

Nautilus Lifeline VHF-GPS Radio for Divers

# OPERATIONS MANUAL

Model: DIVER

1. **Lifeline (RED) button is not functional until registered.**
2. **Lifeline must be charged to 100% before first use**
3. **Splash proof at surface in all sea conditions, when upper cap is open.**
4. **Avoid submerging your Lifeline with upper cap open.  
Speaker performance may be temporarily affected.**

Web: [www.nautiluslifeline.com](http://www.nautiluslifeline.com)  
Email: [info@nautiluslifeline.com](mailto:info@nautiluslifeline.com)

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## INTRODUCTION

Thank you for your purchase of a Nautilus Lifeline VHF-GPS Radio for Divers! Your unit is ready for immediate use as a fully functional marine VHF radio and GPS. You can talk on the radio using either of the following buttons:

Green Chat Button: Channel 68 by default, and adjustable to any marine VHF frequency.

Orange Hail + Distress Button: Pre-set to channel 16, the international hail and distress channel.

NOTE: Before first use, be sure to charge your Nautilus Lifeline battery to 100%. Additional features are available once your Lifeline unit is registered. Connect your unit to your computer using the included USB cable and visit [www.nautiluslifeline.com](http://www.nautiluslifeline.com) in order to register your warranty, activate distress mode, and enter a Maritime Mobile Service Identity (MMSI) number. See [Register Your Nautilus Lifeline](#) on page 11.

## About this Manual

We encourage you to read through this Operations Manual before using your Nautilus Lifeline VHF-GPS Radio for Divers. This will help you access the latest additional features of your Lifeline and understand the safe and proper way to use it.

The label "WARNING!" identifies conditions that could result in personal injury or loss of life, or cause damage to your Nautilus Lifeline.

The labels "IMPORTANT" and NOTE alert you to information that is important to proper operation or maintenance of your Nautilus Lifeline.

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## IMPORTANT SAFETY CONSIDERATIONS

**WARNING!** The Nautilus Lifeline is intended to aid in your safety. It is not a life-saving device. It is not intended to save your life.

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## FEDERAL COMMUNICATIONS COMMISSION NOTICE

This unit has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can emit radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications; however, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on), the user is encouraged to try to correct the interference using one or more of the following measures:

Increase the separation between the equipment and receiver.

Connect the equipment to a different electrical circuit from the receiver.

Consult the dealer or an experienced marine electronics technician for help.

This device complies with Part 15 of the FCC Rules; operation is subject to the condition that this device does not cause harmful interference.

Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules.

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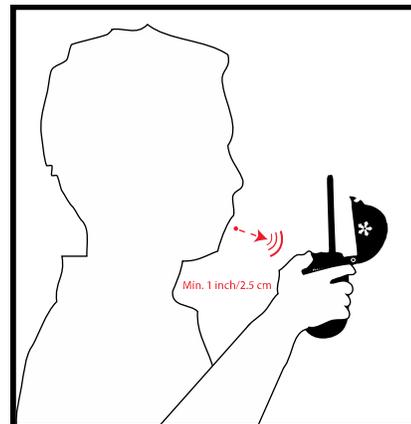
## RADIO FREQUENCY EXPOSURE SAFETY STATEMENT

Your wireless handheld portable transceiver (Lifeline) contains a low-power transmitter. When the push-to-talk button is pressed, the transceiver sends out radio frequency (RF) signals. In August 1996, the FCC adopted RF exposure guidelines with safety levels for handheld wireless devices. This device is authorized to operate at a duty factor not to exceed 50% (this corresponds to 50% transmission time and 50% reception time).

**WARNING!** In order to maintain compliance with the FCC's RF exposure guidelines, this transmitter and its antenna must maintain a separation distance of at least 1 inch (2.5 centimeters) from your face. Speak in a normal voice, with the antenna pointed up and away from your face at the required separation distance.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments may damage the transmitter and violate FCC regulations.

Min. 1 inch/2.5 cm



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## OPERATOR WARNINGS

**WARNING!** Unauthorized operation of, or modifications to the Nautilus Lifeline may result in violations of FCC Rules.

**WARNING!** Disassembly and repair of the Nautilus Lifeline should only be performed by the manufacturer.

Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty.

**WARNING!** The Nautilus Lifeline radio is capable of transmitting on the very high frequency (VHF) marine band. Use of the VHF marine band is permitted on water only. Use of the VHF marine band on land is prohibited. If the VHF marine band is used on land and interferes with on-land radio communication, authorities may be notified and search for the interference. Responsible parties found to be transmitting on the VHF marine band on land may be fined.

The following communications are prohibited:

False distress or emergency messages

General messages (messages not addressed to a particular station), except in an emergency or if you are testing your radio

Transmission while on land

Messages containing obscene, indecent, or profane language (potential fine of \$10,000)

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## LICENSING

You may need a license to operate your handheld VHF radio. Contact your local authorities before using your unit to ensure that you are complying with the rules and regulations in your area. Regulations may vary between countries, please contact the local authorities when using your Nautilus Lifeline in another country.

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## USAGE IN THE EUROPEAN UNION

In the EU, the Nautilus Lifeline Radio for Divers is a class 2 device. Not all frequencies in the EU are harmonized, and users are advised to select their country or region of diving in order to ensure that the correct table of channels is available.

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## MARITIME MOBILE SERVICE IDENTITY

A Maritime Mobile Service Identity (MMSI) number is a nine-digit number used on marine radios that are capable of using digital selective calling (DSC). It is used similarly to a telephone number to identify the user.

Regulations regarding MMSI registration vary by country; please speak with your local regulatory body about the laws surrounding MMSI number registration and usage in your area.

Input the MMSI number of your dive boat OR:

In the United States, register at:

[www.boatus.com/mmsi](http://www.boatus.com/mmsi) or [www.seatow.com/boating\\_safety/mmsi.asp](http://www.seatow.com/boating_safety/mmsi.asp)

In Canada, visit:

[www.ic.gc.ca/eic/site/sd-sd.nsf/eng/00009.html](http://www.ic.gc.ca/eic/site/sd-sd.nsf/eng/00009.html) or <http://www.usps.org/php/mmsi/rules.php>

To enter your MMSI number, see Register Your Nautilus Lifeline on page 11. International regulations require that you contact the manufacturer to change your MMSI to a different or second number. This can be done online. Please visit [www.nautiluslifeline.com/support\\_troubleshooting](http://www.nautiluslifeline.com/support_troubleshooting) for full details.

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## PARTS SUPPLIED

Before using your Nautilus Lifeline VHF-GPS Radio for Divers, make sure that the following parts are included in the box:

One Nautilus Lifeline

USB adapter cable

2x USB port cover (one spare)

Clip (attached to unit)

Antenna (installed on unit)

Quick Start Guide

If any of these items are absent upon receipt of your Lifeline, contact your dealer or Nautilus Lifeline (see Customer Support on page 22).

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## OPTIONAL ACCESSORIES

The following optional accessories are available for the Nautilus Lifeline:

DIVER Pouch

Spare DIVER O-rings

Extended Warranty

NOTE: These accessories are available online at [www.nautiluslifeline.com](http://www.nautiluslifeline.com). You can also check with your local dealer to place an order.

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## HOW THE RADIO AND GPS WORK

Very High Frequency Radio: (VHF) The most common method of communication between boats. Part of the radio spectrum has been allocated specifically to maritime users, and this VHF marine band is the same worldwide.

Digital Selective Calling: (DSC) An advanced, computerized form of VHF radio designed for marine use. When a distress call is made by pressing just one button on the radio, your identification and location may be automatically transmitted to the Coast Guard and other vessels in the area with a modern marine VHF radio. This function is only for emergency use.

Maritime Mobile Service Identity: (MMSI) A nine-digit number used on marine radios like your Nautilus Lifeline that are capable of using digital selective

calling (DSC). It is used similarly to a telephone number to selectively call other vessels. For more information, see the following:

To obtain an MMSI number: go to our support page [www.nautiluslifeline.com](http://www.nautiluslifeline.com)

To enter your MMSI number, see Register Your Nautilus Lifeline on page 11

Global Positioning System: (GPS) A means for locating any point on the earth. On your Nautilus Lifeline, it allows your latitude and longitude position to be acquired as long as you have a clear view of the sky. This ensures that you can be found even without communicating your position.

## CONTROLS AND FEATURES

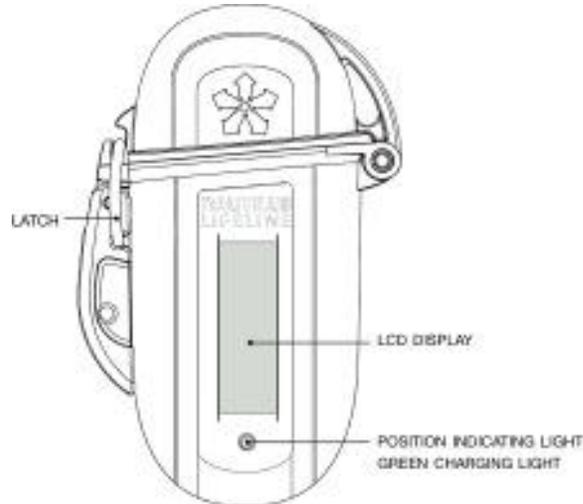
### Front of Unit

Latch

LCD Display

Position Indicating Light

Green Charging Light



### Polycarbonate Housing:

Provides waterproof protection to a depth of 425 feet (130 meters) so you can take your Nautilus Lifeline with you on every dive.

### Clip:

Conveniently and securely attaches the Nautilus Lifeline to a D-ring. For ultimate convenience, order a DIVER Pouch.

### GPS Receiver:

Jupiter 3 GPS receiver shows your latitude and longitude on the LCD screen.

### Position Indicating Light:

Flashes in distress mode to indicate diver position: especially useful after sunset.

### Charging Light:

Green light illuminates when unit is being charged.

### LCD Screen:

Shows GPS coordinates, number of satellites in view, channel in use, and battery level. When scrolling through the menu, the screen shows volume, squelch, and channel selection.

### Rechargeable Battery:

1850 mAh Lithium ion battery connects to any USB charger. The battery provides 30 minutes of talk time plus 24 hours of distress mode.

### LCD Screen

GPS Coordinates

Number of Satellites In View

Signal Lock

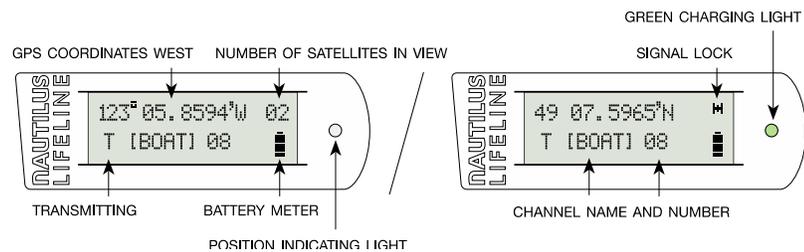
Green Charging Light

Transmitting Indicator

Battery Meter

Channel Name and Number

Position Indicating Light



### Top of Unit with Cap Open

Safety Tab

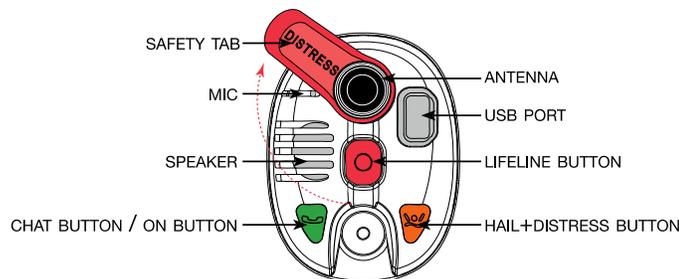
Mic

Speaker

Chat Button / On Button

Antenna

Lifeline Button



## Hail + Distress Button

**VHF Whip Antenna:** Waterproof to IP67 standards. The antenna's range can be further extended by holding the unit above your head in distress mode. When your unit is not in use, store it with the cap open and the antenna fully extended.

**Speaker / Microphone:** Splash-proof and functional in all sea conditions. Do not submerge. If incoming transmissions are muffled, hold unit upside down and gently tap on speaker grill to dislodge trapped or standing water.

**Chat Button:** Allows you to chat to your dive boat or other divers on a regular transmission channel, or to change the channel to any marine VHF frequency.

**Hail + Distress Button:** Allows you to talk to every boat within range on channel 16, the universal hail and distress channel on every marine radio worldwide. Users can change this channel to any marine VHF frequency. Software embedded in the unit prevents you from accidentally jamming the channel.

**Lifeline Button:** Allows you to transmit a distress message and your GPS coordinates by using LocateMe™ Technology. Your message will be shown on the screen of all boats with modern marine radios. Their radios should automatically switch to channel 16, alarms will sound, lights will flash, and your GPS coordinates and emergency message should be shown on the screen of each radio. This function varies according to country and certification.

**USB Port:** For recharging the battery. Also allows you to connect to a computer to change advanced settings or download a GPS log of dive sites.

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## BEFORE YOU START

To activate all the latest available features for your Lifeline, follow the instructions under each section below:

Check the unit

Charge the unit

Install the Setup Utility from [www.nautiluslifeline.com](http://www.nautiluslifeline.com)

Register your Nautilus Lifeline

Adjust settings with Lifeline Setup Utility

### Check the Unit

Check the O-ring carefully for dust or contaminants before submerging the unit. Also make sure that the USB cover is firmly in place.

### Charge the Unit

Your Nautilus Lifeline comes from the factory with a partial charge. You can charge it by connecting it to a USB charger, to any computer, or to a USB wall adapter using the supplied USB cable.

To charge your unit:

1. Open the cap on the unit.
2. Remove the protective cover over the USB port.
3. Plug the USB cable into the unit and into a USB charger, into any computer or into a USB wall adaptor.
4. Leave the unit plugged in until it is fully charged. Charging usually takes 4–5 continuous hours. A green LED indicator will indicate that the unit is charging. Charge to 100%.
5. Once your Lifeline is charged, disconnect the USB cable and carefully replace the cover over the USB port on the unit. Ensure that the USB cover is clean and properly placed to ensure protection of the USB port.

**IMPORTANT:** You must charge your unit every 6 months. Make sure your unit goes no longer than 6 months without a charge. Prolonged periods of inactivity may result in severe battery depletion. Fully charge your unit before storing for long periods of time. If battery becomes completely depleted please return unit to manufacturer for maintenance.

### Install the Setup Utility

In order to activate all of the latest available features, you will need to download and install the Setup Utility from the Nautilus Lifeline website. To accomplish this:

Windows Users:

1. Make sure that your computer is connected to the Internet. Go to [www.nautiluslifeline.com/support](http://www.nautiluslifeline.com/support) and download the Nautilus Lifeline Setup Utility.
2. Install the Setup Utility for Windows users.
3. Follow the installer instructions, and connect your Lifeline to your computer using the provided USB cord when the installer prompts you to do so.
4. Windows may warn you that you are trying to install an "Unsigned" device driver. Choose "Install the Unsigned Driver Anyways" to install the device driver for your Nautilus Lifeline. If you do not install the driver, your computer will be unable to connect to the Nautilus Lifeline.
5. Run the Setup Utility with your Nautilus Lifeline plugged into your computer.

6. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit.

Mac Users:

1. Make sure that your computer is connected to the Internet. Go to [www.nautiluslifeline.com](http://www.nautiluslifeline.com) and initiate the download of the Nautilus Lifeline Setup Utility.
2. Unzip the NautilusLifelineMac.app.zip package
3. You can drag the Nautilus-Lifeline Setup Utility (app) to the "Dock" for easy access, or run it from another Location on your Mac.
4. Run the Setup Utility and plug in your Nautilus Lifeline
5. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit.

IMPORTANT! The Nautilus Lifeline Setup Utility is currently most compatible with Windows Operating Systems (XP, Vista, 7) for the initial setup of your Lifeline. A Windows computer is highly recommended for this initial setup.

### Register Your Nautilus Lifeline

Additional features are available once you've registered your Nautilus Lifeline: you will need to use the included Nautilus Lifeline Setup Utility in order to register your unit, validate warranty, select your country or dive region, activate distress mode red button, and enter an MMSI number (if applicable).

To do this:

1. Ensure the unit is connected to the computer with the USB cable.
2. Open the Nautilus Lifeline Setup Utility on your computer.
3. Follow the instructions for validating your warranty. Be sure to accurately fill out the required fields and carefully read the Limited Liability.
4. You must register your Nautilus Lifeline in order to use the distress mode function on your unit. Regulation surround the distress mode function varies according to country and certification. Contact your local authorities before using this function.

### After Registration

1. Select your region.  
IMPORTANT: Your unit must always be set to the region In which you are using it. If you travel to a different country, make sure to set your unit to the appropriate region.
2. If you have already obtained an MMSI number, you may enter that number into your Lifeline using the Setup Utility. For information on obtaining an MMSI number, go to [www.nautiluslifeline.com](http://www.nautiluslifeline.com). The Red Button will not be activated until an MMSI number has been entered into the software and synced with your Nautilus Lifeline.

NOTE: You must enter an MMSI number in order to have full use of the distress mode function. You can only enter your MMSI number once, and you can only enter one MMSI number. If you need to change it or add a new MMSI number, contact Nautilus Lifeline in order to reset your MMSI number to the default 000000000. See Customer Support on page 22.

3. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit. This cover must be clean of all contaminants and carefully fitted in place in order to maintain waterproof integrity.

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## GETTING STARTED

To start using your Nautilus Lifeline, follow the instructions under each section below:

Open the cap

Extend the antenna

Turn Your Lifeline On

Use the menu

Turn Your Lifeline Off

### Open the Cap

IMPORTANT: Only open the cap if you are at the surface. Do not open the cap underwater. GPS and radio functions may only be used at the surface.

When the cap is open, the unit is splash-proof and can be used at the surface in any sea state. Do not submerge the unit with the cap open. If the Lifeline is submerged, the speaker may temporarily lose clarity until it has been thoroughly dried out. No other functions are affected.

When the cap is closed, the unit is submersible to 425 feet (130 metres).

### Extend the Antenna

The whip antenna can be flipped up when the cap is opened.

NOTE: You can maximize the range of your unit in distress mode by fully extending your arm upwards and holding the unit as high above your head as possible.

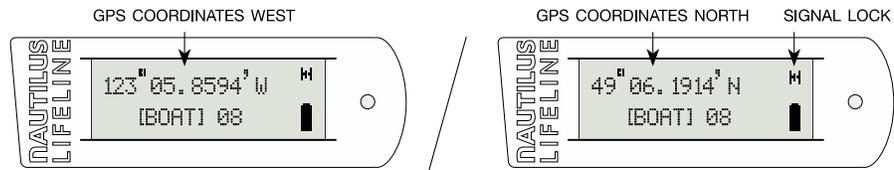
## Turn Your Lifeline On

Opening and closing the cap on your unit does not turn it on or off. To turn on your unit, open the cap and press the green button once. There will be a 1 second time lag before the unit powers up.

Once your unit is turned on, the home screen will appear and the GPS will automatically acquire your latitude and longitude position as long as you have a clear view of the sky.

Home Screen: The screen flashes coordinates from west to north. Coordinates are locked when the screen shows your position and a plus sign |+] in the top right corner.

GPS Coordinates West  
GPS Coordinates North  
Signal Lock



NOTE: When the unit is turned on for the first time, triangulation may take up to 3 minutes. The next time, the GPS will take less time to lock. We recommend turning on your radio upon arrival at a new dive destination so it acquires an accurate position.

## Use the Menu

To access the menu options or to return to the home screen at any time, press and hold the Green and Orange Buttons at the same time.

To scroll through the menu options, press the Green Button.

To select a menu option, press the Orange Button.

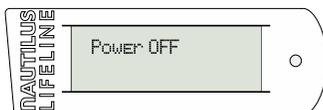
## Turn Your Lifeline Off

If no buttons are pressed for more than 5 minutes while your unit is on, it will automatically turn off. You can change this auto-off time using the Setup Utility on your computer (see Selecting and Adjusting Settings on the Computer on page 17).

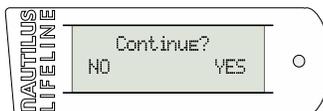
To manually turn off the Nautilus Lifeline:

Press the Green and Orange buttons at the same time.

Scroll through the menu by pressing the Green Button until you reach the "Power OFF" option.



Press and hold the Orange Button until question "Continue?" appears.



Press the Orange Button to select "Yes".

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## USING YOUR NAUTILUS LIFELINE

To use the radio on your Nautilus Lifeline, follow the instructions under each section below:

- Chat to Other Boats or Divers
- Change the Chat Channel
- Hail Boats in the Area

### Chat to Other Boats or Divers

Use the Green Button to talk to your dive boat or other divers on a regular transmission channel. To talk on the Green Chat Button channel:

1. Press and hold the Green Button. The radio will switch to transmit mode.
2. Speak clearly into the speaker / microphone area of the radio. When you are transmitting, the screen shows the channel on which it is transmitting and the letter "T." Wait 3 seconds before speaking.

3. When finished transmitting, release the button. You must release the button in order to listen to incoming transmissions.

### **Change the Green Chat Button channel**

The Green Chat Button channel is pre-set to channel 68. To change the Green Chat Button channel to any marine VHF frequency:

1. Press the Green Chat Button quickly 3 times.
2. Scroll through the channel options by pressing the Chat Button.
3. Press and hold the Green Chat Button to confirm the channel and return to the home screen.

### **Hail Boats in the Area**

Use the Hail + Distress Button to talk to boats within range on channel 16, the universal hail and distress channel on every marine radio worldwide. Every boat in the world is required to monitor this channel.

To talk on channel 16:

1. Press and hold the Orange Hail + Distress Button.
2. Talk clearly into the speaker / microphone area of the radio. When you are transmitting, the screen shows the channel that it is transmitting on and the letter "T." Wait 3 seconds before speaking.
3. When finished transmitting, or in order to listen, release the button.

NOTE: The Green and Orange Button functions are not available in distress mode when less than 24 hours-worth of battery life remains. The final 24 hours of battery are reserved for transmission using the Red button. While transmitting a message, the radio cannot receive a call. Software embedded in the unit prevents you from accidentally jamming the channel.

NOTE: If incoming transmissions are muffled, hold unit upside down and gently tap on speaker grill to dislodge trapped water.

Minimum transmission time is pre-set to 10 seconds. After 15 seconds of transmitting on the Green Button, or 20 seconds of transmitting on the Orange Button, the radio will automatically cut out in order to reserve battery life.

### **Self Diagnostic**

Before using your radio, it is recommended that you check all functions of your Lifeline by utilizing the Self Diagnostic feature. This can be activated by rapidly pressing the Orange Button 3 times.

This function will run a diagnostic of your Lifeline and ensure that it is operating at the highest standard.

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## **TRANSMITTING A DISTRESS MESSAGE**

Use distress mode to transmit a distress message and indicate your GPS position and alert message to stations or vessels within range that are equipped with a modern VHF marine radio.

NOTE: This feature is not activated until your Nautilus Lifeline has been registered online. Please visit [www.nautiluslifeline.com](http://www.nautiluslifeline.com) to register your unit.

### **Turn Distress Mode On**

To turn distress mode on, slide the RED safety tab over, then press and hold the Lifeline Button for at least 3 seconds.

Stations within range that are equipped with a modern VHF marine radios should automatically switch to channel 16, alarms will sound, lights will flash, and your GPS coordinates and a brief message should be shown on the screen of each radio.

NOTE: The distress mode function is available as long as there is any battery life.

NOTE: To maximize the range of your unit in distress mode, fully extend your arm upwards and hold the unit as high above your head as possible.

### **Turn Distress Mode Off**

To turn distress mode off, press and hold the Lifeline Button for more than 3 seconds. The screen will show the message "distress mode off."

IMPORTANT! Remember to turn distress mode off, as it will continue to broadcast emergency messages until it is turned off.

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## **TEST MODE**

1. Ensure that you are outside and can get GPS reception.
2. Enter Menu mode by pressing the Green and Orange buttons simultaneously.
3. Scroll through to the "Distress Test" Screen
4. Press the Orange Button to Select
5. Press the Orange Button again to continue
6. The Position Indicating Light will flash immediately, confirming test.
7. Press Red Distress button for 3 seconds to deactivate test mode.
8. Turning the unit off will also deactivate test mode.



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## SELECTING AND ADJUSTING SETTINGS ON THE COMPUTER

You can select and adjust settings on your unit manually or on your computer (see "Selecting and Adjusting Settings on the Unit"). To use the included Setup Utility on your computer:

1. Connect your unit to your computer using the provided USB cable.
2. Open the Nautilus Lifeline Setup Utility on your computer. (For information on downloading and installing the Setup Utility, see Install the Setup Utility on page 10.)
3. Click on the Advanced tab to do the following:
  - Adjust volume or squelch
  - Adjust the amount of time before the unit automatically turns off (default auto-off time is 5 minutes)
  - Change the Green Chat Button channel or Hail + Distress Button channel
  - Add country-specific channels to memory or delete channels from memory
  - Reset the radio to factory settings
  - Add an MMSI (see Register Your Nautilus Lifeline on page 11)
4. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit.

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## SELECTING AND ADJUSTING SETTINGS ON YOUR LIFELINE

Follow the instructions under each section below to do the following on your unit:

Adjust volume and squelch

Change the Green Chat Button channel

Change the Hail + Distress Button channel

Reset Your Lifeline to Factory Settings

### Adjust Volume and Squelch

Squelch is used to eliminate static and background noise between transmissions, and It allows silent operation of the radio until a transmission is received. Your Lifeline comes from the factory preset to auto squelch. On this setting, you never need to worry about squelch. To manually change the squelch go to the Setup Utility and select Auto Squelch "Off".

To adjust volume or squelch:

1. Press the Green Button and the Orange Button at the same time.
2. Scroll through the menu by pressing the Green Button. When you reach the "Squelch" or "Volume" option, press the Orange Button to lower the squelch or volume, or the Green Button to raise it.
3. When satisfied with the settings, press and hold the Green Button for 2 seconds to confirm and return to the home screen.

### Change the Green Chat Button channel

Your Nautilus Lifeline can store any VHF channel. The Green Chat Button is pre-set to channel 68. In order to change the Green Chat Button channel to any marine VHF frequency:

1. Press the Green Chat Button quickly 3 times.
2. Scroll through the channel options by pressing the Chat Button.
3. Press and hold the Green Chat Button to confirm the channel and return to the home screen.

### Reset Your Lifeline to Factory Settings

You can reset many radio settings back to the factory default settings. Resetting the radio will:

Erase any channels stored in memory

Return power settings to their original state To reset the radio, press the Chat Button, Hail + Distress Button, and Lifeline Button at the same time.

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## MAINTENANCE

### Maintain the O-Rings and USB Cap

To lengthen the life of your unit and prevent accidental flooding, keep the O-rings and USB caps clean of dirt, hair, and debris.

WARNING: Any dirt or contamination on either the O-ring or the USB cap may result in damage or permanent failure of your Nautilus Lifeline.

## Replace the Battery

An 1850 mAh lithium ion battery is used to power the Nautilus Lifeline. Return your unit to the manufacturer if the battery needs to be changed. Any attempt to replace the battery by the user will void the warranty.

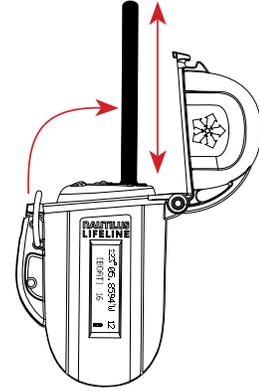
## Rinse the Unit

Gently rinse your Nautilus Lifeline in fresh water after each use.  
Do not pressure blow-dry.

## Store the Unit Open

Store the unit in a clean dry environment, clear of dust and contaminants and out of direct sunlight.

To prolong the life of the O-ring and antenna, always store the unit with the top cap open and the antenna fully extended.



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## TROUBLESHOOTING

Please read our troubleshooting guidelines listed on our website at [www.nautiluslifeline.com](http://www.nautiluslifeline.com). This may enable you to solve a performance problem yourself and avoid sending your unit back for repair.

**NOTE:** Do not attempt to repair the Nautilus Lifeline yourself, as there are no user serviceable parts inside, and special tools and techniques are required for reassembly to maintain the waterproof integrity of the housing. Repairs should be performed only by authorized Nautilus Lifeline technicians.

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## WARRANTY

The Nautilus Lifeline comes with a limited warranty. This warranty only applies if the unit has been registered online.

The Nautilus Lifeline limited warranty covers the correction of manufacturing defects and resulting damage only, and is valid for 1 year from the date you take delivery of your unit. Without limiting the generality of the foregoing, this warranty does not cover physical misuse or abuse of your unit, including tampering by unauthorized persons or repair facilities. Flooding as a result of customer misuse/neglect or improper care and maintenance, damage or flooding if the unit is submerged without the lid being properly latched or if the O-ring is not clean and clear of contamination will also void the warranty.

**IMPORTANT:** THIS WARRANTY IS ONLY AVAILABLE TO THE ORIGINAL OWNER ON UNITS BOUGHT FROM AN AUTHORIZED DEALER AT MANUFACTURER SUGGESTED RETAIL PRICE (MSRP) OR MINIMUM ADVERTISED PRICE (MAP).

This warranty does not apply to a unit that has been:

Improperly used for a purpose other than that recommended in the product installation and operation instructions  
Damaged or has failed because of an accident or abnormal operation  
Repaired or modified by entities other than Nautilus Lifeline.

Please keep your original receipt as a proof of the purchase date. You must register your unit online within 30 days of purchase to qualify for the limited warranty.

### Extended Warranty

Includes all benefits and terms of non-extended warranty for an additional 12 months. Please visit [www.nautiluslifeline.com](http://www.nautiluslifeline.com) for more details.

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## SPECIFICATIONS

**NOTE:** Product specifications and features are subject to change without notice.

<b>Size &amp; Weight</b>	
Weight	9.88 Oz (280 g)
Dimensions	2.6" w x 5.72" h x 1.8" d
<b>Power &amp; Battery</b>	
Supply Voltage	3.7V DC
Battery Capacity	1850 mAh Li-on
Maximum RF Power	1.85 Watts + 0dB / -3.5dB
Average Operating RF Power	1 Watt
Maximum Deviation	+/- 5KHz
AF Output	400 mW @ 8 Ohms for 10% THD
<b>GPS Radio Communication Range</b>	
GPS Module	Jupiter 3GPS
DSC Range	12.5km / 8 miles
Voice Communication Range	4-5 miles
Antenna Connector	SMA
Antenna Impedance	50 Ohms
Average Operating RF Power	1 Watt
Frequency Stability	+/- 10ppm
Frequency Range	156.025 MHz – 157.425 MHz
Channel Spacing	25 KHz

NOTE: Product specifications and features are subject to change without notice.

**DECLARATION OF CONFORMITY**

Address:  
Unit# 1129 - 11871 Horseshoe Way  
Richmond, BC  
V7A 5H5  
Canada



**DECLARATION OF CONFORMITY**

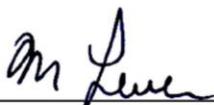
Nautilus Lifeline Ltd. hereby declares under our sole responsibility that the product to which this declaration relates is in compliance with all the applicable essential requirements, and other provisions of the European Council Directives listed. This product will bear the CE Mark label (CE).

<b>Manufacturer:</b>	Nautilus Lifeline Ltd.	<u>Authorized representative name:</u>
<b>Product Name:</b>	Nautilus Lifeline	Danny Denk Design
<b>Product Model:</b>	Diver	<u>Address:</u>
		Farbholz 1
		74579 Fichtenau
<b>Directives:</b>	2004/108/EC (EMC Directive) 1999/5/EC (R&TTE Directive)	

Product compliance has been demonstrated on the basis of:

**Standards:**

- EN 301 178-1 V1.3.1 (2007)
- EN 301 178-2 V1.2.2 (2007)
- EN 301 843-1 V1.2.1 (2004)
- EN 301 843-2 V1.2.2 (2004)
- EN 301 489-1 V1.9.2 (2011)
- EN 60945:2002
- EN 60950-1:2006
- IEC 61000-4-3 (2008)
- IEC 61000-4-2 (2008)
- IEC 62209-2 (2010)

  
\_\_\_\_\_  
**Signature**  
**Name**  
**Title**

Dec. 21, 2011 Vancouver  
**Date** **Location**

**The technical construction file is kept available at:**  
Company Name  
Address  
Tel. / Fax / Website



Allowed for use in countries FR

Download CE documentation at [Nautiluslifeline.com/support](http://Nautiluslifeline.com/support)

NOTICE: This device is a class 2 device, and must be registered through the proper local authorities where required. Any registration pertaining to this radio must refer to it as a class 2 device.