

OPERATIONS MANUAL

Model: DIVER

**DOMESTIC USE OF THIS RADIO IN MOST COUNTRIES REQUIRES A RADIO OPERATORS CERTIFICATE
CHECK WITH YOUR LOCAL AUTHORITIES BEFORE USING THE LIFELINE
THE LIFELINE CAN BE USED IN AN EMERGENCY ANYTIME, ANYWHERE IN THE WORLD**

1. LifeLine must be charged to 100% before first use.
2. LifeLine (RED) button is not functional until an MMSI number is entered.
3. Splash proof in all sea conditions when upper cap is open.
4. Avoid submerging your LifeLine with the upper cap open.
Speaker performance will be temporarily affected.
5. The LifeLine will not get a GPS lock inside a building.

Web: www.nautiluslifeline.com
Email: info@nautiluslifeline.com
Phone: 001-604-241-1918

Nautilus LifeLine DIVER

CE 1177 

AT	DE	GB	MT	BE	GR	IS	NL
CY	HU	LI	PL	CZ	IE	NO	PT
DK	IT	CH	SK	EE	LV	BG	SI
FI	LT	RO	ES	FR	LU	TR	SE



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

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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: Channel 16, the international hail and distress channel.

 Before first use, be sure to charge your Nautilus LifeLine battery to 100%. Additional features are available once your LifeLine unit is registered using the Nautilus LifeLine desktop software which you can download from the Nautilus LifeLine website at: <http://www.nautiluslifelinesetup.com>. Connect your unit to your computer using the included USB cable and run the desktop software in order to register your warranty, activate distress mode, and enter a Maritime Mobile Service Identity (MMSI) number. See [Register Your Nautilus LifeLine](#).

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 features of your LifeLine and understand the safe and proper way to use it.

 **WARNING:** Identifies conditions that could result in personal injury or loss of life, or cause damage to your Nautilus LifeLine.

 **IMPORTANT:** Indicates issues that may have regulatory or legal implications.

 **NOTE:** Information that is important to proper assembly, operation, or maintenance of your Nautilus LifeLine.

IMPORTANT SAFETY CONSIDERATIONS

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

USAGE IN NORTH AMERICA - 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 radiate 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 by one or more of the following measures:

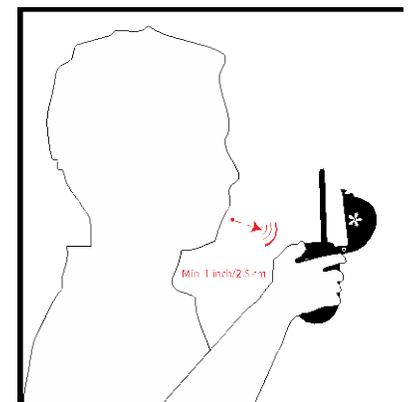
- Increase the separation between the equipment and receiver.
- Connect the equipment to a different electrical circuit from the receiver.
- Consult the dealer or an experienced marine electronics technician for help.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
- Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules.

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).

 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.

Minimum distance: 1 inch / 2.5 cm



OPERATOR WARNINGS

 Unauthorized use, changes, or modifications to the Nautilus LifeLine may result in violations of FCC Rules.

 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.

 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 others communicating, 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).

LICENSING

You need a license to operate your handheld VHF radio in most countries. 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 local authorities before using your Nautilus LifeLine in another country.

See [Country Specific Regulations and Certifications](#) for information about regulations or certifications that are required by certain countries. As this information may change, please check our support page at <http://www.nautiluslifeline.com/support> for the most up-to-date information regarding certification requirements in different countries.

USAGE IN THE EUROPEAN UNION

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

COUNTRY SPECIFIC REGULATIONS AND CERTIFICATIONS

To operate a VHF marine radio with DSC in most countries, a Short Range Certificate, SRC, is required.

 The information published here is accurate at the time of publishing but does not include specific regulations from all member states. Check with your local authorities regarding the use of VHF marine radios with DSC in your country and whether additional certification is required.

Canada: A Radio Operator's Certificate is required to operate a VHF marine radio in Canadian waters. Please see the Transport Canada website regarding "Radiocommunications" and the Frequently Asked Questions there for more information about obtaining a Radio Operator's Certificate – Maritime Commercial.

United States of America: The US is currently the only country that allows use of a handheld radio for recreational use without a Radio Operator's Certificate.

European Union: In the EU, the Nautilus LifeLine Radio for Divers is a class 2 device. Not all frequencies in the EU are harmonized throughout the Community, and users are advised to select their country or region of diving to ensure the correct channels are available.

Regulations regarding the use of VHF frequencies are different between EU member states. Nearly all member states require additional certification to use a VHF radio with DSC such as a VHF Operators' Licence, a Short Range Certificate, or similar. Check with local authorities before using VHF marine frequencies.

Germany: An SRC (Short Range Certificate) is required to operate a VHF marine radio in Germany. Documents regarding certification requirements and regulations for mobile radiotelephone service at sea and on inland waterways can be found on the website of the German Federal Network Agency at <http://www.bundesnetzagentur.de/seefunk/>.

France: A CRR or a pleasure boat license (permis de conduire les bateaux de plaisance) is required to operate a VHF marine radio in France. Use of DSC on rivers and inland waterways is prohibited in France.

Documents and information regarding certification requirements and regulations for Marine Radio in France can be found at: <http://www.anfr.fr/fr/autorisations-certificats/radiomaritime.html>. You can find information regarding Restricted Radiotelephone Operator Certificate (CRR) courses and examinations.

Australia: A Radio Operator Certificate (MROVCP) is not required to use a handheld VHF radio with DSC when diving from a boat where the boat operator is qualified. A certificate is still required for a diver who is not operating from a boat, such as in shore diving.

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 similar to a telephone number to identify the user.

 Your Nautilus LifeLine is not fully functional unless an MMSI number has been entered. The Red Button will not be enabled. Many countries (but not all) allow use of MMSI numbers. You must apply to your local authorities to obtain an MMSI number.

 You must have legal permission to use an MMSI number.

To enter your MMSI number, see [Register Your Nautilus LifeLine](#) in this manual. International regulations require that you contact the manufacturer to change your MMSI. This can be done by contacting our technical support team. Please visit http://www.nautiluslifeline.com/support_troubleshooting for full details.

In the United States, visit: <http://www.boatus.com/mmsi> or http://www.seatow.com/boating_safety/mmsi.asp or <http://www.usps.org/php/mmsi/rules.php>

In Canada, visit: <http://www.ic.gc.ca/eic/site/sd-sd.nsf/eng/00009.htm> and fill out the form labelled "**Annex I**" to apply for and register for an MI number. An MI number is identical to an MMSI number in function but is for handheld radios that are not specific to any vessel.

In the United Kingdom, visit: <http://licensing.ofcom.org.uk/radiocommunication-licences/ships-radio/faq/759544> to apply for an MMSI number.

In the European Union, you must apply for a Call Sign and MMSI number from the Federal Network Agency responsible for the assignment of numbers in your country.

In Germany, you must apply for a Call Sign and MMSI number from the Federal Network Agency, branch Hamburg <http://www.bundesnetzagentur.de/seefunk> under the heading "Seefunk/Binnenschiffahrtfunk" using the form: "Antrag auf Nummernzuteilung Sportschiffahrt (pdf)". Be sure to select "portable radio equipment" > "for handling of radio communication and DSC", "tragbare Funkanlage" > "zur Abwicklung von Sprechfunk und DSC".

The BNA is currently of the opinion that an assignment of numbers to persons (whereas it should correctly read "maritime radio equipment") without direct relation to a maritime or ship station is not possible in Germany while a detailed justification is not made. This is likely because in the respective international rules the term "Ship Station License" is used which simply did not consider a newly designed apparatus such as the Nautilus LifeLine DIVER.

It could be beneficial if as many users of the Nautilus LifeLine DIVER as possible request a number assignment for this unit at the Federal Network Agency to prove the necessity of a separate number allocation for handheld devices.

In France, you must apply for a ship station licence (Call Sign) and MMSI number from the National Frequency Agency (ANFR)

<http://www.anfr.fr/fr/autorisations-certificats/radiomaritime.html> using the form: "Demande de Licence et MMSI" (pdf)

ANFR will not likely assign an MMSI number to a person because they are not a "ship station". This is due to an interpretation of recommendations that did not consider a device like the Nautilus LifeLine DIVER.

It could be beneficial if as many users of the Nautilus LifeLine DIVER as possible request a number assignment for this unit from the Agence Nationale des Fréquences (ANFR) to prove the necessity of a separate number allocation for handheld devices.

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 DIVER
- 1 USB adapter cable
- 2 USB port covers (one spare)
- Clip (attached to unit)
- Antenna (installed on unit)
- Quick Start Guide

If any of these items are missing, contact your dealer or our [Customer Support team](#).

OPTIONAL ACCESSORIES

The following optional accessories are available for the Nautilus LifeLine:

- DIVER Pouch
- Spare DIVER O-rings, USB caps, and USB cables
- Extended Warranties

These accessories are available at <http://www.nautiluslifeline.com>, by [contacting customer support](#), or check with your local dealer to place an order.

HOW THE RADIO AND GPS WORK

Very High Frequency Radio (VHF): VHF radio is the most common method of communication between boats. As such, 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): DSC is 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 VHF radio. This function is primarily for emergency use but can be configured for non-emergency use as well.

Global Positioning System (GPS): GPS is 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.

Maritime Mobile Service Identity (MMSI): An MMSI is a nine-digit number used on marine radios like your Nautilus LifeLine that are capable of using digital selective calling (DSC). It is used like a telephone number to selectively call other vessels.

To obtain an MMSI number, go to our support page <http://www.nautiluslifeline.com> for information about registering for an MMSI in different countries. To enter your MMSI number, see [Register Your Nautilus LifeLine](#).

CONTROLS AND FEATURES

Front of Unit

Latch

Polycarbonate Housing: Waterproof protection to a depth of 425 feet (130 meters) so that 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.

Charging Light: A green light illuminates when the LifeLine is being charged.

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

Position Indicating Light: Flashes during distress mode to indicate diver position: especially useful after sunset.

LCD Display: Shows GPS position, 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.

Top of Unit with Cap Open

Safety Tab: Protect the LifeLine button from being pressed unintentionally.

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

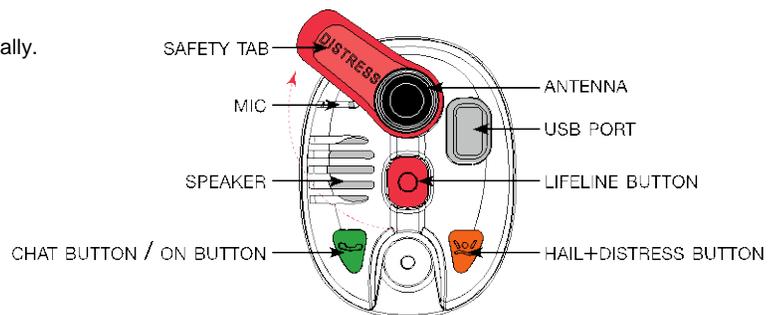
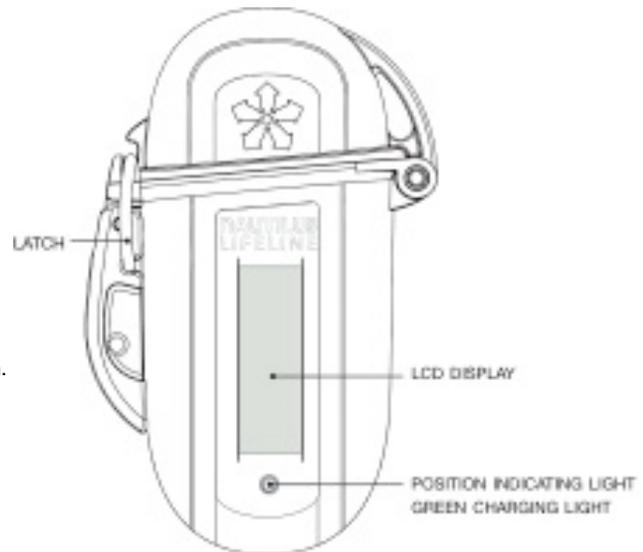
Speaker / Microphone: Splash-proof and functional in all sea conditions. Do not submerge. If incoming transmissions are muffled, hold unit upside down and gently tap on speaker grill to dislodge trapped or standing water.

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

Hail + Distress Button: Talk to every boat within range on channel 16, the universal hail and distress channel on every marine radio worldwide.

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.

USB Port: For recharging the battery and connecting to the LifeLine desktop software on your computer to change advanced settings or download a GPS log of dive sites.



BEFORE YOU START

Your unit is ready for immediate use as a marine VHF radio and GPS. You can talk on the radio using:

Chat Button: Pre-set to channel 68 or adjustable to any marine VHF frequency

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

Check the Unit

Check the O-ring carefully for dust or contaminants before submerging the unit. Applying a very sparing application of silicone grease can be beneficial.

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 a 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 the unit to 100%.
5. Once your Nautilus 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.

Install the Desktop Software

In order to activate all applicable features, you will need to download the desktop software from the Nautilus LifeLine website and install it to activate all functions. To download and install the Nautilus LifeLine desktop software on your computer:

Windows Users:

1. Download the Windows software from <http://www.nautiluslifelinesetup.com> and run Lifeline-Setup.exe.
2. Follow the instructions and plug in your LifeLine with the USB cable when you are prompted to do so.
3. Windows may ask if you want to install a Device Driver from Nautilus LifeLine Ltd; choose "Install" 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. If you have previously installed the LifeLine desktop software you may not need to re-install the device driver.
4. Once installed, run the desktop software with your Nautilus LifeLine plugged into your computer.
5. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit.

Mac Users:

1. Download the Mac software from <http://www.nautiluslifelinesetup.com> and mount the disk image "Lifeline-Setup.dmg".
2. Drag NautilusLifeline.app to the Applications shortcut. You may also double click the "Add to Dock" icon to add a shortcut to your Dock.
3. Run the desktop software and plug your Nautilus LifeLine into your computer.
4. When finished, disconnect the USB cable and carefully replace the cover over the USB port on the unit.



Running the LifeLine desktop software in virtual environments such as Parallels, VMWare, VirtualBox, or other virtualization technologies will not enable you to connect to your LifeLine. Communication between the Nautilus LifeLine device and the virtual computer will not work.



On Mac OS X 10.8 Mountain Lion you may be warned that this application is from an Unidentified Developer and be prevented from running it by Apple Gatekeeper software. Please see the following Apple support page: <http://support.apple.com/kb/HT5290> for information on how to allow this application to run. See the section: "If you are confident the app downloaded from the Internet is the latest version and is from a source you trust" for relevant information.



Firmware updates are currently not possible using a Mac. Please use a Windows PC (or borrow a friend's PC) to update your firmware if you are prompted to do so. If you are unable to find a PC, see our support section for information about using our Live CD to upgrade firmware.

Register Your Nautilus LifeLine

You will need to use the Nautilus LifeLine desktop software to register your unit and to validate your warranty.

1. Make sure the unit is connected to the computer with the USB cable.
2. Open the Nautilus LifeLine desktop software on your computer. If your LifeLine is not registered the Registration form will be displayed after 10 seconds when the software connects to your LifeLine. You can also open the Registration form from the Updates > Software Settings tab by clicking on "Update Registration".
3. Follow the instructions for validating your warranty. Be sure to accurately fill out the required fields and carefully read the Limited Liability.

After Registration, enter your MMSI number

1. Select your region.



Your unit must be set to the country where you are using it. If you travel to a different country make sure to choose the correct dive region on your LifeLine before you dive to ensure the channels available are correct for your location.

- If you have already obtained an MMSI number, be sure to enter the 9-digit number correctly. For information on obtaining an MMSI number, go to <http://www.nautiluslifeline.com>.



You must enter an MMSI number to have full use of the distress mode and DSC capabilities. You can only enter your MMSI number once, and you can only enter one MMSI number. If you need to change the MMSI number for any reason, contact Nautilus LifeLine to reset the MMSI on your LifeLine. See [Customer Support](#) for our contact information.

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

GETTING STARTED

Open the Cap



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, speaker volume may be temporarily affected until it has been cleared of water; hold the LifeLine upside down and gently tap on the speaker grill to dislodge trapped water. No other functions are affected. When the cap is closed, the unit is submersible to 425 feet (130 meters).

Extend the Antenna

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



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.

Power 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, orange or red button once. The LifeLine takes about 1 second to power up. Once your unit is turned on, you will see information displayed on the screen.

If your LifeLine has an MMSI programmed in, you will see "LIFELINE HW: 1.nn, FW:1.NN" where NN and nn are any two digits, then you will see the MMSI and Serial Number of the unit, then you will go to the main screen.

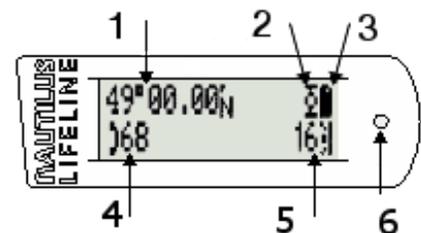
If your LifeLine does not have an MMSI number entered, you will see "LIFELINE HW:1.nn FW:1.NN", the unit will beep several times and display "NO MMSI SET – NO DISTRESS MESSAGE", pressing either button will move to the next screen that says "USE DESKTOP SOFTWARE TO SET MMSI", after which pressing either button will take you to the main screen.

The home screen will show "GPS:Search" and will automatically start to acquire your latitude and longitude position. When your GPS position has been acquired, it will show "----" where ---- is your GPS Latitude position. Press the Green button to toggle between Latitude, Longitude, and GMT time denoted with a "z".



You will not get a GPS "lock" indoors. You must have an unobstructed view of the sky to obtain your GPS position.

- GPS Coordinates North
- Satellite icon, alternates with an "!" when GPS position is not yet acquired
- Battery level
- Chat (Green button) channel
- Hail + Distress (Orange button) channel
- Position Indicating Light



When the unit is turned on for the first time, triangulation may take longer than normal. The next time, the GPS will take less time to lock. We recommend turning on your radio when arriving at a new dive destination so it acquires an accurate position.

USING THE RADIO

Important Note about Simplex and Duplex Channels



Some channels supported by the Nautilus LifeLine are Simplex channels and some channels are Duplex channels. Duplex channels transmit and receive on **different frequencies**. Duplex channels **will not work** when trying to communicate between two LifeLines or between a Lifeline and another radio UNLESS there is a repeater station on shore within radio range of the transmitting radio. A repeater will "repeat" transmitted messages from the transmit frequency onto the "listening" frequency so other radios offshore can also hear the message, and respond to them. Without a repeater you are unable speak to another handheld or boat-mounted radio on a Duplex channel.

Simplex channels will work between two LifeLines with no repeater necessary. To use a LifeLine to talk to your dive buddies or dive boat, please ensure you have selected a Simplex channel for the Green Chat Button.

For information about which channels are Simplex or Duplex, please see the <http://www.nautiluslifeline.com/support-channel> on our website.

Chat to Other Boats or Divers

Use the Green Chat Button to talk to your dive boat or other divers.

1. Press and hold the Chat Button. The radio will switch to transmit mode when the channel is clear and will continue to transmit while you hold the button down.
2. Talk clearly into the speaker / microphone area of the radio. When you are transmitting, the screen shows the channel it is transmitting on and the letters "TX".
3. When finished transmitting, release the button. You must release the button in order to listen to incoming transmissions. Transmission will automatically stop after 20 seconds if you have not yet released the button to prevent the LifeLine from blocking the channel.



The Green Chat Button channel is not available at low battery power levels. Your LifeLine is programmed to reserve power for emergency transmissions so it prevents voice communication at lower battery levels. While transmitting on a voice channel, the LifeLine cannot receive a call. The default chat-off battery percentage is 40% but this can be adjusted using the LifeLine desktop software software.

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.

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 it is transmitting on and the letters "TX". Wait until you see "TX" before speaking.
3. When finished transmitting, or in order to listen for a response, release the button. Transmission will automatically stop after 30 seconds, or when you release the button to prevent the LifeLine from blocking the channel.



While transmitting a voice call, the radio cannot receive a call. Software in the unit prevents you from accidentally jamming the channel.

TRANSMITTING A DISTRESS MESSAGE

Use distress mode to transmit a distress message and indicate your GPS position and alert message to stations within range that are equipped with a modern VHF marine radio capable of receiving DSC messages.



Regulations regarding use of the distress mode vary in different countries. Contact local authorities before using this function.



This feature is not activated until you have entered an MMSI number using the LifeLine desktop software software. Please visit <http://www.nautiluslifeline.com> to download the latest LifeLine desktop software for your Mac or Windows PC.

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. The LifeLine will beep while you are holding the Red button down.

You can also enable Distress Mode from the Messages menu:

1. Press the Orange button once to enter the menu
2. Press the Green button 3 times to get to the Messages menu
3. Press the Orange button once to enter the Messages sub-menu
4. Press the Orange button to select Start Distress
5. Press the Orange button again to Confirm activation of Distress Mode



Distress mode is available as long as there is any battery charge remaining.

With successful activation, the Position Indicating Light starts flashing and the screen shows the message "distress mode on."

When stations within range receive your distress messages they will automatically switch to channel 16, alarms will sound, lights will flash, and your GPS coordinates and a brief message will be shown on the screen of each radio.



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.

What does the Distress Cycle do?

When Distress Mode is enabled, the unit begins by looking for a GPS position. Once the device has a lock, or 45 seconds have passed, the device will beep to let you know that it is going to transmit in 10 seconds. A countdown will show on the LCD display. The device will then transmit 5 messages in 10 second intervals. For best results, hold the LifeLine high above your head to ensure the transmitted radio signal increasing the distance it is transmitted. VHF radio signals are "line of sight" so the higher you hold your LifeLine, the farther away the message can be received by a ships antenna. This process will be repeated at 3.5 – 4.5 minute intervals until Distress mode is de-activated manually by the user, automatically when a valid Distress Acknowledge message has been received, or when the battery is completely exhausted.

For the first 30 minutes of the Distress Mode, the device will remain “awake” between transmissions to provide more chance of receiving a Distress Acknowledge message or a voice communication on channel 16. After 30 minutes, the device will put itself to sleep between Distress Alert transmissions to conserve battery power. This is the expected behaviour. The LifeLine will wake itself up again after 3.5 – 4.5 minutes to transmit the next round of Distress Alert messages.

Turn Distress Mode Off

1. Press the Orange button once to enter the Distress Mode menu
2. Press the Orange button again to select “Cancel Distress”
3. Press the Orange button a third time to confirm, and to begin the Distress Cancel process
 - a. The distress cancel process will transmit three Distress Acknowledge messages in 10 second intervals informing other radios that the distress mode has been canceled for your MMSI number.
4. Press and hold the Orange button to transmit on channel 16 and “Distress Cancel for MMSI _____”, followed by your MMSI number.

The distress mode will also terminate when a valid Distress Acknowledge message is received from another DSC enabled radio.



You may be fined for transmitting false distress messages. Remember to turn distress mode off if you are not in a state of distress, as it will continue to broadcast emergency messages until Distress Mode is de-activated or the battery is completely drained.

USER INTERFACE DETAILS

Firmware 0.97 – 1.02 and newer introduced significant changes from previous firmware versions. Menu operation has been improved making it more intuitive to operate. DSC distress mode activation, performance, and de-activation have changed. More DSC message types have been added. Weather (WX) channels are now available in the USA and Canada. Icons have been created to denote the buttons, GPS status, and messages.

The following sections describe the menu structure and how to operate the main menu as well as step by step instructions on how to operate features of the LifeLine using the menu.

Button Press Information

The following convention is used throughout this manual when describing the use of buttons:

“Press”, means press and immediately release within 1 second, the radio will beep

“Press and hold” means press and hold for 1 second or more, the radio will beep if you were in the menu

Pressing either the Green or Orange button for longer than 1 second will exit any menu and start to transmit

Using the Main Menu

When the radio is on, the main menu can be used to adjust settings, status information, and features. To operate the menu when the device is on:

- From the main screen, press the Orange button to enter the Main Menu
- Press the Green button to move through menu items
- Press the Orange button to select a menu item or enter a sub-menu
- Press the Green button to move through sub-menu items
- Press the Orange button to select a sub-menu item
- Press the Orange button to change settings up, OR the Green button to change settings down
- Press and hold the Orange or Green button for 1 second to save a setting and exit the menu

MAIN MENU STRUCTURE

Chat Channel - Change the Green Button chat channel

Squelch - Change the radio squelch setting

Volume - Change the radio speaker volume

Messages - Digital Selective Calling (DSC) message features are available

- **Start Distress** - Start DSC distress mode
- **Received: NN new** - Access and read DSC messages stored on the radio
- **TX Group Chat** - Transmit a Group Chat DSC message to the selected group
- **TX Indiv. Chat** - Transmit an Individual Chat DSC to the selected group
- **TX Pos. Report** - Transmit a DSC Position Report to the selected group
- **TX Pos. Request** - Transmit a DSC Position Request to the selected group
- **TX Test Call** - Transmit a DSC Test Call message to the selected group

Status - See the current state of location, time, and other information about the radio

Settings

- **Sleep timeout** - How long in minutes the unit will stay awake with no buttons being pressed
- **Voice timeout** - How long the Orange button channel will transmit before it automatically halts transmission
- **Chat cutoff %** - Percentage battery charge below which voice chat on the Green button will be disabled to preserve battery life
- **Screen Contrast** - LCD screen contrast

Procedures

- **Self Test** - Run through the self-diagnostic test to ensure the LifeLine is in working order for diving; recommended prior to each dive trip
- **Distress Simulation** - Run a simulated distress cycle but do not transmit distress messages
- **SOS Flash** - Flash SOS using Morse code on the LED light

LIFELINE ICONS

Icons have been created to approximate their intended use.

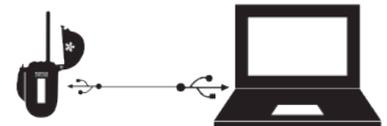
- Orange Hail + Distress icon
- Green Chat icon
- Battery icon fills based on charge level
- New message received, or message not read
- Down arrow, more to read
- Satellite icon, when GPS lock is not yet acquired this alternates with an exclamation mark

Some examples of the icons in use are shown here:

<p>1) Greenwich Mean Time, denoted with a “z”</p> <p>2) Transmitting “TX” on channel 16, Orange button</p>	<p>1) GPS Coordinates West</p> <p>2) Transmitting “TX” on channel 68, Green button</p>

SELECTING AND ADJUSTING SETTINGS ON THE COMPUTER

You can select and adjust LifeLine settings on the computer or on the unit; see [Selecting and Adjusting Settings on the Unit](#) below.



To use the included desktop software on your computer:

1. Connect your unit to the computer using the USB cable.
2. Run the Nautilus LifeLine desktop software. For information on downloading and installing the desktop software, see [Install the desktop software](#).
3. Change the settings on your Nautilus LifeLine from your computer using the desktop software. The latest operating instructions are always available online at http://www.nautiluslifeline.com/support_software_readme.

From the desktop software, you can:

1. Register your LifeLine to activate your warranty and ensure you are notified about important firmware updates
2. Upload GPS Points: Upload your points to our custom Google maps interface
3. Share GPS Points: Share your recent GPS points using social media or email
4. Group Call: Set up group call or Individual MMSI numbers
5. Buried Treasure: Set up a long power-off time to mark underwater sites – LifeLine must be at the surface to acquire GPS signal
6. Customize Settings: Set your volume, squelch, timeout, and MMSI number or customize your chat channels
7. Perform software and firmware updates to access the latest features and performance improvements
8. Read and delete DSC messages stored in your devices memory

When finished with the desktop software, disconnect the USB cable and carefully replace the cover over the USB port on the LifeLine.

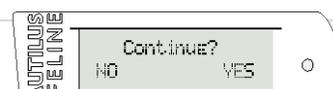
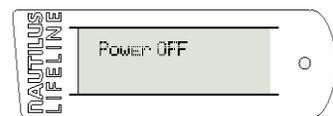
Firmware updates are currently only available on Windows PCs. Firmware updates on Mac are only possible by booting from our Live CD which you can find on our http://nautiluslifeline.com/support_troubleshooting_mac page.

SELECTING AND ADJUSTING SETTINGS ON THE UNIT

When changing settings on the device other than channels, volume, or squelch the new settings will not become active until the device has been reset by pressing all three buttons at once until the screen goes blank and the device restarts.

Power Off

If no buttons are pressed for more than 5 minutes while your unit is on, it automatically turns off. You can change this power-off time using the desktop software on your computer, or from the main menu under Settings > Sleep timeout.



1. Press the Orange button to enter the main menu
2. Press the Green button 7 times to get to "Power Off"
3. Press the Orange button to select "Power Off"
4. Press the Orange button again to confirm that you would like to turn the device off

Reset the Radio – Three-Button Reset

To perform a hard-reset on the Nautilus LifeLine, press the Green, Orange, and Red Buttons at the same time for about 1 second. The screen will momentarily go blank and the LifeLine will start up again.

Chat Channel

Your Nautilus LifeLine supports most commonly used VHF channels. The Green Chat Button is pre-set to channel 68.

1. Press the Orange button to enter the main menu
2. Press the Orange button again to enter the Channel selection screen
3. Press the Orange button repeatedly to scroll up through the available channels
4. Press the Green button repeatedly to scroll down through the available channels
5. Press and hold either the Green or Orange button for 1 second to select the currently visible channel and return to the main screen

Squelch

Squelch is used to eliminate static and background noise between transmissions and allows silent operation of the radio until a transmission is received. Your LifeLine comes from the factory preset to auto squelch adjustment. On this setting, you should never need to worry about squelch. To manually change the squelch use the LifeLine desktop software and select "Manual" from the Squelch Adjustment dropdown box. You can then adjust the squelch from the menu:

1. Press the Orange button to enter the main menu
2. Press the Green button once to get to Squelch
3. Press the Orange button to enter the Squelch selection mode
4. Press the Orange button to increase the Squelch threshold and make the receiver less sensitive to radio signals
5. Press the Green button to decrease the Squelch threshold and make the receiver more sensitive to radio signals
6. Repeat 4 or 5 as needed to get to the desired Squelch setting
7. Press and hold the Green or Orange button for 1 second or more to save the Squelch level and exit the menu

Volume

1. Press the Orange button to enter the main menu
2. Press the Green button 2 times to get to the Volume option
3. Press the Orange button to enter the Volume selection screen
4. Press the Green button as needed to decrease the Volume to the desired level
5. Press the Orange button as needed to increase the Volume to the desired level
6. Press and hold either the Green or Orange button to save the Volume level and exit the menu

Messages

DSC Messages can be read and sent from the Messages sub-menu. All ships and many modern VHF radios are equipped with Digital Selective Calling. Digital Selective Calling enables radios to communicate using digitally encoded messages that do not require voice communication. These messages may be more likely to reach the intended party when voice communication is not possible, or is not able to be heard.



DSC – Digital Selective Calling is not possible unless you have programmed an MMSI number into your Nautilus LifeLine radio. An MMSI number acts like a phone number, in that it identifies the source and the destination of any message sent. See [Maritime Mobile Service Identity](#) in this manual.



You can choose to send a DSC message "To Me", "To G1", "To G2", or "To G3" as the destination for a DSC message. G1, G2, and G3 are the three Group MMSI numbers you can program through the Desktop Software "Group Call" tab, while "To Me" is the MMSI number of the device itself. This can be used if you have programmed your own boats MMSI number or the MMSI number of a dive/charter boat.

To Access the Messages sub-menu:

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. You will see the "Start Distress" menu option



Hold the radio as high above your head as possible when sending DSC messages to get the best range for your transmitted message.

Start Distress

From the Messages sub-menu you can enable the Distress Mode:

1. Press the Orange button to select "Start Distress"
2. Press the Orange button to "Confirm Distress"
3. Your radio will now begin the Distress Cycle. See ["What does the Distress Cycle do?"](#) earlier in this manual

Received: NN new

The "Received" sub-menu option will tell you the number of DSC messages received by the radio that have not been read by the user. Up to 20 of the most recent messages sent and received will be stored by the Nautilus LifeLine. Note that the Nautilus LifeLine keeps a copy of each message it sends as well as a copy of messages it receives. Messages sent by the radio are not included in the number of unread messages.

To read saved DSC messages:

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 1 time to get to Received
5. Press the Orange button to enter the list of received messages
6. Press the Green button to move through the list of received messages
7. Press the Orange button to select a specific message and see its details
8. Press the Green button to move down through the details of the DSC message, OR
9. Press the Orange button to skip to the end of the message and see the available actions for the given message

The first line specifies the numeric index of the message within the radio, as well as the message type stored.

01: *Message Type*

DT: Date, in YYYY-MM-DD format

TM: GMT time in HH:mm:ss format

TO: The MMSI number to which the message was sent

FM: The MMSI number of the radio that sent the message

LA: The latitude position, if applicable

LO: The longitude position, if applicable, in degrees, minutes, and minutes decimal

CH: The channel to which the receiving radio was requested to change

The final line provides options based on the given message type. The options are:

- Reread (green button): Return to the first line and read the message details again
- Clear (orange button): Clear the "unread" status from the message and move to the next message
- No (green button): Decline a requested channel change and return to the main screen
- Yes (orange button): Confirm a requested channel change, automatically tune to the specified channel, and return to the main screen

TX Group Chat

MMSI numbers can be used to designate an individual radio or a group of radios depending on the format of the digits. A Group MMSI has a specific format and multiple radios can be part of the same group. Group MMSI numbers can only be programmed into the Nautilus Lifeline using the Desktop Software on the Apps > Group Call tab. You can set up to three Group MMSI numbers in your LifeLine.

A Group Call message will specify to other radios in the same group that you would like to change to a different frequency for voice communication. Your MMSI number and the Green button Chat channel will be sent to radios that receive the DSC message. It is up to the receiving party whether they will switch to the specified channel or not. No acknowledge response is sent when a Group Call message is received.

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 2 times to get to TX Group Chat menu item
5. Press the Orange button to select TX Group Chat
6. Press the Green button as needed to choose the Group MMSI you would like to send the message to
7. Press the Orange button to select the Group and send the message

The LED will strobe once after a DSC message is sent and the LifeLine will return to the main screen.

TX Indiv. Chat

An Individual Chat message enables different behaviour in receiving radio(s) than a Group Chat message. While a Group Chat message can be received by any radio with the Group MMSI, only the radio with the specific MMSI number will receive an Individual Chat message. A receiving radio can also send a response when it receives an Individual Call to confirm or decline the channel change requested. This response will be sent to the radio that sent the original Individual Call message.

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 3 times to get to TX Indiv. Chat menu item
5. Press the Orange button to select TX Indiv. Chat
6. Press the Green button as needed to choose the MMSI you would like to send the message to
7. Press the Orange button to select the MMSI number and send the message

TX Pos. Report

A Position Report message will send your GPS coordinates and the current time to a selected radio. Like individual chat messages, Position Reports are sent to an individual MMSI number. No acknowledgement is sent when a Position Report message is received. If your LifeLine does not have a current GPS position locked the radio will send a specific sequence informing the receiving radio that the position is not known.

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 4 times to get to Position Report
5. Press the Orange button to select Position Report
6. Press the Green button as needed to choose the MMSI you would like to send the Position Report to
7. Press the Orange button to select the MMSI number and send the message

TX Pos. Request

A Position Request message will request the position from another radio. The radio from which the position is requested will automatically send a Position Report message as a response to a Position Request.

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 5 times to get to TX Pos. Request
5. Press the Orange button to select TX Pos. Request
6. Press the Green button as needed to choose the MMSI you would like to send the Position Request to
7. Press the Orange button to select the MMSI number and send the message

TX Test Call

A Test Call message can be used to verify that the radio is able to transmit and receive DSC messages. A Test Call message is sent to an individual MMSI number and will trigger a response from the radio to which it was sent.

1. Press the Orange button to enter the main menu
2. Press the Green button 3 times to get to Messages
3. Press the Orange button to enter the Messages sub-menu
4. Press the Green button 6 times to get to TX Test Call
5. Press the Orange button to select TX Test Call
6. Press the Green button as needed to choose the MMSI you would like to send the Test Call to
7. Press the Orange button to select the MMSI number and send the message

Status

View information about the current state of the Nautilus LifeLine such as the MMSI, Latitude, Longitude, Time, Battery State, GPS Search state, Serial Number, Firmware and Hardware version, Service (Error) code, and DSC status.

1. Press the Orange button to enter the main menu
2. Press the Green button 4 times to get to Status
3. Press the Orange button to enter the Status sub-menu
4. Press the Green button to move through the Status values

Settings

Some additional settings can be changed using the menu.

Sleep Timeout

Sleep Timeout is the number of minutes the device will stay on with no buttons being pressed. The factory default will have a LifeLine go to sleep after 5 minutes of inactivity.

1. Press the Orange button to enter the main menu
2. Press the Green button 5 times to get to Settings
3. Press the Orange button to enter the Settings sub-menu, showing Sleep Timeout as the first sub-menu entry
4. Press the Orange button to select Sleep timeout
5. Press the Green button to decrease the Sleep timeout, specified in minutes; repeat as needed to get to the desired number of minutes
6. Press the Orange button to increase the time before the device will "sleep"; repeat as needed to get to the desired number of minutes
7. Press and hold the Green or Orange button for 1 second or more to save the Sleep Timeout setting and exit the menu

Voice Timeout

Voice Timeout is the number of seconds the radio will transmit for before the LifeLine will end transmission while holding down either the Green or Orange button.

1. Press the Orange button to enter the main menu
2. Press the Green button 5 times to get to Settings
3. Press the Orange button to enter the Settings sub-menu, showing Sleep Timeout as the first sub-menu entry
4. Press the Green button once to get to Voice Timeout
5. Press the Orange button to select Voice timeout
6. Press the Green button to decrease the Voice timeout, in seconds; repeat as needed to get to the desired number of seconds
7. Press the Orange button to increase the time before the radio will end transmission; repeat as needed to get to the desired time
8. Press and hold the Green or Orange button for 1 second or more to save the Voice Timeout and exit the menu

Chat Cutoff %

This is the percentage of battery power below which chatting on the Green button channel will be disabled to preserve battery power for a Distress situation. The factory default setting is 40%, which means the Green button is disabled for voice communication when the battery drops to 40% charge.

1. Press the Orange button to enter the main menu
2. Press the Green button 5 times to get to Settings
3. Press the Orange button to enter the Settings sub-menu, showing Sleep Timeout as the first sub-menu entry
4. Press the Green button 2 times to get to Chat Cutoff %
5. Press the Orange button to select Chat Cutoff %
6. Press the Green button to decrease Chat Cutoff %; repeat as needed to reach the desired battery power, OR
7. Press the Orange button to increase the Chat Cutoff %; repeat as needed to reach the desired battery power
8. Press and hold the Green or Orange button for 1 second or more to save the Chat Cutoff % and exit the menu

Screen Contrast

1. Press the Orange button to enter the main menu
2. Press the Green button 5 times to get to Settings
3. Press the Orange button to enter the Settings sub-menu, showing Sleep Timeout as the first sub-menu entry
4. Press the Green button 3 times to get to Screen Contrast
5. Press the Orange button to select Screen Contrast
6. Press the Green button to decrease Screen Contrast; repeat as needed to reach the desired contrast, OR
7. Press the Orange button to increase the Screen Contrast; repeat as needed to reach the desired contrast
8. Press and hold the Green or Orange button for 1 second or more to save the Screen Contrast and exit the menu

Procedures

There are three useful procedures accessible from the menu on the Nautilus LifeLine.

Self Test

The Self Test runs a series of tests on the onboard circuits to determine whether a LifeLine is in a good state to be used for an expedition. This should be used prior to any dive trip, kayak trip, sailing excursion, or any other outing on the water for which you are taking your LifeLine. A successful Self Test will result in a message of "Good to Go" on the LCD screen. Any other result will show a "Fail" message. If the Self Test fails, fully charge your Nautilus LifeLine and run the Self Test again.

1. Press the Orange button to enter the main menu
2. Press the Green button 6 times to get to Procedures
3. Press the Orange button to enter the Procedures sub-menu
4. Press the Orange button to select Self Test
5. The Self Test begins and will take about 30 seconds to complete, wait for a "Good to Go" or "Fail" message

Distress Sim

The Distress Sim procedure will run a simulated Distress cycle but will NOT transmit any distress messages. It is for the user to see how a distress cycle may behave without alerting the Coast Guard or rescue stations. For more information about the Distress Cycle, read "[What does the Distress Cycle do?](#)" earlier in this manual.

1. Press the Orange button to enter the main menu
2. Press the Green button 6 times to get to Procedures
3. Press the Orange button to enter the Procedures sub-menu
4. Press the Orange button 1 time to select Distress Sim
5. Press the Green or Orange button to cancel the Distress Sim and exit the menu, OR
6. Press the Orange button to see the message "This mode shows the DSC distress behavior. No actual messages are sent, and no voice TX is allowed. Long press Green button or Orange button to cancel, Short-press Green button or Orange button to proceed."
7. Press and hold the Orange or Green button to enable the Distress Sim mode, it will beep three times and begin the simulated distress cycle as described in "[What does the Distress Cycle Do?](#)" and will end with a two-tone alarm signifying that a simulated Distress Acknowledge was received.
8. Press the Green or Orange button to silence the alarm and exit to the main screen

SOS Flash

This will flash a Morse code message SOS with the LED light on the Nautilus LifeLine. This can be used to alert ships, boats, or aircraft nearby if voice communication or Distress Alert is not possible.

1. Press the Orange button to enter the main menu
2. Press the Green button 6 times to get to Procedures
3. Press the Orange button to enter the Procedures sub-menu
4. Press the Orange button 2 times to select SOS Flash
5. Press the Green button to enable SOS Flash
6. Press and hold the Green or Orange button for more than 1 second to disable the SOS Flash and return to the main screen

Receiving DSC Messages

Your Nautilus LifeLine is capable of receiving DSC messages if an MMSI number has been programmed into it. When a message is received the LifeLine will beep according to the message type:

- 5 times for a Group Call message
- 3 times for an Individual Call message
- Alternating two-tone alarm for a Distress Acknowledge message

To end the two-tone alarm, you must transmit a voice message on channel 16 using the Orange button. When a group or individual call message is received, you will be shown the message status screen as described in: Messages > ["Received: NN new"](#) above.



The LifeLine radio will not receive DSC messages when it is off.

MAINTENANCE

Maintain the O-Rings

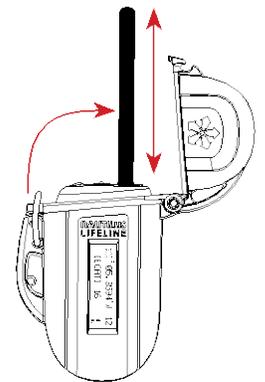
To lengthen the life of your unit and prevent accidental flooding, keep the O-rings clean of dirt, hair, and debris.



Any dirt or contamination on the O-ring 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 blow-dry with pressurized air.

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.

TROUBLESHOOTING

Please read the following troubleshooting guidelines. This may enable you to solve a performance problem yourself and avoid sending your unit back for repair. Also check our website support page at: <http://www.nautiluslifeline.com/support> and frequently asked questions (F.A.Q.) at: http://www.nautiluslifeline.com/support_troubleshooting for common problems and their solutions.

If problems persist, do not attempt to repair the unit yourself. See the warranty for factory service information.

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 waterproof integrity of the housing. Repairs should be performed only by authorized Nautilus LifeLine technicians.

Unit Does Not Power On

If the Nautilus LifeLine does not turn on:

1. Try hard-resetting the radio by pressing all three buttons at once.
2. Connect your unit to a computer using the USB cable and let it charge for several minutes.
3. With your LifeLine connected to your computer, run the LifeLine desktop software; you may be prompted to repair the firmware.
4. If the problem persists, contact Nautilus LifeLine directly. See [Customer Support](#) in this manual.

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.



THE LIMITED 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 operating 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 proof of the purchase date. You must register your unit within 30 days of purchase to qualify for the limited warranty.

Extended Warranty

Extended Warranties are not limited to the original owner. If you have purchased a LifeLine second-hand or from a dive buddy, contact our Sales Team to find out how our Extended Warranties can help you.

Our Extended Warranty options are:

1 Year Extended Warranty includes all benefits and terms of limited warranty for an additional 12 months.

2 Year Extended Warranty extends the benefits of the limited warranty for two years after the limited warranty expires.

2 Year Extended Warranty + Accidental Flooding covers accidental flooding as well as all other Extended Warranty benefits.

CUSTOMER SUPPORT

Please review our support page at <http://www.nautiluslifeline.com/support> and search the FAQ for common technical issues and how to resolve them.

- On the web: <http://www.nautiluslifeline.com>
- By email: techsupport@nautiluslifeline.com
- By telephone: 001-604-241-1918

TECHNICAL SPECIFICATIONS

Size And Weight	
Weight	9.88 Oz (280 grams)
Dimensions (H x W x D)	2.6 x 5.72 x 1.8 inch (67 x 145 x 46 mm)
Power & Battery	
Battery	1850 mAh Li-ion
Battery Capacity	24 Hrs +
Maximum RF Power	1.85 Watts + 0 dB / -3.5 dB
Depth Rating & Communication Range	
Depth Rating	425 Feet (130 Meters)
Voice Communication Range	2-6 miles (3-10 km) depending on antenna height
Distress Range (Red Button)	Transmits DSC alerts / to a demonstrated range of 34 miles (55 km)
Frequency Range	All Marine Channels, depending on Region selected
GPS	Stores up to 32 Waypoints
Channel Spacing	25 kHz
Exterior	
Material	Polycarbonate, 316 L Stainless Steel
Floating	YES with Cap Closed
Display Type	LCD



Product specifications and features are subject to change without notice.



R&TTE Declaration of Conformity

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info@nautiluslifeline.com

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PO Box 97182
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Canada V6X 8H3

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2nd Floor
Richmond, British Columbia
Canada V7A 4S5

NautilusLifeLine.com

We, Nautilus Lifeline Ltd.
#17 – 11191 Horseshoe Way
2nd Floor
Richmond, British Columbia
Canada, V7A 4S5

hereby declare under our sole responsibility that the product to which this declaration relates is in compliance with all the applicable essential requirements and other relevant provisions of the European Council Directives listed.

Manufacturer: Nautilus Lifeline Ltd.
Product Name: Nautilus Lifeline
Product Model: Diver

Directives: 1999/5/EC (R&TTE Directive)
Product compliance has been demonstrated on the basis of Standards:

EN 302 885-2 V1.1.1 – partially applied
EN 302 885-3 V1.1.1 – partially applied
EN 301 843-1 V1.3.1 – partially applied
EN 60945:2002 – fully applied
EN 60950-1:2006 – fully applied
EN 62311:2008 – fully applied

Notified Body Involved: TIMCO Engineering Inc. – Notified Body Number 1177

3 September 2013
Richmond, British Columbia



Mike Lever, President