

# Marine

**Mobile/portable VHF**



## New Neptune

- › **Black** code **G979.03**
- › **White** code **G979.04**

**New Neptune** has all the prime features of quality, durability and reliability features that latest generation technology can offer. It safely transmits and receives on all nautical VHF international channels as established by the International Telecommunications Union (ITU). Thanks to the Class “D” DSC function, it complies with nautical device regulations.

**The DSC** system sends and receives coded and common signals throughout the world (saved in memory) concerning:

- › **Ship** ID number,
- › **Alarm signals** such as Fire on board, Sinking, Emergency, Piracy, Run Aground, Collision, etc,
- › **Ship coordinates** (automatically read by the optional GPS system),
- › **UTC time** (automatically read by the optional GPS system)

It is equipped with the **ATIS system** (required for internal water use) for automatic craft identification: the craft’s unequivocal identification number is sent whenever PTT is pressed.

It can also be connected to a **GPS receiver**(GPS 200 code C723) to continually update craft coordinates.

It also has a second internal receiver that operates on channel 70 (DSC communications channel).

**New Neptune** is made up of high quality electronic components and complies with retail standards to guarantee clear, reliable and long-lasting communications.

**New Neptune** is controlled by a microprocessor which provides advanced features and performance: it controls nautical band tuning and advanced functions such as **Dual Watch**, **Triple Watch** and various available scans.

The wide backlit keypad permits use in an lighting conditions and 20 private channels (using the optional “PRG NEPTUNE” programmer code G1005) and 16 MMSI addresses (craft identification code) can be programmed.



### Main functions:

- › DSC system – Class D – with potential to save received DSC messages
- › 23 frontal controls for immediate use of all functions
- › Main controls replicated in the microphone for even more immediate use - channel selection and channel 16 redial
- › Wide frontal backlit keypad for use in any lighting conditions
- › Backlit LCD display and adjustable contrast (for optimal display).
- › Squelch adjustment
- › Channel 16 redial button (universal nautical channel most frequently used as SOS channel).
- › 25W transmission power reducible to 1W
- › Connections to an external speaker (optional)
- › Dual Watch function - to monitor channel 16 when listening to the tuned channel
- › Triple Watch function – to monitor channels 9 and 16 as well as the tuned channel

- › Scan function with 2 scan modes: all channel scan or saved channel scan with potential to create a channel group
- › 16 programmable MMSI addressed (craft identification code)
- › 20 programmable channels for authorised professional use (“PRG-Neptune” software required)

### Supplied accessories

Support bracket, power cord, microphone hook

### Packaging

1 device, microphone and support, external GPS cable, power cable, assembly bracket and fastening screws

Certification  
**CE**  
 CE/99/05 compliant  
 ETS EN 300 025-2-3 EN 300 698-2-3

## GPS 200

› code C723

### GPS satellite receiver

Particularly indicated for light and semi-professional use such as:  
lake and sea navigation, flotilla control, Automatic vehicle location (AVL), automatic pilot, personal or tourist navigation, tracking devices or systems, mapping devices, etc.; for sea use, storage is recommended when dry-docked.  
Midland VHF marine transceivers **can be directly connected to** Notebooks PalmTops using the supplied cable: it can be secured with both an internal magnet or two fastening screws.

#### Main features:

- › SIRF Star II internal chipset
- › 12 channel satellite receiver
- › High speed signal acquisition
- › WAAS/EGNOS demodulator
- › Low energy consumption
- › Memory retention and TTFF (Time To First Fix)
- › Rapid first acquisition



- › Data protocol support NMEA 0183 v2.2
- › **Antenna type:** Built-in Patch
- › **Minimum detectable signal:** -175dBW
- › **Dimensions:** 66x51x22,5 mm
- › **Weight:** 62g
- › **Cable length:** 2 m
- › **LED functions:**  
Power On/Off and navigation  
Data update indication
- › Working temperature: from -40° to +80°
- › Working humidity: 5% to 95% without condensation.
- › Current consumption: <170mA at 4.5- 5.5V



## Optional New Neptune accessories:

### Neptune bracket

- › **Black code G1020**
- › **White code G1020.01**



**NEW**

### Midland 70-2355T

- › code C733

#### External speaker

Thanks to the adoption of the Mylar cone, that makes it weather-resistant, the Midland 70-2355T speaker can also be used outdoors.



### PRG Neptune

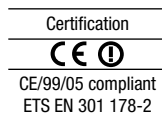
- › code G1005

New Neptune software programmer



## Atlantic-i

- › **Black** code **G1037.01**
- › **White** code **G1037.02**



### Navigate in complete safety



This portable marine transceiver was designed to satisfy the communications needs in all types of navigation, both professional and amateur.

**Atlantic-i** is durable, electronically advanced and provides clear and reliable communication on all ITU assigned international channels on VHF nautical band.

Transmission power can be selected high (5W) and low (1W) to guarantee optimal performance in any situation.

**Atlantic-i** is the latest innovation in the portable marine transceiver field with 56 international band channels and immediate access to emergency channel 16.

The package also includes a waterproof case that provides safe and "waterproof" use.



#### Main functions:

- › Display
- › Immediate access to emergency channel 16
- › CALL key with 3 selectable tones
- › SCAN function
- › Keypad lock to prevent accidental calls
- › Automatic squelch adjustment
- › Roger Beep on/off
- › VOX for hands-free communications

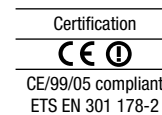
- › High/low power selection
- › Battery low indicator
- › Automatic battery saver
- › External microphone/battery charger/external speaker jack

#### Packaging

1 device, desktop/wall support, belt clip, waterproof case with neck strap

## Ocean

- › **Black** code **G978**
- › **White** code **G978.01**



The portable **Ocean** marine transceiver lets you communicate on the ITU assigned international channels on VHF nautical band. Accurately designed with the best components, it guarantees maximum performance even in extreme conditions. Its wide backlit screen provides clear operating parameter display in any lighting conditions. **Ocean** can save up to 20 private channels (using the optional Prg-Ocean programmer code g 1006) that can be quickly recalled and scanned; it also includes a chronometer with intermediate time and clock.

#### Main functions:

- › Wide backlit crystal liquid display
- › 20 savable user channels
- › Fast saved channel recall and scan
- › Immediate access to emergency channel 16
- › Chronometer with intermediate time
- › Clock
- › Automatic battery saver
- › Battery low indicator
- › CALL key with 10 selectable tones
- › Automatic squelch adjustment
- › Channel selection buttons
- › SCAN function
- › Keypad lock
- › High/low power selection
- › Dual Watch function
- › VOX for hands-free communications



- › External microphone jack
- › Battery charger jack
- › External speaker jack

#### Packaging

1 device, belt clip and rubber antenna

#### PRG Ocean code G1006

Ocean software programmer



# Technical Specifications



	New Neptune	Atlantic-i	Ocean
<b>General</b>			
<b>Channels</b>	57 international	56 international	56 international
Frequency generation	PLL tuner	PLL tuner	PLL tuner
Frequency coverage TX RX	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz
Antenna impedance	50 Ohm		
Power	12 Vdc	4 6V AA rechargeable or alkaline batteries	4 AA rechargeable or alkaline batteries
Working temperature	from -15°C to +55°C	from -15°C to +55°C	from -15°C to +55°C
Dimensions (HxLxD)	70x170x160 mm	58x122x34 mm	55x126x38 mm
Weight (device only)	1,305 Kg	119 gr	157 gr
<b>Transmitter</b>			
Output power	HI: 25W - LO: 1W	1/5 Watt (selectable)	0.5/2 Watt (selectable)
Modulation Type	FM	FM	FM
Microphone	Condenser type	Condenser type	Condenser type
Audio distorsion	3%	5%	5%
RF Power	meets ETSI regulations	meets ETSI regulations	meets ETSI regulations
<b>Receiver</b>			
20dB Sinad sensitivity	< 0.6µV	0.35 µV	0.35 µV
Selectivity	70dB		
Squelch sensitivity	Limit -12dBµV (FEM)		
Adjacent channel rejection	70dB	70dB	70dB
Audio output power	> 2W on 8 Ohm	300mW @ 10% THD	300mW @ 10% THD
Audio distorsion	< 10%	< 10%	< 10%
Intermediate frequencies	1°: 21.4MHz – 2°: 405KHz	1°: 21.4MHz – 2°: 450KHz	1°: 21.7MHz – 2°: 450KHz
Auxiliary jacks	Speaker 3,5mm Mono/GPS	2 Pin speaker/microphone	2 Pin speaker/microphone - 1Pin 2,5mm for PRG
Programmable	Yes (PRG Neptune)	-	Yes (PRG Ocean)

# Optional accessories



**MA35N - C652.01**  
Headphones with microphone

■ **Compatible with all devices with 2 Pin jack**



**MA30P - C648.01**  
Microphone with adjustable arm 2 pin

■ **Compatible with all devices with 2 Pin jack**



**MA28 - C559**  
Talk/listen microphone

■ **Compatible with all devices with 2 Pin jack**



**MA24 - C517**  
Talk/listen microphone with VOX/PTT

■ **Compatible with all devices with 2 Pin jack**



**MA21-D - C709**  
Microphone with adjustable earphone and PTT

■ **Compatible with all devices with 2 Pin jack**



**MA26 - C515**  
Speaker mike with volume knob and earphone jack

■ **Compatible with all devices with 2 Pin jack**



**CA-ATL/G7 - C 785**  
2 slot desktop charger with wall charger

■ **Compatible with Atlantic-i**



**CA 445 - C 748**  
Single desktop battery charger with wall and car charger

■ **Compatible with Ocean**



**PB-ATL/G7 - C784**  
800mAh rechargeable battery pack

■ **Compatible with Atlantic-i**



**C696** NiMH 1,2V 1200 mA/h rechargeable batteries  
**C697** NiMH 1,2V 1700 mA/h rechargeable batteries  
**C734** NiMH 1,2V 2300 mA/h rechargeable batteries

■ **Compatible with all devices that use "AA" batteries**

**50 piece packages**



**ALG7 - C814**  
Lighter power cord

■ **Compatible with Atlantic-i and Ocean**



**MW904 - C689**  
Wall charger

■ **Compatible with Atlantic-i and Ocean**