### STANDARD HORIZON

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### FELLECS TECH

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www.fellecs-tech.com inbox@fellecs-tech.com

FIXED MOUNT MARINE VHF WITH NMEA2000 COMPATIBLE

**GX1850GPS** 





**GX1850** 



NMEA2000 | ITU CLASS D

NMEA2000

ITU CLASS D

**FIXED MOUNT MARINE VHF** 

GX1800GPS 66 da GFS



**GX1800** 

GPS | ITUCLASS D

ITU CLASS D

# **Proven Performance New EXPLORER Series**



Available in Black or White\*



Integrated 66 Channel Internal GPS receiver (GX1850GPS/GX1800GPS)



**NMEA2000 Compatible** (GX1850GPS/GX1850)



**Second Station Remote** Microphone (Optional RAM4 SSM-70H)



Submersible IPX8 (5ft/1.5m for 30 minutes)

Ultra-slim & Compact Rear Case

Ultra-slim and compact Rear case design D = 3.3" (82mm)



E20 (Easy to Operate) Icon & Menu System



Meets ITU-R M.493-13 Class D DSC (Digital Selective Calling)
\*European version: Meets ITU-R M.493-14



Separate Receiver for CH70 (Receiving DSC Calls)



**GM (Group Monitor)** Using DSC Group position Calling

Waypoint Nav & Compass

**GPS Compass, Waypoint** and GPS status pages

Intercom

Intercom Feature between **Radio and Second Station** (Optional RAM4 SSM-70H)

Night Mode

Selectable **Night Mode Display** 

#### **FIXED MOUNT MARINE VHF WITH NMEA2000 COMPATIBLE**

# GX1850GPS GX1850

GPS NMEA2000 TUCLASSO NMEA2000 TUCLASSO

**FIXED MOUNT MARINE VHF** 

# GX1800GPS GX1800

GPS TUCLASSO

US, Asia and Australia						
Model	GX1850GPS	GX1850	GX1800GPS	GX1800		
Body Color	Black/White	Black/White	Black/White	Black/White		
GPS	•	-	•	-		
NMEA2000	•	•	-	-		

	Europe	
Model	GX1850GPS/E	GX1800GPS/E
Body Color	Black	Black
GPS	•	•
NMEA2000	•	-

#### **FEATURES**

#### NMEA2000 Compatibility (GX1850GPS / GX1850)

GX1800 Series incorporates the NMEA2000 interface. The integrated NMEA2000 supports all PGN Navigation, GPS and DSC functions. Simply connect the transceiver to the NMEA2000 network to complement your system with full radio operation and DSC features.

#### **Built-in Integrated 66 channel GPS Receiver** (GX1850GPS / GX1800GPS)

With the internal high-performance 66 channel GPS receiver, SBAS satellites (WAAS/EGNOS/MSAS/ GAGAN) can be received. The GPS data is available for DSC calling, position sharing, waypoint navigation, and navigation to DSC distress calls, all performed with a few simple steps.

#### Oversized Full-dot Matrix Display & E2O (Easy to Operate) Icon / Menu System

The large  $2.6"W \times 1.4"H (66.0 \times 36.0mm)$ , high resolution full-dot matrix display with wide digits and bold information flags affords great visibility in diverse conditions. The GX1800 Series advanced features "E2O MENU" screen may be displayed by pressing the MENU key on the front panel.

#### Selectable Display Mode (Night Mode Display)

The display is selectable between DAY mode and NIGHT mode. In the NIGHT mode the display black and white dots are inverted for better night time visibility.

#### Optional RAM4 microphone for Second **Station Capability**

The optional RAM4 remote microphone is capable of controlling most of the radio functions including DSC, therefore it may be used as a second station and an intercom. The RAM4 can be located up to 23 feet (7m)\* away from the transceiver, such as in a separate cabin.

#### GM (Group Monitor) using DSC Group position Call

The GM (Group Monitor) feature of the GX1800 Series utilizes the DSC (Digital Selective Calling), Group calling and Auto Position Polling, to display the group member locations. Navigation to a specific group member may be facilitated using the GM function. The GX1800 Series GM feature can store up to 10 groups with 1 to 9 members each.

#### MOB (Man over Board) Operation

The GX1800 Series MOB feature can instantly record the Man Over-Board GPS location. This position information may be reported and utilized for navigation to the exact location.

#### **BUSY LED Indicator**

The BUSY LED Indicator glows clearly green when a signal is received and shows the receive mode and status at a glance.

#### Other Valuable Features

- · NMEA Input and Output of GPS information to other NMEA compatible devices
- NMEA 0183 Connectivity
- DSC test call and Auto DSC channel change selection
- · Automatic DSC polling of up to 6 ships GPS positions
- · Enter, Save, and Navigate to a waypoint using the Compass page\*2
- Navigation (LAT/LON, SOG, and COG) information shown on display\*2
- Preset key stores up to 10 favorite channels, with scan function
- Programmable soft keys
- · Programmable Scan, Priority Scan, and Multi Watch
- Noise cancelling microphone with channel change selection, 16/S and H/L keys
- NOAA Weather Alert function\*3
- ATIS Mode for European Inland Waterways (GX1850GPS/E, GX1800GPS/E)

#### **SPECIFICATIONS**

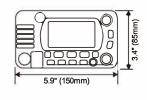
General			
Channels	All International, USA and Canadian		
	(Depending on the version)		
Channel Spacing	25kHz		
Frequency Stability	±3ppm -4°F to +140°F (-20°C to +60°C)		
Emission Type	16K0G3E, 16K0G2B		
Antenna Impedance	50 Ohms		
Supply Voltage	13.8VDC ± 20%		
Current Consumption	0.8A (Receive), 0.45A (Standby) TX: 5.0A / 1.0A (TX: 25W / 1W)		
Operating Temperature	-4°F to +140°F(-20°C to +60°C)		
Waterproof rating	IPX8 (5ft/1.5m for 30 minutes)		
Dimensions (W×H×D)	5.9"×3.4"×3.3" (150×85×82mm)		
Flush Mount Dimensions (W×H×D)	5.43"×2.87"×3.74" (138×73×95mm)		
Weight (Approx.)	2.1 lbs (940g)		
Transmitter			
	Marine Band		
	156.025MHz – 157.425MHz (USA)		
Frequency Range (MHz)	156.025MHz – 161.600MHz		
	(International)		
RF Output Power	25W / 1W		
Maximum Deviation	±5.0kHz		
Spurious Emission	-80dBc / -66dBc (TX: 25W / 1W)		
Receiver			
	Marine Band		
Frequency Range (MHz)	156.050MHz – 163.275MHz		
Circuit Type	Double-Conversion Superheterodyne		
Sensitivity (12dB SINAD)	0.25uV		
Spurious and			
Image Rejection	75dB for Voice (75dB for DSC)		
Intermodulation	75dB for Voice (70dB for DSC)		
AF Output	4.5W		
GPS*1	4.500		
Receiver Channels	66 Channels		
Sensitivity	Less than – 147dBm		
Ochanivity	1 min typical (@Cold Start)		
Time to First Fix			
Geodetic Datum	5 sec typical (@Hot Start) WGS84		
SBAS Correction	WAAS, EGNOS, MSAS and GAGAN		

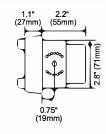
#### **OPTIONAL ACCESSORIES SCU-31** Microphone RAM4 Remote Access External GPS Antenna with 49ft (15m) of Cable \*Built-in GPS Receiver 23ft (7m) Extension Cable for SSM-70H (RAM4) External Speaker ailable in Black or White **SCU-38** External GPS Antenna with 16ft (5m) of Cable \*for GX1850GPS and GX1800GPS Dust Cover (White) Flush Mount Bracket

#### **SUPPLIED ACCESSORIES**

Power Cord

Mounting Bracket





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#### - YAESU MUSEN CO., LTD. -

Tennozu Parkside Building 2-5-8 Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002 Japan

#### - YAESU USA

US Headquarters 6125 Phyllis Drive, Cypress, CA 90630, U.S.A.

### YAESU UK-

Unit 12, Sun Valley Business Park, Winnall Close Winchester, Hampshire, SO230LB, U.K.

<sup>\*1</sup>Optional CT-100 extension cable required

<sup>\*2</sup>Only available when GX1850/GX1800 is receiving GPS data input from an external GPS device.

<sup>\*3</sup>Only available in NOAA service areas