NAUTILUS
MARINE RESCUE GPS

You don't think you need one.

Until you do.

Don't get left behind.

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QUICK START GUIDE TO ACTIVATE HELP

1. Open the dive cap by releasing the latch.
2. Press the blue button firmly until it clicks to power on the Nautilus GPS. It will now begin to search for a GPS lock.*
3. Remove the antenna retainer and unfurl the antenna.**
4. Hold the red button for 5 seconds to begin distress transmission.

* Two CR123 3V lithium batteries must be installed to operate the Nautilus GPS.

** Remove retainer as indicated by the retainer label. Be cautious when removing antenna retainer. The antenna may spring out rapidly.

Important!
Please ensure that you have set your Nautilus GPS to the correct region.
See page 7 for details.

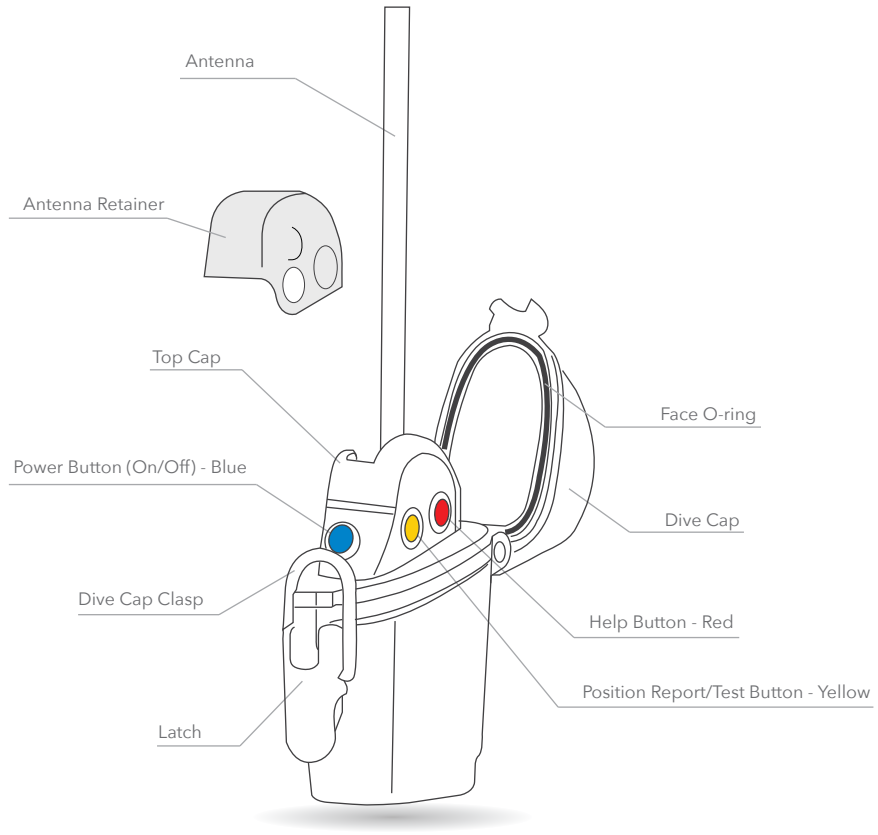
The Nautilus Marine Rescue GPS is an aid to your safety. It is not a life-saving device. It is not intended to save your life.

IMPORTANT NOTES!

The Nautilus Marine Rescue GPS is an aid to your safety. It is not a life-saving device. It is not intended to save your life.

- This equipment is intended for emergency use. Do not activate unless in an emergency situation.
- The Nautilus GPS uses CR123 3V (1550 mAh) batteries.
- DSC functionality may be disabled in certain countries subject to regulations.
- Dive cap should remain sealed unless in distress situation or when performing self-test.
- In order to comply with CE RF exposure guidelines, ensure that the Nautilus GPS is at least 16cm from your body when transmitting.
- When replacing screws, do not overtighten. Tighten screws slightly past point of resistance.
- Performing a test will reduce the battery life. Only perform a test once before each dive trip.
- Ensure that the O-rings are always clean and free of contaminants.
- Be cautious when removing antenna retainer. The antenna may spring out rapidly.
- Do not open dive cap underwater.
- In the case of accidental activation, the user should deactivate the Nautilus GPS distress signal and notify the appropriate search and rescue authorities (e.g., U.S. Coast Guard or Rescue Coordination Center serving the geographic region) at the earliest possible time.

Nautilus GPS Components



Nautilus LifeLine
Marine Rescue GPS

Nautilus LifeLine
Marine Rescue GPS

Antenna Winder

Screwdriver
(Jun-2018 units onwards)

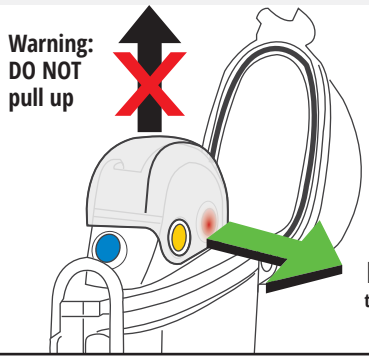
Online Manual
NautilusLifeLine.com

Batteries Not Included

* Ensure that your Nautilus GPS has two CR123 batteries installed.
How-to on P.10

* Batteries should be within the marked expiry date.

How to remove antenna retainer



Operation

STEP 1 **Open the dive cap by releasing the latch.**

STEP 2 **Press the blue button firmly until it clicks: Nautilus GPS goes to ON standby state (Blue LED flashes once per second) and GPS attempts to lock. Pressing the blue button again powers off the Nautilus GPS.**

- Blue LED flashes quickly when GPS location determined (on units with serial number beginning with 16)
- Blue LED flashes once every 5 seconds when GPS location determined (on units with all other serial numbers)

STEP 3 **Remove the antenna retainer to expose the "H" button, and to unfurl the antenna.**

- If Nautilus GPS is ON, users can press red "H" button at any time – it is not necessary to wait for GPS lock.

STEP 4 **Hold the red "H" button for 5 seconds to begin distress transmission.**

a. Red LED indicator flashing (Blue LED extinguishes)

- Red LED flashes quickly when GPS location determined (on units with serial number beginning with 16)
- Red LED flashes once every 5 seconds when GPS location determined (on units with all other serial numbers)

b. White strobe begins – quick double flash every 5s.
(to save energy, the white strobe shuts off in bright sun)

*** Note: To prevent false alerts the Nautilus GPS will wait 20s before start of first transmission sequence. (Red LED on solid)**

STEP 5 **Hold down the red "H" button for 5 seconds to deactivate distress transmission.**

*Note: Pressing the blue button will also power off the Nautilus GPS and end distress transmission, however transmission will begin again if Nautilus GPS is powered back on.

NOTE: If distress cycle has been activated, the batteries should be replaced at the earliest opportunity.

Region Programming & MMSI

* USER MMSI

Each Nautilus comes pre-programmed with an MMSI number.

* REGION PROGRAMMING & MMSI (Android & iOS)

STEP 1 Download and install the "Nautilus GPS" app from Google Play or Apple App Store. (Note: iOS app requires iOS 8 or later)

STEP 2 Start the app and enter the serial number of your Nautilus GPS (found on the back label)

STEP 3 Select "Device Mode". Choose the region where you will be using your Nautilus GPS.

- Canada: Only AIS will be transmitted. DSC not permitted due to local regulations.
- Europe: Only AIS will be transmitted. DSC not permitted due to local regulations.
- USA: Full AIS alert will be transmitted. DSC alert will be sent first to your programmed ship MMSI. After 30 minutes, transmission will switch to your programmed group MMSI. Refer to steps 4 and 5 for details on MMSI programming.
- International: Full distress alerting with AIS and DSC. If a ship MMSI has been programmed, DSC will first be sent to your own ship. After 30 mins., DSC will be sent to all ships.

The following three options can be selected if you are using your Nautilus GPS outside of Canada, Europe, or the USA: **DSC Only, AIS Only, and Both DSC & AIS**

STEP 4 Enter the MMSI number of the ship you want your DSC alert to be sent to. This option is not available if you have selected Canada or Europe as your region.

STEP 5 USA Only: Enter your group MMSI. If you do not have a group MMSI, you can enter any number beginning with 0 such as 011-111-111.

STEP 6 Lay Nautilus GPS face down with label pointing up.

STEP 7 Aim your mobile phone's flashlight at Nautilus GPS and press START/PROGRAM. Your mobile phone's flashlight will flicker. Try not to move the phone during the programming sequence.

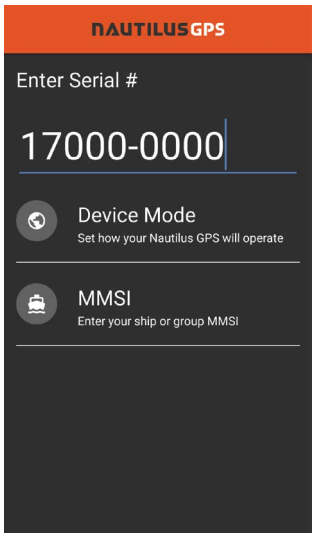
STEP 8 Nautilus GPS flashes the white strobe LED twice when successfully programmed and returns to IDLE state. If no valid programming sequence received after 60s, Nautilus GPS returns to IDLE state.

Current MMSI number can be cleared by programming the number 000000000

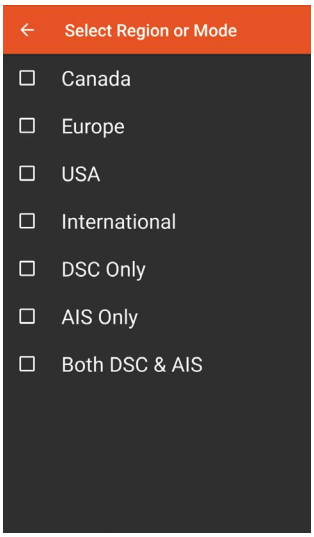
Using the Nautilus GPS App

Please see the previous page for corresponding fully-detailed programming steps.

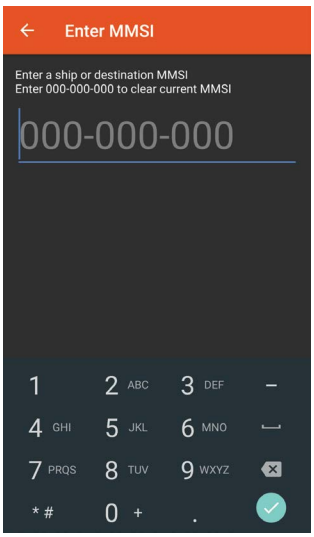
Nautilus GPS App for Android



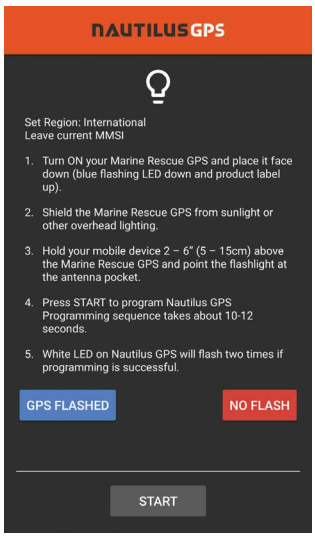
STEP 2
Entering serial number and select Device Mode



STEP 3
Selecting operating region
Please select region, unless certain of mode selection

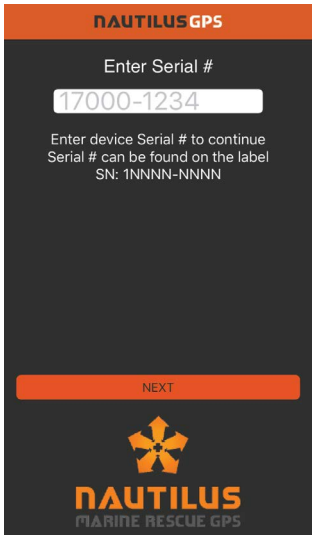


STEP 4
Entering MMSI - Not available for CAN/EUR
If no MMSI desired, tap check/confirm to proceed

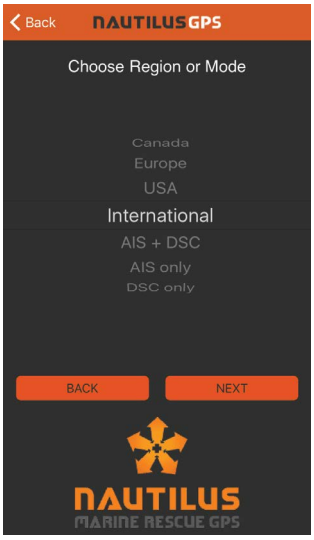


STEP 7
START will flash mobile light GPS will blink white LED twice when successful
Select GPS Flashed + Done to complete process

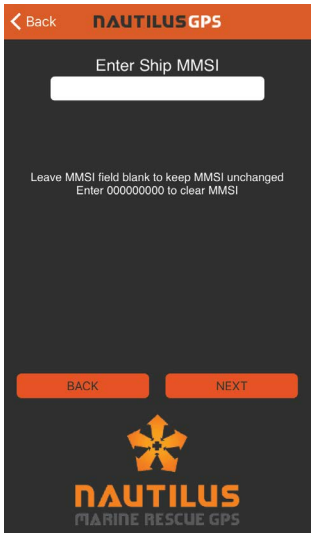
Nautilus GPS App for iOS



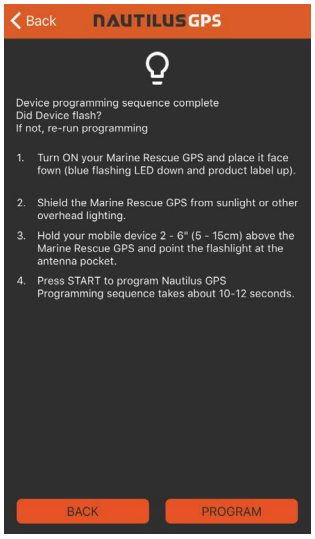
STEP 2
Entering serial number and select Device Mode



STEP 3
Selecting operating region
Please select region, unless certain of mode selection



STEP 4
Entering MMSI - Not available for CAN/EUR
If no MMSI desired, tap next to proceed



STEP 7
PROGRAM will flash mobile light. GPS will blink white LED twice when successful
No further steps necessary

Test Sequence

Note: Not all VHF radios are capable of receiving the Own Ship DSC messages. If your radio does not receive these messages, it is recommended to remove the destination MMSI number from your Nautilus GPS using the mobile app to prevent any delays in receiving distress messages.

1. Press and hold Nautilus GPS Test Button for 5s until YELLOW indicator begins flashing.
2. YELLOW LED flashes quickly when GPS location determined.
   Test sequence begins after Nautilus GPS has acquired position.
3. Approximately 20s after acquiring position the YELLOW indicator will stop flashing (on solid) and Nautilus GPS will transmit a single position report message.
   This message will be received by all surrounding ships with AIS receivers. If you have a ship MMSI programmed (see page 7), the message will be received on the ship's VHF radio.
4. Low Battery indicated by alternate sequencing of YELLOW – RED indicators.
   Replace batteries before next use.
5. Good Battery indicated by Nautilus GPS returning to IDLE.

Note: Test should be done at a temperature between 10-30 degrees Celsius.

Position Advisory Sequence

Feature available with units manufactured after June 2018.
Contact us for details on sending in your Nautilus GPS for the update.

Note: Not all VHF radios are capable of receiving the Own Ship DSC messages. If your radio does not receive these messages, it is recommended to remove the destination MMSI number from your Nautilus GPS using the mobile app to prevent any delays in receiving distress messages.

1. Press and hold Nautilus GPS Test Button for 8s. After 3s of holding the Test Button, YELLOW indicator will begin flashing for the next 5s. After 8s, YELLOW indicator will briefly become solid again and then resume flashing. The Test Button can now be released.

2. YELLOW indicator flashes quickly when GPS location determined.

3. Nautilus GPS will continuously transmit a Non-Emergency Position Report until deactivated. This message will be received by all surrounding ships with AIS receivers. If you have a ship MMSI programmed (see page 7), the message will be received on the ship's VHF radio. After 30 minutes of transmitting, if your Nautilus GPS has been set to the International region using the mobile app, the message will be received by all surrounding ships with VHF radios.

4. Hold Test Button for 5s to deactivate Non-Emergency Position Report sequence. YELLOW indicator will turn solid and BLUE indicator will begin flashing.

This sequence will not send an emergency distress message.
Please see page 06 for distress procedure.

Battery Information

The Nautilus GPS uses CR123 3V batteries. The batteries should be replaced per the battery vendor's expiry date as printed on the batteries, and recorded on the back label or after TEST mode battery change notice (alternating RED and YELLOW LED).

Replacing the batteries requires a Philips #1 head screw driver and a clean, lint-free surface. Do not overtighten screws.

Units manufactured after June 2018: Use only the provided screwdriver.

How to install batteries

Unscrew two screws on top cap

Insert two batteries
(Must be installed with proper orientation +, - symbols)

Tighten screws just past point of resistance
Do not overtighten

Rewinding the antenna

To rewind the antenna, use the tool provided in the box.

Pass the end of the antenna through the slot of the rewinding tool.

Insert the tool and antenna into the round open space in the back of the top cap.

Continuously turn the tool clockwise to spool the antenna until the retainer can be replaced.

Hold the tool and antenna stationary.

Replace the antenna retainer, and remove the winding tool.

Technical Specifications

AIS Transmit Power: 1 Watt
AIS Frequency: 161.975 and 162.025 MHz
DSC Transmit Power: 0.5 Watt
DSC Frequency: 156.525 MHz
Messages: Individual Distress Relay, Distress Alert
Environmental Temperature Range: -20°C ~ +55°C
Waterproof Depth: 425 feet (130 meters) sea water with dive cap closed Splashproof with dive cap open
Dimensions: 2.9 x 3.8 x 1.5 inch (75 x 97 x 39mm)
Weight: 4.6 oz (131g) after inserting two batteries

This radio device is designed to only provide an effective alerting and locating capability in close proximity to a vessel. This radio beacon is NOT an EPIRB.

Proudly made in Canada

CE 2200

WARNING: The FCC / The Industry Canada regulations provide that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.