

- **ITU Class-D DSC Transceiver**
- Meets Transport Canada requirements for vessels engaged on foreign or home-trade voyages
- Independent Channel 70 receiver built-in for continuous DSC watching
- Oversized alphanumeric LCD
- Huge internal speaker produces louder and clear audio
- Display shows channel names, and repeats GPS information*
- DSC Position Request Function and NMEA Data Input/Output to connect the GPS plotter*
- Capable of connecting 2 optional enhanced RAM+ second station remote microphones
- 3 station intercom when enhanced RAM+ microphones connected
- Versatile User-Programmable Scanning, Priority Scan and Dual Watch Capability
- NOAA Weather channels and Alert
- One-Button Access to Channel 16 and 9
- 30 W Loud Hailer with listen back and 4 fog horns, Bells & Whistles
- Removable speaker microphone with 16/9 key and channel selection
- Voice Scrambler (Option)
- Waterproof Front panel

*with GPS connected

CLEARVOICE™
NOISE REDUCTION TECHNOLOGY



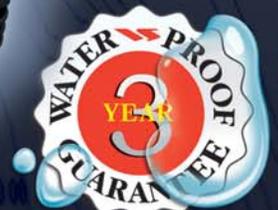
*Available in black or white

RAM+ Remote Access Microphone CMP25



*Display with GPS Attached

Nothing takes to water like Horizon!



STANDARD HORIZON



QUANTUM Series
GX3500S
 25 Watt VHF FM Marine Transceiver

ITU Class D DSC Transceiver

The Quantum GX3500S is an ITU Class D marine transceiver that has been approved by Transport Canada for commercial use on specific vessels. A separate Channel 70 receiver allows DSC calls to be received even when listening to traffic on Marine VHF channels. The oversized alphanumeric keypad allows direct entry of channels and selection of scanning, 30W Public address, Fog, bell and whistle signals with listen back, GPS repeating of date time, vessel speed, direction and position. All the keys on the front panel are backlit allowing easy viewing at night.

Oversized alphanumeric LCD, knobs and keys

Designed to take the day in and day out punishment in the harshest environments. The Quantum GX3500S can take submersions or more likely direct water from waves crashing over the bow. Oversized knobs allow for easy adjusting of Volume, Squelch, channel changing and moving through radio and Digital Selective Calling functions. The LCD is one of the largest in the industry with 4 lines of Alpha-Numeric characters that boldly display channel names, DSC call information and even GPS position with Speed Over Ground and Course Over Ground. Programmable scan, Dual Watch and Ch16 priority scan allows you to scan any number or combination of channels so you will not miss a call.



30W Loud Hailer with listen back and 4 fog horns, bells & whistles

The Quantum GX3500S has a 30W loud hailer with 4 pre-programmed Fog signals; bells and whistles even listen back. For advanced users the GX3500S allows you to select the fog horn frequency for true versatility. Most VHF's with a PA do not allow monitoring VHF transmissions; this has been solved with the Quantum GX3500S. Simply tune to a channel before selecting the PA mode and when a VHF transmission is received you will hear the conversation. In addition, all the PA functions can be controlled by using the optional Enhanced RAM+ remote speaker mic.

Capable of being connected to RAM+ second station microphones

This advanced remote operates as a full second station to the Quantum GX3500S at the fly bridge, cockpit, tower or location of your choice. The submersible RAM+ has a oversized display and keys that allow the user to remotely control all VHF functions including PA and FOG, Digital Selective Calling functions, show channel names and repeat GPS information.



ITU Class-D DSC



Removable ClearVoice speaker microphone with 16/9 key and channel selection

Quantum GX3500S features a uniquely designed waterproof microphone. Clear Voice, a Standard Horizon innovation, provides the clearest possible transmission, by significantly reducing wind and engine background noise. In addition to its unique noise canceling capabilities, the Quantum GX3500S's microphone features a speaker, up/ down and 16/ 9-channel selection.

One button access to CH16/9

The oversized and strategically positioned location of the 16/ 9 make operating the radio easy. Press the 16/ 9 key to select the international distress and calling (channel 16) from any channel, press and hold the 16/ 9 key to select CH9 the US calling channel, a third press reverts the radio back to the last used channel, SIMPLE! .



LARGE AUDIO!

Hearing communications over the engine roar is not an issue with the Quantum GX3500S. The Quantum GX3500S is fitted with a front projecting 2.2 inch waterproof speaker producing LOUD audio that will even make your buddies take notice.



DSC Position polling and Distress Calling

The most important reason to have a VHF radio on board your vessel is safety. In an emergency the Quantum GX3500S is capable of transmitting an automated Digital MAYDAY transmission that includes GPS position, date and time (when connected to GPS. The Quantum GX3500S also can transmit & receive DSC Urgency, Safety, Group and Individual calls.



ACTUAL SIZE

Unique Intercom System

There is no need for a dedicated Intercom system when you have the GX3500S and RAM+ microphones! Want to talk from the Quantum GX3500S to one RAM+ or RAM+ and Quantum GX3500S you can! Standard Horizon has even built in a Calling feature that allows you to individually alert the Quantum GX3500S or RAM+ from the station that is being used. Clearly the next step in communication on your vessel!



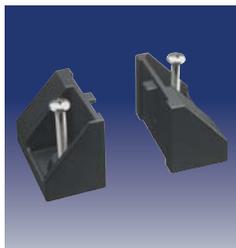
DSC Position Request and Send

Standard Horizon has pioneered the capability to poll and show another vessels position on the VHF's display. Vertex Standard has taken this feature one step further, if any Vertex Standard GPS is connected to the Quantum GX3500S, the polled position of the vessel is shown on the display of the GPS chart plotter making it easy to navigate to the location of the polled vessel. This is a great feature for anyone wanting to know the position of another vessel, for example your buddy that is catching fish, or finding the location of a vessel in distress.

Scan/Priority, Dual Watch and more....

Scanning is a breeze using the dedicated MEM key which allows selection of channels you want to scan. The Quantum GX3500S can be setup to scan any number of channels with or without priority channel. Want to scan between the user selectable Priority channel and another channel, simply rotate the channel selector knob to the working channel and press the DW key.

OPTIONAL ACCESSORIES



MMB-84
Flush Mounting Bracket



CT-100
23-foot Extension Cable for RAM+ MIC



CVS2500
Voice Scrambler



RAM+ MIC
Remote Access microphone CMP25

* Available in black or white



220SW
Great sound quality for loud hailer voice, horns, sirens and bells.

240SW
Great sound quality for loud hailer voice, horns, sirens and bells.

3 Year Waterproof Warranty

Because the QUANTUM is built better, it's backed better. If the STANDARD HORIZON QUANTUM fails for any reason (including water damage) during normal use for the first 3 years of ownership, STANDARD HORIZON will repair or replace it free, without hassles or charges. If it fails for anytime thereafter in normal use, for as long as the original purchaser owns the radio, STANDARD Horizon's Lifetime Flat Rate and Customer Loyalty Service Programs will cover it.



STANDARD HORIZON


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SPECIFICATIONS

General	
Channels	All USA, International and Canadian
Input Voltage	13.8 VDC ± 20%
Current Drain:	Standby 0.5A Receive 1.5A Transmit 5.0 A (Hi) ; 1.5 A (Lo)
Dimensions	3-9/ 16 H x 9-1/ 16 W x 5-29/ 32 D (90 H x 230 W x 150 D mm)
Flush-Mount Dimensions	2-27/ 32 H x 8-5/ 64 W x 5-1/ 8 D (72 H x 205 W x 130 D mm)
Weight	3.2 lbs (1.45 kg)
Transmitter	
Frequency Range	156.025 to 157.425 MHz
RF Output	25 W (Hi) ; 1 W (Lo)
Conducted Spurious Emissions	80 dB (Hi) ; 60 dB (Lo)
Audio Response	within +1/ -3 of a 6 dB/ octave pre-emphasis characteristic at 300 to 3000 Hz
Audio Distortion	5 %
Modulation	16K0G3E, for DSC 16K0G2 B
Frequency Stability	± 0.0005 %
FM Hum and Noise	-4° F to +122° F (-20° C to +50° C)
FM Hum and Noise	50 dB
Receiver	
Frequency Range	156.050 to 163.275 MHz
Sensitivity	20 dB Quieting 0.35µV 12 dB SINAD 0.25µV
Squelch Sensitivity (Threshold)	0.13 µV
Modulation Acceptance Bandwidth	± 7.5 kHz
Selectivity:	
Spurious and Image Rejection	better than -70 dB
Intermodulation and Rejection at 12 dB SINAD	better than -70 dB
Audio Output	4.5 W
Audio Response	within + 2/-8 of a 6 dB/ octave

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

* Industry Canada approval 511B-30063X3D

*Meets Transport Canada requirements for ship installations of closed construction that are more than 8 m in length, carrying more than six passengers and towing vessels

A FAMILY OF FINE STANDARD HORIZON PRODUCTS

STANDARD HORIZON is a leading manufacturer of technologically advanced feature rich Marine Electronics. Our broad line-up includes various models of VHF, Marine Stereos, Digital Instruments, GPS Chart Plotters and design advantages versus competitive models. Visit the STANDARD HORIZON web site at www.standardhorizon.com for more details!

A FAMILY OF COSMETICALLY MATCHED CHOICES

The GX3500S is one member of the family of marine electronics from STANDARD HORIZON that includes:

GPS CHART/ FISH PLOTTERS

VHF RADIOS

