16 / 5 	LARGE DISPLAY 	Li-Ion Battery Included 	AC and DC Charger Included 	USB Charger Included 	Connectivity ▶	SECOND STATION 	OPTIONAL MIC / HEADSET 	LOUD HAILER 	
Features ▶	CLASS D DSC 	DSC DISTRESS and POS Polling	GM Group Monitor 	GPS COMPASS 	WAYPOINT NAV 	GPS 	AIS 	FM Broadcast Radio Receiver 	TOPE CONTROL T B 	MOB Man Overboard 	STROBE LIGHT 	NOAA WEATHER CHANNELS / ALER 



GX2000

MATRIX *ITU CLASS D*

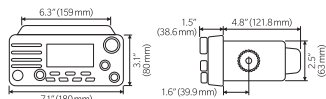
FIXED MOUNT DSC VHF
WITH AIS INPUT, 30W PA/
FOG, RAM3+ COMPATIBLE

► Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black

IPX7
Submersible
1m for 30min

3 Year
WARRANTY



- Meets ITU-R M.493-13 Class D (Digital Selective Calling)
- Scanning and Dual Watch operation
- Separate receiver for CH70 built in (Receiving DSC Calls)
- NOAA Weather Channels with Weather Alert
- Optional RAM3+ second station remote microphone is supported
- Navigation to Waypoints that are entered & saved on the Compass page*2
- AIS (Automatic Identification System) receiver or transponder connection
- AIS target display: MMSI, Call Sign, Ship Name, BRG, DST, SOG and COG*1,2
- Directly call class A and class B vessels using the DSC individual call feature*1,2
- CPA (Closest Point of Approach) Alarm*1,2
- Class D DSC (Digital Selective Calling) with Individual, Group, All Ships, Position Report, Request and Distress*2



GX1600

EXPLORER *ITU CLASS D*

ULTRA COMPACT
FIXED MOUNT DSC
VHF-RAM3+ COMPATIBLE

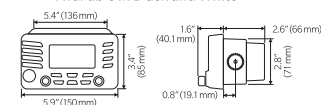
► Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White

Available in Black and White

IPX8
Submersible
1.5m for 30min

3 Year
WARRANTY



- Meets ITU-R M.493-13 Class D (Digital Selective Calling)
- Ultra-slim and compact rear case design (3.5" depth)
- Scanning and Dual Watch operation
- Separate receiver for CH70 built in (Receiving DSC Calls)
- NOAA Weather Channels with Weather Alert
- Optional RAM3+ second station remote microphone is supported
- Navigation to Waypoints that are entered & saved on the Compass Page*2
- Automatically poll the GPS position of up to 4 vessels using DSC*2
- Navigation (LAT/LON, SOG, and COG) information shown on display*2
- Noise canceling microphone with channel UP/DOWN, 16/9 and H/L keys



GX1700

EXPLORER GPS *ITU CLASS D*

ULTRA SLIM & COMPACT
REAR CASE..... FIRST FIXED
MOUNT VHF WITH BUILT-IN GPS!

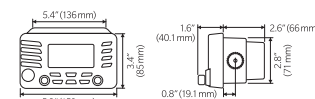
► Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White

Available in Black and White

IPX8
Submersible
1.5m for 30min

3 Year
WARRANTY



- Meets ITU-R M.493-13 Class D (Digital Selective Calling)
- Ultra-slim and compact rear case design (3.5" depth)
- Scanning and Dual Watch operation
- Separate receiver for CH70 built in (Receiving DSC Calls)
- NOAA Weather Channels with Weather Alert
- Optional RAM3+ second station remote microphone is supported
- Navigation to Waypoints that are entered & saved on the Compass Page
- GPS antenna built-in (66 Channel)
- Automatically poll the GPS position of up to 4 vessels using DSC
- Navigation (LAT/LON, SOG, and COG) information shown on display
- Noise cancelling microphone with channel UP/DOWN, 16/9 and H/L keys



GX1300

ECLIPSE *ITU CLASS D*

FIXED MOUNT
CLASS D DSC VHF

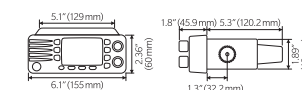
► Supplied Accessories:
Power Cord and Mounting Bracket

Body color: ● Black ○ White

Available in Black and White

IPX8
Submersible
1.5m for 30min

3 Year
WARRANTY



- Meets ITU-R M.493-13 Class D (Digital Selective Calling)
- Affordable Ultra Compact Fixed Mount VHF radio
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- Separate receiver for CH70 built in (Receiving DSC Calls)
- NOAA Weather Channels with Weather Alert
- Automatically poll the GPS position of up to 6 vessels using DSC*2
- GPS position and Time are shown on a full dot matrix display (Requires GPS Receiver connection)
- DSC Distress, Individual, Group, All Ships, Position Request, Position Report, and DSC Test Calling*2
- Large-size dot matrix display (1.2" x 2.2")



Fixed Mount VHF Radio Accessories

	Microphone / Cable		External GPS Antenna	Encryption	Cover	External Speaker		Hail / PA Speaker		Bracket
Model	CMP31B/CMP31W Remote station microphone (Black/White) RAM3+	CT-100 23ft (7m) extension cable for CMP31	SCU-31 External GPS antenna with 49ft (15m) of cable	CVS2500A Voice scrambler	Dust Cover	MLS-300 External Speaker	MLS-310 External Speaker with 10W amplifier	220SW 4.5" (114mm) Round PA/hailing horn 30W 4 Ohm	240SW 5" x 8" (127mm x 203mm) Rectangular PA/ hailing horn 40W 4 Ohm	Flush mount bracket
GX2200	•	•	•	•	HC2000	•	•	•	•	MMB-84
GX2000	•	•	•	•	HC2000	•	•	•	•	MMB-84
GX1700	•	•	•	•	HC1600	•	•	•	•	MMB-97
GX1600	•	•	•	•	HC1600	•	•	•	•	MMB-97
GX1300	•	•	•	•	HC1100	•	•	•	•	MMB-84

*1 when connected to an optional AIS receiver or transponder *2 when connected to an optional GPS

Floating Handheld VHF Radios

LEADING THE INDUSTRY WITH THE FIRST FLOATING VHF WITH GPS

ADVANCED FEATURES

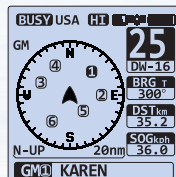
- Integrated 66 Channel WAAS GPS antenna and GPS memory log



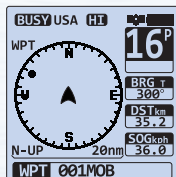
- Oversized full dot matrix display (1.7" x 1.7") (2.3" diagonal)



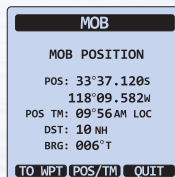
MENU SCREEN



GROUP MONITOR SCREEN



MOB WAYPOINT SCREEN



MOB SCREEN

- Noise canceling function for transmit and receive audio
- USB Data Port - NMEA 0183 sentence Output DSC, DSE, GLL, RMC, GSA, GSV and GGA (9600 baud), and download GPS logged Data
- Water Activated Emergency Strobe Light
- Supplied with a 7.4V 1800mAh Li-Ion battery

Supplied Accessories:

CAT460 Antenna, SBR-13LI 7.4V 1800mAh Li-Ion Battery Pack, SBH-12 Charger Cradle, SAD-18 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, SBT-13 Alkaline Battery Case, CLIP-22 Belt Clip, YS-05-01 Hand Strap and T9101606 USB Cable

Overall Dimensions: 2.44" x 5.43" x 1.69" (62mm x 138mm x 43mm); Weight: 11.36oz (322g) (with: SBR-13LI, Hand Strap, Belt Clip & Antenna)



HX870 ITU CLASS D

FLOATING 6-WATT CLASS D HANDHELD VHF WITH GPS

- Floating
- 6W transmit power output (Selectable 6/2/1W)
- 700mW Loud Audio Output
- Preset key used to recall up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- Supplied with 7.4V 1800mAh Li-Ion battery
- NOAA Weather Channels with Weather Alert
- Meets ITU-R M.493-13 Class D DSC (Digital Selective Calling)
- Built in dedicated channel 70 receiver for Class D DSC
- Navigate to the location of a DSC Distress Call using the Compass Page
- GM (Group Monitor) using DSC Group Position Calling
- DSC Test Calling and Auto DSC Channel Change Selection
- Automatically poll the GPS positions of vessels using DSC
- Navigation to Waypoints that are entered & saved on the Compass Page
- Navigation to Waypoints that are entered & saved on the Compass Page
- MOB (Man Overboard) GPS Location Function
- Navigation (LAT/LON, SOG, and COG) information shown on display



IPX8
Submersible
1.5m for 30min



3 Year
WARRANTY



Handheld VHF Radio Accessories

	Antenna / Adapter		Battery		Battery Charger			Belt clip	
Model	CAT460 VHF Marine Antenna	CN-3 BNC-SMA Adapter	Rechargeable	Alkaline Battery tray	Cradle	AC Adapter	DC Cable (with Cigarette Lighter Plug)	SDD-14 USB DC Charger with Cigarette Lighter Plug	
									
HX870	●*1	●	SBR-13LI 1800mAh Li-Ion*1	SBT-13 (5 x AAA)*1	SBH-12*1	SAD-18B*1,2	E-DC-19A*1		CLIP-22*1
HX40	●*1	●	1850mAh (Dealer replaceable)		SBH-27*1	SAD-23B/C*1,2	E-DC-19A*1		SHB-19*1
HX210	●*1	●	1850mAh (Dealer replaceable)		SBH-25*1	SAD-23B/C*1,2	E-DC-19A*1		CLIP-22*1
HX300	●*1	●	SBR-27LI 1800mAh Li-Ion*1	FBA-44 (3 x AAA)		SAD-17B/C*1,2		●*1	CLIP-22*1
HX150			FNB-124LI 1030mAh Li-Ion*1		CD-57*1	SAD-18B/PA-48C*1,2	E-DC-19A		CLIP-24*1
HX100			FNB-125 700mAh Ni-MH*1		CD-56*1	SAD-18B/PA-48C*1,2	E-DC-19A		CLIP-24*1



NEW for 2018 HX40

ULTRA COMPACT HANDHELD VHF

► Supplied Accessories:

CAT460 Antenna, SBH-27 Charger Cradle, SAD-23 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, SHB-19 Belt Clip and Hand Strap

Overall Dimensions:
2.05" × 3.74" × 1.3" (52mm × 95mm × 33mm)

Weight:
8.1oz (230g) (with: Hand Strap, Belt Clip & Antenna)

IPX7
Submersible
1m for 30min



3 Year
WARRANTY

* When fitted into optional flotation case

- Floating (When fitted into optional flotation case)
- Ultra Compact case design: 2.05" × 3.74" × 1.3"
- 6W transmit power output (Selectable 6/2.5/1W)
- 600mW Loud Audio Output
- Preset key used to recall up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- Built-in Lithium Polymer Battery Pack (7.4V, 1850mAh)
- NOAA Weather Channels with Weather Alert
- FM Broadcast Radio Receiver



HX210

COMPACT FLOATING HANDHELD VHF

► Supplied Accessories:

CAT460 Antenna, SBH-25 Charger Cradle, SAD-23 AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, CLIP-22 Belt Clip and Hand Strap

Overall Dimensions:
2.36" × 5.20" × 1.57" (60mm × 132mm × 40mm)

Weight:
9.88oz (280g) (with: Hand Strap, Belt Clip & Antenna)

IPX7
Submersible
1m for 30min



3 Year
WARRANTY

- Floating
- Compact case design: 2.36" × 5.20" × 1.57"
- 6W transmit power output (Selectable 6/2.5/1W)
- 600mW Loud Audio Output
- Preset key used to recall up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/S Quick Access (S: Sub-channel)
- Built-in Lithium Polymer Battery Pack (7.4V, 1850mAh)
- NOAA Weather Channels with Weather Alert
- FM Broadcast Radio Receiver
- Water activated light



HX300

COMPACT FLOATING HANDHELD VHF

► Supplied Accessories:

CAT460 Antenna, SBR-27LI 3.7V 1800mAh Li-Ion Battery Pack, SAD-17 AC Adapter, SDD-14 USB DC Charger with Cigarette Lighter Plug, T9101606 USB Cable, CLIP-22 Belt Clip and Hand Strap

Overall Dimensions:
2.32" × 5.04" × 1.3" (59mm × 128mm × 33mm)

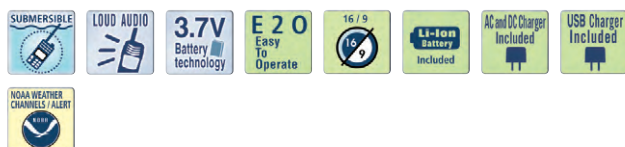
Weight:
8.4oz (240g) (with: SBR-27LI, Belt Clip & Antenna)

IPX8
Submersible
1.5m for 30min



3 Year
WARRANTY

- Floating
- Compact case design: 2.32" × 5.04" × 1.3"
- Selectable 5 and 1 Watt transmit power output
- 600mW Loud Audio Output
- Preset key used to recall up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/9 Quick Access
- Supplied with 3.7V 1800mAh Li-Ion battery
- NOAA Weather Channels with Weather Alert
- Unique USB charging system
- Water activated light



HX150 FLOATING 5-WATT HANDHELD VHF

► Supplied Accessories:

FNB-124LI 7.4V 1030mAh Li-Ion Battery Pack, PA-48 or SAD-18 AC Adapter, CD-57 Charging Cradle and CLIP-24 Belt Clip

HX100 FLOATING 2.5-WATT HANDHELD VHF TWIN-PACK

► Supplied Accessories:

FNB-125 4.8V 700mAh Ni-MH Battery Pack (QTY 2), PA-48 or SAD-18 AC Adapter, CD-56 Twin Charging Cradle (for HX100) and CLIP-24 Belt Clip (QTY 2)

Overall Dimensions:
2.4" × 5.3" × 1.5" (62mm × 135mm × 38.5mm)

Weight:
HX150: 8.3oz (235g) (with: FNB-124LI, Belt Clip & Antenna)
HX100: 8.6oz (245g) (with: FNB-125, Belt Clip & Antenna)

IPX7
Submersible
1m for 30min



3 Year
WARRANTY

- Floating
- Compact case design: 2.4" × 5.3" × 1.5"
- Selectable 5 and 1 Watt transmit power output (HX150)
- Selectable 2.5 and 1 Watt transmit power output (HX100)
- 500mW Loud Audio Output
- Preset key used to recall up to 10 favorite channels
- Easy to Operate Menu System
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)
- CH16/9 Quick Access
- Supplied with battery pack
- NOAA Weather Channels with Weather Alert
- Two HX100 transceivers included (only for HX100)



* HX100: Ni-MH Battery included

	Case / Hanger		Speaker Microphone / Vox Headset / Earpiece Microphone						
Model	SHC-29 Flotation Case	SCH-11 Belt Clip Hanger	SSM-14A Submersible speaker microphone with earphone jack	MH-57A4B Speaker microphone	MH-73A4B Submersible speaker microphone	CMP460 Submersible speaker microphone	SEP-10A Earphone for SSM-14A	SSM-64A Vox Headset	SSM-55A Earpiece/microphone
HX870		•	•	•	•	•	•	•	•
HX40	•	•	•	•	•	•	•	•	•
HX210		•	•	•	•	•	•	•	•
HX300		•	•	•	•	•	•	•	•
HX150									
HX100									

*1 The same as the supplied accessory *2 B for 110VAC / C for 240VAC

Commercial Grade Marine VHF

BUILT BY PROFESSIONALS FOR PROFESSIONALS

ADVANCED FEATURES

- Integrated AIS (Automatic Identification System) Class B Transponder (GX6500 only)
- Capable of connecting two optional wired RAM4 or one wired RAM4 and four wireless RAM4W microphones
- Integrated NMEA 2000 interface supporting all PGNs for Navigation, GPS, AIS and DSC functions
- Integrated Dual Channel AIS Receiver
- 66 Channel External GPS antenna included (GX6500 only)
- GPS Compass, Waypoint and GPS status pages
- Dual Zone 25W PA/Loud Hailer with preprogrammed fog signals and listen back
- Submersible IPX8 (5 feet or 1.5 meters for 30 minutes)
- Integrated 32 Code Voice Scrambler and 4 Code Voice Scrambler

Supplied Accessories:

Hand Microphone, Power Cord, Mounting Bracket and Hardware, External GPS Antenna SCU-31*1, USB Cable

Body color: ● Black



< Optional Accessories >



Wireless Remote Access Microphone (SSM-71H RAM4W)



Wireless Access point (SCU-30)

Fixed Mount VHF Radio

NEW
for 2018

GX6500

GX6000

QUANTUM Class B AIS/GPS

ITU CLASS D

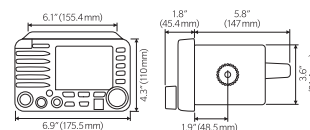
QUANTUM AIS

ITU CLASS D

FIXED MOUNT VHF WITH NMEA 2000 AND INTEGRATED CLASS B AIS TRANSPONDER BUILT-IN *1

- Integrated dual channel AIS (Automatic Identification System) receiver
- Integrated Class B AIS transponder*1
- AIS/AIS SART target display: MMSI, Call Sign, Ship Name, BRG, DST, SOG and COG
- Meets ITU-R M493-13 Class D DSC (Digital Selective Calling)
- NMEA 2000 and NMEA 0183 compatible
- 66 Channel External GPS antenna included*1
- Front panel microphone can be connected to rear panel and extended 20 feet using MEK-4 mic extension kit
- Selectable 4800 or 38400 baud rate for plotters
- GPS Compass, Waypoint and GPS status pages
- Programmable CPA or TCPA collision avoidance alarms
- Dual Zone 25W PA/Loud Hailer with preprogrammed fog signals and listen back
- Submersible IPX8 (5 feet or 1.5 meters for 30 minutes)
- 80dB Commercial grade receiver

*1 GX6500 only



Loud Hailer

VLH-3000A

30W DUAL ZONE LOUD HAILER

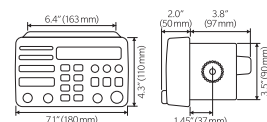
Supplied Accessories: Mounting Bracket, Power Cord and Dust Cover



Body color: ● Black

- PA/Hailer 30W output with Listen Back
- Dual Zone - Forward, Aft or Both
- 6 Preprogrammed Fog Signals: Underway, Stop, Sail, Tow, Anchor and Aground
- Horn and Siren
- Noise cancelling microphone

- Easy push button control
- 2W Loud internal speaker audio Output
- Compatible with optional MLS-300i intercom speaker with IC1 and IC2 Push-to-Alert Button
- Adjustable Backlight



**HX400****IPX8**
Submersible
1.5m for 30min**3 Year**
WARRANTY**COMMERCIAL GRADE VHF WITH LMR CHANNELS**

- Selectable 5 and 1 Watt transmit power output
- Marine VHF with 40 Programmable Land Mobile Channels 134MHz to 174MHz
- 700mW Loud Audio Output
- Supplied with 7.4V 2300mAh Li-Ion battery
- Built-in Noise cancelling microphone
- Voice Scrambler
- Scanning operation and Multi-Watch (Dual Watch and Triple Watch)

Supplied Accessories (HX400/HX400IS):

CAT460 Antenna, FNB-115LI (HX400) 7.4V 2300mAh/SBR-29LIIS (HX400IS) 7.4V 2550mAh Li-Ion Battery Pack, CD-50 Charger Cradle, PA-45 AC Adapter, E-DC-30 DC Cable with Cigarette Lighter Plug (HX400 only), CLIP-22 Belt Clip and Hand Strap

Overall Dimensions (HX400/HX400IS): 2.24" x 5.24" x 1.57" (57mm x 133mm x 40mm)
Weight: 12.3oz (350g) (with: FNB-115LI (HX400)/SBR-29LIIS (HX400IS), Belt Clip & Antenna)

**HX400IS****IPX8**
Submersible
1.5m for 30min**3 Year**
WARRANTY**INTRINSICALLY SAFE**

The same as the HX400 features
(HX400IS Exclusive features)

- Certified Intrinsically Safe
- Supplied with Intrinsically safe 7.4V 2550mAh Li-Ion battery

INTRINSICALLY SAFE INFORMATION:

The HX400IS, SBR-29LIIS Li-Ion battery pack and optional SSM-14A and CMP460 speaker microphones meet the ANSI/UL 913-5th Ed. Requirements for: Class I: Flammable Gases, Vapors, or Liquids Div. 1 Group C (Ethylene) Group D (Propane) Class II: Combustible Dusts Div. 1 Group E (Metals) Group F (Coal) Group G (Grain) Class III: Ignitable Fibers and filings

**HX407****IPX8**
Submersible
1.5m for 30min**3 Year**
WARRANTY**COMMERCIAL GRADE UHF**

- Selectable 5 and 1 Watt transmit power output
- 32 Programmable Marine UHF Channels 406MHz to 470MHz
- 700mW Loud Audio Output
- Supplied with 7.4V 2300mAh Li-Ion battery
- Noise cancelling function for transmit and receive audio
- Voice Scrambler
- Scanning operation and Dual Watch

Supplied Accessories:

SRA-14 Antenna, FNB-115LI 7.4V 2300mAh Li-Ion Battery Pack, CD-50 Charger Cradle, PA-45 AC Adapter, E-DC-30 DC Cable with Cigarette Lighter Plug, CLIP-22 Belt Clip and Hand Strap

Overall Dimensions: 2.24" x 5.24" x 1.57" (57mm x 133mm x 40mm)
Weight: 12.3oz (350g) (with: FNB-115LI, Belt Clip & Antenna)

**HX380****IPX7**
Submersible
1m for 30min**3 Year**
WARRANTY**COMMERCIAL VHF WITH LMR CHANNELS**

- Selectable 5 and 1 Watt transmit power output
- Marine VHF with 40 Programmable Land Mobile Channels 134MHz to 174MHz
- 700mW Loud Audio Output
- Supplied with 7.4V 1600mAh Li-Ion battery
- Scanning operation and Dual Watch

Supplied Accessories:

CAT460 Antenna, FNB-V105LI 7.4V 1600mAh Li-Ion Battery Pack, CD-48 Charger Cradle, SAD-18 or PA-48 AC Adapter, E-DC-19A*2 DC Cable with Cigarette Lighter Plug and CLIP-920 Belt Clip

Overall Dimensions: 2.24" x 5.24" x 1.3" (57mm x 133mm x 33mm)
Weight: 11.3oz (320g) (with: FNB-V105LI, Belt Clip & Antenna)



*2 US version only

Fixed Mount VHF Radio and Loud Hailer Accessories

		Microphone / Cable				Access Point / GPS Antenna		
Model		SSM-70H Remote Access Microphone RAM4	SSM-71H Wireless Remote Access Microphone RAM4W	SDD-14 USB DC Charger with Cigarette Lighter Plug for SSM-71H	CT-100 23ft (7m) extension cable for SSM-70H	MEK-4 Microphone Extension Kit 20ft (6m)	SCU-30 Wireless Access Point for SSM-71H (RAM4W)	SCU-31 External GPS Antenna with 49ft (15m) of Cable
GX6500/GX6000 VLH-3000A								
		Bracket		External Speaker		Hail / PA Speaker		
Model		MMB-84 Flush Mount Bracket	MLS-300 External Speaker	MLS-310 External Speaker with 10W amplifier	MLS-300i Loud Hailer Intercom Speaker (with CALL button)	220SW 4.5" (114mm) Round PA/hailing horn 30W 4 Ohm	240SW 5" x 8" (127mm x 203mm) Rectangular PA/hailing horn 40W 4 Ohm	
GX6500/GX6000 VI H-3000A								

Handheld VHF/UHF Radio Accessories

		Antenna / Adapter			Battery		Battery Charger			
Model		CAT460 VHF Marine Antenna	SRA-14G/H/J*6 UHF Marine Antenna	CN-3 BNC-SMA Adapter	Rechargeable	Alkaline Battery tray	Cradle	AC Adapter	DC Cable (w/ Cigarette Lighter Plug)	SAD-1460 6 Unit Multi Charger
										
HX400	•*5			•	FNB-115LI 2300mAh Li-Ion*5	FBA-42 (6 x AA)	CD-50*5	PA-45B/C*5,7	E-DC-30*5	•
HX400IS*4	•*5			•	SBR-29LIIS*4		CD-50*5	PA-45B/C*5,7	E-DC-30	•
HX407			•*5	•	Intrinsically Safe 2550mAh Li-Ion*5					
HX380	•*5			•	FNB-115LI 2300mAh Li-Ion*5	FBA-40 (6 x AA)	CD-50*5	PA-45B/C*5,7	E-DC-30*5	•
					FNB-105LI 1600mAh Li-Ion*5	FBA-40 (6 x AA)	CD-48*5	SAD-18B/PA-48C*5,7	E-DC-19A	
		Speaker Microphone / Vox Headset / Earpiece Microphone					Belt clip / Hanger		Case	
Model		SSM-14A Submersible speaker microphone with earphone jack*4	CMP460 Submersible speaker microphone*4	MH-57A4B Speaker microphone	MH-73A4B Submersible speaker microphone	SEP-10A Earphone for SSM-14A	SSM-64A Vox Headset	SSM-55A Earpiece/microphone	SCH-11 Belt Clip Hanger	Leather Case and Nylon Case SHC-18: Leather Case w/ belt loop and shoulder strap SHC-19: Leather Case w/ swivel SHC-20: Nylon Case
										
HX400	•		•	•	•	•			CLIP-22*5	•
HX400IS*4	•		•						CLIP-22*5	
HX407	•		•	•	•	•			CLIP-22*5	•
HX380	•		•	•	•	•			CLIP-920*5	•

*3 The same as the supplied accessory for GX6500 *4 Intrinsically Safe Version *5 The same as the supplied accessory *6 G for 400 - 430MHz / H for 420 - 450MHz / J for 440 - 470MHz *7 B for 110VAC / C for 240VAC
Standard Horizon reserves the right to make changes and enhancements to products at our discretion. Current specifications are therefore subject to change without notice.

FIXED MOUNT VHF AND LOUD HAILER SPECIFICATIONS

Fixed Mount VHF Radios

MODEL	GX6500/GX6000	GX2200/GX2000	GX1700/GX1600	GX1300
GENERAL				
Frequency Range	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz
Input Voltage	13.8 VDC ±20 %	13.8 VDC ±20 %	13.8 VDC ±20 %	13.8 VDC ±20 %
Current Drain	Standby: 0.55 A Receiver: 0.9 A Transmit: 5.0 A (Hi), 1.0 A (Lo)	Standby: 0.55 A / 0.45 A Receiver: 0.9 A / 0.8 A Transmit: 5.0 A (Hi), 1.0 A (Lo)	Standby: 0.45 A Receiver: 0.8 A Transmit: 5.0 A (Hi), 1.0 A (Lo)	Standby: 0.3 A Receiver: 1.0 A Transmit: 5.5 A (Hi), 1.5 A (Lo)
Overall Dimensions	6.9"W × 4.3"H × 6.8"D (175.5W × 110H × 173.3D mm)	7.1"W × 3.1"H × 6.3"D (180W × 80H × 160D mm)	5.9"W × 3.4"H × 3.5"D (150W × 85H × 90D mm)	6.10"W × 2.36"H × 5.91"D (155W × 60H × 150D mm)
Flush-Mount Dimensions	6.2"W × 3.7"H × 6.2"D (158W × 94H × 158D mm)	6.3"W × 2.6"H × 5.9"D (161W × 65H × 150D mm)	5.4"W × 2.8"H × 3.5"D (137W × 72H × 90D mm)	5.15"W × 2.0"H × 5.51"D (131W × 51H × 140D mm)
Weight	3.7 lbs (1.66 kg)	3.2 / 3.1 lbs (1.45 / 1.4 kg)	2.0 lbs (0.9 kg)	1.91 lbs (870 g)
PA/FOG Power Output	25 W with listen back	30 W with listen back /30 W no listen back	-	-
TRANSMITTER				
RF Output	25 W (Hi), 1 W (Lo)	25 W (Hi), 1 W (Lo)	25 W (Hi), 1 W (Lo)	25 W (Hi), 1 W (Lo)
Conducted Spurious Emissions	Less than -80 dBc (Hi), -66 dBc (Lo)	Less than -80 dBc (Hi), -66 dBc (Lo)	Less than -80 dBc (Hi), -66 dBc (Lo)	Less than -80 dBc (Hi), -66 dBc (Lo)
Frequency Stability	±3 ppm (-4° F to +140° F)	±3 ppm (-4° F to +140° F)	±3 ppm (-4° F to +140° F)	±3 ppm (-4° F to +122° F)
FM Hum and Noise	50 dB	50 dB	50 dB	50 dB
RECEIVER (for Voice and DSC)				
Sensitivity (12 dB SINAD)	0.30 µV	0.30 µV	0.25 µV	0.25 µV
Spurious and Image Rejection	80 dB for Voice (75 dB for DSC / 70 dB for AIS)	80 dB for Voice (75 dB for DSC)	80 dB for Voice (75 dB for DSC)	75 dB
Intermodulation and Rejection	80 dB for Voice (75 dB for DSC / 70 dB for AIS)	80 dB for Voice (75 dB for DSC)	70 dB for Voice (70 dB for DSC)	70 dB for Voice (70 dB for DSC)
Audio Output	10 W	4.5 W	4.5 W	4.5 W
DSC Format	Class D ITU-R M.493-13	Class D ITU-R M.493-13	Class D ITU-R M.493-13	Class D ITU-R M.493-13
TRANSMITTER (for AIS)				
	161.975 MHz (AIS CH A)*1 162.025 MHz (AIS CH B)*1	-	-	-
RECEIVER (for AIS)				
Sensitivity	0.5 µV*1	0.5 µV*2	-	-
Selectivity	Spurious and Image Rejection 70 dB*1 Intermodulation and Rejection 70 dB*1	Spurious and Image Rejection 70 dB*2 Intermodulation and Rejection 70 dB*2	-	-
NMEA Input/Output				
NMEA 2000	Compatible	-	-	-
NMEA 0183	Input: GLL, GGA, GNS, RMC, GSA*1 and GSV*1 (4800 or 38400*1 bps) Output: DSC, DSE, GGA, GLL, GNS, RMC, GSA and GSV (4800 or 38400 bps), VDM and VDO (38400 bps)	Input: GLL, GGA, GNS, RMC, GSA*2 and GSV*2 (4800 or 38400*2 bps) Output: DSC, DSE (4800 or 38400*2 bps)	Input: GSA, GSV, GGA, GLL, GNS and RMC Output: DSC and DSE	Input: GSA, GSV, GGA, GLL, GNS and RMC Output: DSC and DSE
NMEA 0183-HS	Output: VDM and VDO (38400 bps)	Output: VDM (38400 bps)	-	-

*1 GX6500 only *2 GX2200 only

Loud Hailer

MODEL	VLH-3000A
GENERAL	
Input Voltage	13.8 VDC ±20 %
PA Horn Output	30W : 2ch (at 4 ohm 10 % distortion)
Intercom Output	4W : 2ch (at 4 ohm 10 % distortion)
Listen-Back Input Level	2 mV
AF Output	
EXT SPK Output	4 W (at 4 ohm 10 % distortion)
INT SPK Output	2 W (at 8 ohm 10 % distortion)
Mic sensitivity	10 mV
Drain current	7 A (MAX) when Forward and Aft Horns are used.
Idle current	300mA
Operating temperature	-4° F to +131° F
Storage temperature	-22° F to +158° F
Water integrity performance	IPX7 (3 ft for 30 min) for the front panel
Overall Dimensions	7.1"W × 4.3"H × 5.5"D (180W × 110H × 140D mm)
Flush mount dimensions	6.5"W × 3.6"H × 4.5"D (165W × 92H × 115D mm)
Weight	2.97 lbs (1.35 kg)

MODEL	GX6500/GX2200/GX1700 GPS Specifications
Channels	66 channels
Sensitivity	Less than -147 dBm
Time to First Fix	1 min typical (@Cold Start) 5 sec typical (@Warm Start)
Geodetic Datum	WGS84
SBAS Correction	WAAS, MSAS and EGNOS

HANDHELD VHF SPECIFICATIONS

MODEL	HX870	HX40	HX210	HX300	HX150/HX100	HX400/HX400IS	HX407	HX380
GENERAL								
Frequency Range	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band 156.025 - 163.275 MHz	Marine Band: 156.025 - 163.275 MHz LMR Band: 134 - 174 MHz	UHF Band 406.100 - 470.000 MHz	Marine Band: 156.025 - 163.275 MHz LMR Band: 134 - 174 MHz
Battery type / Capacity	Li-Ion 1800 mAh	Lithium Polymer 1850 mAh (Built-in)	Lithium Polymer 1850 mAh (Built-in)	Li-Ion 1560 mAh	Li-Ion 1030 mAh / Ni-MH 700 mAh	Li-Ion 2300 mAh / Li-Ion 2550 mAh	Li-Ion 2300 mAh	Li-Ion 1600 mAh
Input Voltage	7.4 VDC	7.4 VDC	7.4 VDC	3.7 VDC	7.4 VDC / 4.8 VDC	7.4 VDC	7.4 VDC	7.4 VDC
Current Drain	Standby: 100 mA (GPS On) / 50 mA (GPS Off) Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2 W / 1 W)	Standby: 100 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2.5 W / 1 W)	Standby: 60 mA Receive: 330 mA (MAX AF Output) Transmit: 1.6 A / 1.0 A / 0.7 A (6 W / 2.5 W / 1 W)	Standby: 20 mA Receive: 330 mA (MAX AF Output) Transmit: 2.3 A / 0.9 A (5 W / 1 W)	Standby: 15 mA Receive: 300 mA (MAX AF Output) Transmit: HX150: 1.5 A / 0.7 A (S/W / 1 W) HX100: 1.1 A / 0.8 A (2.5 W / 1 W)	Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W)	Standby: 70 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W)	Standby: 50 mA Receive: 320 mA (MAX AF Output) Transmit: 1.6 A / 0.8 A (5 W / 1 W)
Overall Dimensions	2.44"W × 5.43"H × 1.69"D (62W × 138H × 43D mm)	2.05"W × 3.74"H × 1.3"D (52W × 95H × 33D mm)	2.36"W × 5.20"H × 1.57"D (60W × 132H × 40D mm)	2.32"W × 5.04"H × 1.3"D (59W × 128H × 33D mm)	2.4"W × 5.3"H × 1.5"D (62W × 135H × 38.5D mm)	2.24"W × 5.24"H × 1.57"D (57W × 133H × 40D mm)	2.24"W × 5.24"H × 1.57"D (57W × 133H × 40D mm)	2.24"W × 5.24"H × 1.3"D (57W × 133H × 33D mm)
Weight	11.36 oz (322 g) (w/SBR-13LI, Hand Strap, Belt Clip & Antenna)	8.1 oz (230 g) (w/ Hand Strap, Belt Clip & Antenna)	9.88 oz (280 g) (w/ Hand Strap, Belt Clip & Antenna)	8.4 oz (240 g) (w/SBR-27LI, Belt Clip & Antenna)	12.3 oz (350 g) (w/FNB-124LI, Belt Clip & Antenna)	12.3 oz (350 g) (w/FNB-115LI / SBR-29LIIS, Belt Clip & Antenna)	12.3 oz (350 g) (w/FNB-115LI, Belt Clip & Antenna)	11.3 oz (320 g) (w/FNB-V105LI, Belt Clip & Antenna)
TRANSMITTER								
RF Output	6 W / 2 W / 1 W (@7.4 V)	6 W / 2.5 W / 1 W (@7.4 V)	6 W / 2.5 W / 1 W (@7.4 V)	5 W / 1 W (@3.7 V)	HX150: 5 W / 1 W (@7.4 V) HX100: 2.5 W / 1 W (@4.8 V)	5 W / 1 W (@7.4 V)	5 W / 1 W (@7.4 V)	5 W / 1 W (@7.4 V)
Conducted Spurious Emissions	-75 dBc Typical	Less than 0.25 µW	Less than 0.25 µW	-75 dBc Typical	-75 dBc Typical	-75 dBc Typical	-75 dBc Typical	At least 36 dBm below
Frequency Stability	±3 ppm (-4° F to +140° F)	±3 ppm (-4° F to +140° F)	±3 ppm (-4° F to +140° F)	±5 ppm (-4° F to +140° F)	±5 ppm (-4° F to +140° F)	±2.5 ppm (-22° F to +140° F)	±2 ppm (-22° F to +140° F)	±2.5 ppm (-22° F to +140° F)
FM Hum and Noise	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB
RECEIVER								
Sensitivity (12 dB SINAD)	0.25 µV	0.25 µV	0.25 µV	0.25 µV	0.3 µV	0.25 µV	0.25 µV	0.25 µV
Selectivity	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	25 kHz (-70 dB)	25 kHz (-65 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)	12 kHz / 25 kHz (-6 dB / -60 dB)
Audio Output	700 mW	600 mW	600 mW	600 mW	500 mW	700 mW	700 mW	700 mW
DSC Format	Class D ITU-R M.493-13	-	-	-	-	-	-	-
NMEA 0183 In/Out	Input/Output: DSC, DSE, GGA, GLL, RMC, GSA and GSV	-	-	-	-	-	-	-
GPS								
Channels	66 channels	-	-	-	-	-	-	-
Sensitivity	Less than -147 dBm	-	-	-	-	-	-	-
Time to First Fix	1 min Typical (@Cold Start) 5 sec Typical (@Warm Start)	-	-	-	-	-	-	-
Geodetic Datum	WGS84	-	-	-	-	-	-	-
SBAS Correction	WAAS, MSAS and EGNOS	-	-	-	-	-	-	-

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

STANDARD HORIZON

YAESU USA

6125 Phyllis Drive, Cypress, CA 90630

Phone: (800)767-2450

Fax: (800)552-6813

WWW.STANDARDHORIZON.COM

2017.1212YN (USA) B9200831 Printed in Japan



"Standard Horizon makes every effort to keep our oceans blue.
This catalog was produced with the environment in mind please recycle."