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

Icon Function List
Radio Specifications ▶

Usability ▶
E 2 O Easy Operate

Features ▶
CLASS D
DSC DISTRESS and POS Polling
GM Group Monitor
GPS COMPASS
WAYPOINT NAV

Connectivity ▶
SECOND SYSTEM
MARINER OVERDIAL
FM RADIO RECEIVER

3 Year Warranty
IPX7 Submersible 1m for 30min
3 Year Warranty
**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
- AIS (Automatic Identification System) receiver or transponder connection
- AIS target display: MM3, Call Sign, Ship Name, BKG, DS1, 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) Alarms*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*  
*IPX8 Submersible 1.5m for 30min*  
*3 Year Warranty*  
*Available in Black and White*

- 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
- Automatically poll the GPS position of up to 4 vehicles 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

---

**GX1300**

**ECLIPSE** **ITU Class D**

**Fixed Mount Class D DSC VHF**

- Supplied Accessories:
  - Power Cord and Mounting Bracket

*Body color: Black*  
*IPX8 Submersible 1.5m for 30min*  
*3 Year Warranty*  
*Available in Black and White*

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Microphone/Cable</th>
<th>External GPS Antenna</th>
<th>Encryption</th>
<th>Cover</th>
<th>External Speaker</th>
<th>Half/PA Speaker</th>
<th>Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GX2000</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GX1600</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GX1300</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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)
- 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

**HX870**
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-Search (Dual Watch and Tri-Watch)
- CH16/5 Quick Access (5 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 Scan Selection
- Automatically poll the GPS positions of vessels using DSC
- 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

**Handheld VHF Radio Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>CAT460 Marine Antenna</th>
<th>CN-3 BNC-2MA Adapter</th>
<th>Rechargeable Alkaline Battery Tray</th>
<th>Cradle</th>
<th>AC Adapter</th>
<th>DC Cable</th>
<th>Battery Charger</th>
<th>Belt-clip</th>
</tr>
</thead>
<tbody>
<tr>
<td>HX870</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>

Overall Dimensions: 2.44” x 5.43” x 1.69” (62mm x 138mm x 43mm), Weight: 11.36oz (326g) (with: CAT460, Hand Strap, Belt Clip & Antenna)

3 Year Warranty
**NEW for 2018**

**HX40**

**ULTRA COMPACT HANDHELD VHF**

- Supplied Accessories:
  - CAT640 Antenna, SBH-27 Charger Cradle, SAD-23
  - AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, SBH-19 Belt Clip and Hand Strap

- Overall Dimensions: 2.05" x 3.74" x 1.3" (52mm x 95mm x 33mm)
- Weight: 8.1oz (229g) (with: Hand Strap, Belt Clip & Antenna)

- Floating (When fitted into optional flotation case)
- Ultra compact design: 2.05" x 3.74" x 1.3"*
- 6W transmit power output (Select/able 6/2.5/IW)
- 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 (5: 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:
  - CAT640 Antenna, SBH-27 Charger Cradle, SAD-23
  - AC Adapter, E-DC-19A DC Cable with Cigarette Lighter Plug, SBH-19 Belt Clip and Hand Strap

- Overall Dimensions: 2.36" x 5.20" x 1.57" (60mm x 132mm x 40mm)
- Weight: 9.88oz (280g) (with: Hand Strap, Belt Clip & Antenna)

- Floating
- Compact case design: 2.36" x 5.20" x 1.57"*
- 6W transmit power output (Select/able 6/2.5/IW)
- 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 (5: 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:
  - CAT640 Antenna, SBH-27/UH 7.2V 1800mAh Li-Ion Battery Pack, SAD-17 AC Adapter, SD5-14 USB-DC Charger with Cigarette Lighter Plug, T916/WC50 USB Cable, CUSP-02 Belt Clip and Hand Strap

- Overall Dimensions: 2.32" x 5.04" x 1.3" (59mm x 128mm x 33mm)
- Weight: 8.4oz (240g) (with: SBH-27/UH, Belt Clip & Antenna)

- Floating
- Compact case design: 2.32" x 5.04" x 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 charging system
- Water activated light

**HX150**

**FLOATING 5-WATT HANDHELD VHF**

- Supplied Accessories:
  - FNB-124/U 17.4V 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 (QTY2), PA-48 or SAD-18 AC Adapter, CD-56 Twin Charging Cradle (for HX100) and CLIP-24 Belt Clip (QTY2)

- Floating
- Compact case design: 2.4" x 5.3" x 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)

---

**Case / Accessory**

- **SHC-29** Portable Case
- **SCH-11** Belt Clip Hanger
- **SSM-14A** Submersible microphone with earphone jack
- **MH-57A4B** Submersible microphone
- **MH-73A4B** Submersible microphone
- **CMP460** Earpiece for SSM-14A
- **SEP-10A** Earphone for SSM-14A
- **SSM-64A** Earphone/microphone
- **SSM-55A** Earpiece/microphone

---

*1 The same as the supplied accessory  
*2 For HX40AC/HC for HX210AC
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*, USB Cable

Body color: ● Black

Fixed Mount VHF Radio
GX6500 QUANTUM Class B AIS/GPS ITU Class D
GX6000 QUANTUM AIS ITU Class D

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

- Integrated dual channel AIS (Automatic Identification System) receiver
- Integrated Class B AIS transponder
- 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

Body color: ● Black

Loud Hailer
VLH-3000A

Supplied Accessories: Mounting Bracket, Power Cord and Dust Cover

- 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

Body color: ● Black

- 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
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/HX400ES):
- CAT460 Antenna, FNB-115/400(HX400) 7.4V 2300mAh; SBR-25/6IS (HX400) 7.4V 2550mAh Li-Ion Battery Pack, CD-50 Charger Cradle, PA-4S AC Adapter, E-DC30 DC Cable with Cigarette Lighter Plug (HX400), CLIP-22 Belt Clip and Hand Strap

Overall Dimensions: (HX400/HX400ES): 2.24" x 5.24" x 1.57" (57mm x 133mm x 40mm)
Weight: 12.3oz (345g) (with: FNB-115S1/HX400/HX400ES, Belt Clip & Antenna)

HX407
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-115L7.4V 2300mAh Li-Ion Battery Pack, CD-50 Charger Cradle, PA-4S AC Adapter, E-DC30 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 (345g) (with: FNB-115S1, Belt Clip & Antenna)

HX380
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-115U7.4V 1600mAh Li-Ion Battery Pack, CD-48 Charger Cradle, SAD-18 or PA-48 AC Adaptor, E-DC18-A2 DC Cable with Cigarette Lighter Plug and CLIP-920 Belt Clip

Overall Dimensions: 2.24" x 5.24" x 1.37" (57mm x 133mm x 33mm)
Weight: 11.2oz (320g) (with: FNB-115U, Belt Clip & Antenna)

HX300IS
INTRINSICALLY SAFE
- The same as the HX400 features (HX400IS exclusive features)
- Certified Intrinsically Safe
- Supplied with Intrinsically safe 7.4V 2550mAh Li-Ion battery

INTERRINSICALLY SAFE INFORMATION:
The HX400IS, IPX8-1.5m Submersible battery pack and optional SSM-14A and CMP460 speaker microphone meet the ATEX, IECEx and UL2000 standards.

Overall Dimensions: 2.24" x 5.24" x 1.57" (57mm x 133mm x 40mm)
Weight: 12.3oz (345g) (with: FNB-115S1/HX400/HX400ES, Belt Clip & Antenna)

Fixed Mount VHF Radio and Loud Hailer Accessories
<table>
<thead>
<tr>
<th>Microphone / Cable</th>
<th>Access Point / GPS Antenna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Bracket / External Speaker / External Speaker</td>
</tr>
<tr>
<td>SSM-70H</td>
<td>MMB-84 (Wall Mount Bracket) / MBS-300 (External Speaker)</td>
</tr>
<tr>
<td>SSM-71H</td>
<td>MLS-100 (External Speaker) / MLS-310 (External Speaker with 10W amplifier)</td>
</tr>
<tr>
<td>SSM-71H</td>
<td>MLS-300i (Loud hailer Intercom Speaker with CALL button)</td>
</tr>
<tr>
<td>SSM-71H</td>
<td>2205W (4.5&quot; x 11mm) Round PA/ Paging horn / 400W x 4 Ohm</td>
</tr>
<tr>
<td>SSM-71H</td>
<td>2405W (5&quot; x 8&quot; 12V-24V 300W x 4 Ohm) Rectangle PA/ Paging horn / 400W x 4 Ohm</td>
</tr>
</tbody>
</table>

Handheld VHF/UHF Radio Accessories
<table>
<thead>
<tr>
<th>Interface Adapter</th>
<th>Battery</th>
<th>Battery Charger</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Rechargeable / Alkaline Battery tray</td>
<td>Cradle / AC Adapter / DC Cable / Belt Clip / Leather Case and Nylon Case</td>
<td></td>
</tr>
<tr>
<td>CAT460</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>SRA-140/H/J</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>CN-3</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>SSM-14A</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>CMP460</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>MH-704B</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>MH-734B</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>SEP-10A</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>SSM-55A</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
<tr>
<td>SSM-64A</td>
<td></td>
<td></td>
<td>2&gt;1/4&quot; Leather Case / Nylor Band and leather strap Stack / Leather Case Stack / Nylon Case</td>
</tr>
</tbody>
</table>

* The same as the supplied accessory for G61000 *4.5" Reel Version * The same as the supplied accessory * 6G for 460-490MHz / H for 405-435MHz / I for 460-470MHz * 7G for 110VAC / C for 340VAC

Standard Horizon reserves the right to make changes and enhancements to products at their discretion. Current model numbers are therefore subject to change without notice.
### Fixed Mount VHF Radios Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>GXS5000/GX6000</th>
<th>GXX2000/GX2000</th>
<th>GX7100/GX1600</th>
<th>GX1300</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>Marine Band 156.025 - 162.75 MHz</td>
<td>Marine Band 156.025 - 162.75 MHz</td>
<td>Marine Band 156.025 - 162.75 MHz</td>
<td>Marine Band 156.025 - 162.75 MHz</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>13.8 VDC ± 10%</td>
<td>13.8 VDC ± 10%</td>
<td>13.8 VDC ± 10%</td>
<td>13.8 VDC ± 10%</td>
</tr>
<tr>
<td>Current Drain</td>
<td>Standby: 0.5 A</td>
<td>Standby: 0.5 A/0.45 A</td>
<td>Receive: 0.5 A</td>
<td>Receive: 0.5 A</td>
</tr>
<tr>
<td></td>
<td>Transmit: 5.0 A, 10 A (c)</td>
<td>Transmit: 5.0 A, 10 A (c)</td>
<td>Transmit: 5.0 A, 10 A (c)</td>
<td>Transmit: 5.5 A (c), 15 A (c)</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>192.5 W x 91.5 H x 67 D (mm)</td>
<td>192.5 W x 91.5 H x 67 D (mm)</td>
<td>192.5 W x 91.5 H x 67 D (mm)</td>
<td>192.5 W x 91.5 H x 67 D (mm)</td>
</tr>
<tr>
<td>Height</td>
<td>20.5 W x 120.5 H x 113.5 D (mm)</td>
<td>20.5 W x 120.5 H x 113.5 D (mm)</td>
<td>20.5 W x 120.5 H x 113.5 D (mm)</td>
<td>20.5 W x 120.5 H x 113.5 D (mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>3.0 lbs (1.36 kg)</td>
<td>3.0 lbs (1.36 kg)</td>
<td>3.0 lbs (1.36 kg)</td>
<td>3.0 lbs (1.36 kg)</td>
</tr>
<tr>
<td>RF Power Out</td>
<td>15 W with external</td>
<td>15 W with external</td>
<td>15 W with external</td>
<td>15 W with external</td>
</tr>
</tbody>
</table>

### Loud Hailer Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>VH3-3000A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
</tr>
<tr>
<td>Input Voltage</td>
<td>13.8 VDC ± 10%</td>
</tr>
<tr>
<td>Rh Horn Output</td>
<td>30 W, 250 W (10% distortion)</td>
</tr>
<tr>
<td>Intercom Output</td>
<td>4 W, 250 W (10% distortion)</td>
</tr>
<tr>
<td>Listen-Back Input Level</td>
<td>2 W</td>
</tr>
<tr>
<td>AF Input</td>
<td>2 W</td>
</tr>
<tr>
<td>INT SPK Output</td>
<td>2 W</td>
</tr>
<tr>
<td>Mic sensitivity</td>
<td>95 mV</td>
</tr>
<tr>
<td>Drain current</td>
<td>7.8 (MAX) when Forward and Horn horns are used.</td>
</tr>
<tr>
<td>Idle current</td>
<td>300mA</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-4°F to 113°F</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-22°F to 113°F</td>
</tr>
<tr>
<td>Water resistance</td>
<td>N4X 3 (for 30 min)</td>
</tr>
<tr>
<td>Performance</td>
<td>N4X 3 (for front panel)</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>7.1 W x 4.5 H x 4.5 D (mm)</td>
</tr>
<tr>
<td>Flash mount dimensions</td>
<td>6.5 W x 3.6 H x 0.5 D (mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>2.97 lbs (1.35 kg)</td>
</tr>
</tbody>
</table>

### HANDHELD VHF SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>HX700</th>
<th>HX400</th>
<th>HX210</th>
<th>HX100</th>
<th>HX150/HX100</th>
<th>HX600/HX6000</th>
<th>HX467</th>
<th>HX380</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
<td>156.025 - 163.375 MHz</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
<td>Lithium-Ion</td>
</tr>
<tr>
<td>Battery Capacity</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
<td>2600 mAh</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
<td>7.2 VDC</td>
</tr>
<tr>
<td>Current Drain</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
<td>Standby: 60 mA, 10 A/10 W</td>
</tr>
<tr>
<td>Overall Dimensions</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
<td>2.42 W x 1.78 H x 0.63 D (mm) 60 W x 135 H x 30 D (mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
<td>11.36 oz (323 g)</td>
</tr>
<tr>
<td>TRANSMITTER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
<td>5 W/1 W (74.7 V)</td>
</tr>
<tr>
<td>Conducted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suspected Connections</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FM Hum and Noise</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
<td>3.3 cm (1.3&quot;&quot;)</td>
</tr>
<tr>
<td>GPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channels</td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>66</td>
<td>66</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
<td>Less than or equal to 47 dbm</td>
</tr>
<tr>
<td>Time to First Fix</td>
<td>1 min typical (Cold Start)</td>
<td>1 min typical (Warm Start)</td>
<td>1 min typical (Cold Start)</td>
<td>1 min typical (Warm Start)</td>
<td>1 min typical (Cold Start)</td>
<td>1 min typical (Warm Start)</td>
<td>1 min typical (Cold Start)</td>
<td>1 min typical (Warm Start)</td>
</tr>
<tr>
<td>Geodetic Datum</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
<td>WGS84</td>
</tr>
<tr>
<td>SBAS Correction</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
<td>WAAS, MSAS and EGNS</td>
</tr>
</tbody>
</table>

---

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