

**NorCross®**

# Wireless Water Sports Safety System



**SkierAlert® SP**  
**Instruction Manual**



*Enjoy Your Freedom™*

## Warning:

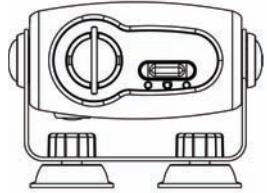


This device is not a substitute for diligent supervision by an observer during watersports activities. It is the responsibility of the watercraft owner/operator to know and inform all persons riding in the vessel or using the SkierAlert® of the information presented herein. Unsafe operation will endanger you and others.

**Want to save yourself hours of aggravation? If so, then read this manual entirely before attempting the installation and/or use.**

### Safety Information

- Read the following safety information carefully before attempting to operate this device.
- Do not cover the Wireless Lanyard with clothing or allow anything to touch the water sensors during operation.
- Watersports are fun and challenging, but involve inherent risks of injury or death. To increase your enjoyment of the sport and to reduce your risks, use common sense and utilize the following safe practices:
  - Familiarize yourself with all applicable federal, state and local laws, the risks inherent in the sport and the proper use of the equipment.
  - Know the waterways.
  - Always have a person, other than the driver, as the observer.
  - Skier/rider, observer, and driver must agree on hand signals.
  - Never start until skier/rider signals he/she is ready. Observer and skier/rider should maintain constant eye contact.
  - Use caution and common sense.
- Only qualified personnel should perform repairs or servicing not covered in this manual.
- The Base Station alarm is very loud. Avoid prolonged exposure to prevent hearing damage.
- Periodically wipe the unit with a dry cloth. Do not use abrasives or solvents on this device.
- The warnings and practices set forth above, represent some common risks encountered by users. The code does not claim to cover all instances of risk or danger. Please use common sense and good judgement.
- If you do not agree with the terms and/or conditions set forth in the manual, please return the unit to the place of purchase within 10 days of purchase.



Portable  
Base Station




MarineLink®  
Wireless Lanyard

## How the SkierAlert® SP Works

When powered on, the Wireless Lanyard and Base Station establish a link, that when broken, sounds an audible and visual alarm. The link can be broken by activation of the water switch on the Wireless Lanyard or if the Lanyard is taken out of range of the Base Station (generally 100 feet). This fail safe system ensures that anytime the Base Station and Wireless Lanyard cannot find each other, an alarm condition is instantly signaled.

**IMPORTANT:**




Follow the **Testing Wireless Link** instructions before each use to verify that the alarm sounds when the Wireless Lanyard is immersed in water or taken out of range of the Base Station.

## Installing the Batteries

The Base Station and Wireless Lanyard both have a battery life of 30 hours of continuous use. This battery life is maximized by an automatic battery saver system that powers the units off during inactivity.

- The Base Station will automatically turn off after 10 minutes if it does not detect the Wireless Lanyard.
- The Wireless Lanyard will automatically turn off after 10 minutes if it is not submerged in water.

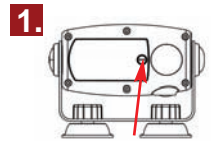
**IMPORTANT:**



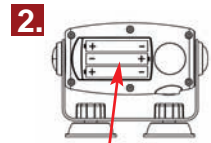
The SkierAlert® SP incorporates an advanced battery monitoring system. For safety reasons, this system will not turn on if you install previously used batteries. **ALWAYS install new batteries, from sealed packaging, or the system will not power on.**

### Base Station

1. Using a flat head screwdriver, loosen the screw by turning counterclockwise on the battery cover screw on the back of the unit. Grasp the screw with your fingers and pull to remove the cover. **DO NOT** pry the cover open with a screwdriver.
2. Install three “AAA” batteries, making certain to align them as per the diagram inside the battery compartment.
3. Lubricate the battery cover seal with Petroleum Jelly (Vaseline®) or Silicon Grease and reinstall the battery cover and screw.




Screw



Alignment  
Diagram

**IMPORTANT:**



To ensure the waterproof integrity of your SkierAlert® SP, lubricate the rubber seal around the battery door on both the Base Station or Wireless Lanyard with Petroleum Jelly (Vaseline®) or Silicon Grease each time you change the batteries.

## Wireless Lanyard

1. Loosen the finger screws on the back of the belt clip attachment by turning counterclockwise with your fingers. DO NOT remove the finger screws from the belt clip assembly.
2. Using your thumb, pry the belt clip attachment free from the lanyard housing (refer to illustration 2).
3. Insert a coin (a Nickel works best) into the battery cover slot on the back of the housing and turn counterclockwise until it stops (approximately 1/4"). Leave the coin in the slot and pry the battery cover away from the housing. DO NOT pry the cover open with a screwdriver.
4. Insert the battery "+" side up as per illustration 4.
5. Lubricate the battery cover seal with Petroleum Jelly (Vaseline®) or Silicon Grease and reinstall the battery cover. Using a coin, turn the cover clockwise until the arrows are aligned as per illustration 5.
6. Reinsert belt clip attachment (top first) into the lanyard housing, then snap the bottom in as per illustration 6.



## Installing the SkierAlert® SP

The SkierAlert® SP was designed to be portable, allowing you to take it on any vessel without having to install the unit each time. Under some circumstance you may need to permanently affix the Base Station to the mounting location.

### WARNING:

The Base Station must be securely affixed to the mounting location. If the suction cups do not securely affix the unit to the mounting location, you must permanently affix it by replacing the suction cups with screws. Failure to do so may cause damage to the unit, the vessel, or injury to the occupants of the vessel.

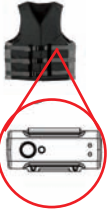


## To Attach the Base Station

1. Locate a mounting location that is smooth (windshield, fiberglass dashboard, etc.).
2. Thoroughly clean the location removing any surface debris (dried salt, sand, dust, etc.).
3. Dampen the suction cups with water and press down on the top of the left suction cup as per illustration 1 to the right.
4. While holding the suction cup down as per step 3 above, turn the locking nut clockwise until snug, as per illustration 2.
5. Repeat steps 3 and 4 on the right suction cup.
6. Wiggle the Base Station to ensure that it is securely affixed to the mounting location. If you cannot find a secure location using the suction cup mounts, use screws to permanently affix it to the vessel.



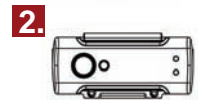
### IMPORTANT:



The Wireless Lanyard **MUST** be affixed to a life jacket or clothing belt using the integrated belt clip assembly. • To prevent accidental loss, do not use the unit without securely affixing it using the belt clip assembly. • To prevent false alarms, do not cover the Wireless Lanyard with clothing or allow anything to touch the water sensors during operation. • If using the Lanyard for tubing or towables, mount it on the back of a life jacket to prevent accidental activation of the water sensors.

#### To Attach the Wireless Lanyard

1. Turn the hand screws counterclockwise and open the belt clip assembly as per illustration 1.
2. Insert the belt into the assembly making certain that the face of the lanyard is pointed away from the life jacket or clothing. Tighten the hand screws by turning clockwise.



#### Turning the SkierAlert® SP ON/OFF

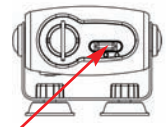
For the system to work properly, both units must be powered on. Turn the Wireless Lanyard on first.

##### Wireless Lanyard

1. To turn ON, press and HOLD the power button until the LED begins flashing (*approximately 3 seconds*). Release the button.
2. To turn OFF, press and HOLD the power button until the LED stops flashing (*approximately 3 seconds*). Release the button.



Power Button



Power Button

##### Base Station

1. To turn ON, press and HOLD the power button until the audible alarm sounds (*approximately 3 seconds*). Release the button, the LED will flash indicating that the unit is on.
2. To turn OFF, press and HOLD the power button until the audible alarm sounds (*approximately 3 seconds*). Release the button, the LED will no longer flash.

#### Setting the Base Station Audible Alarm Volume

there are three volume settings: *Low, Medium, & High*. Each setting is indicated by a solid LED.

- Low - "Low Bat. Base" illuminated
- Medium - "Low Bat. Base" and Alarm illuminated
- High - all three LED's illuminated



LED's

##### To Set the Volume

1. While powered ON, press and hold the Base Station button for 2 seconds. (*All the LED's will blink indicating that you have accessed Volume Control Setup.*)
2. To adjust the volume, press and release the button. The alarm setting will sound and the corresponding LED's will be lit. (*Each press of the button sets the volume to the next level.*)
3. The Base Station will automatically return to normal operation if you do not press the button for 5 seconds.

### Muting the Audible Alarm

Pressing the button on the Base Station during an alarm condition will mute the audible alarm, yet the ALARM LED will continue to blink. Pressing and releasing the button any-time during an alarm condition will toggle the mute on and off. The Mute can only be set when there is an alarm condition.

#### IMPORTANT:

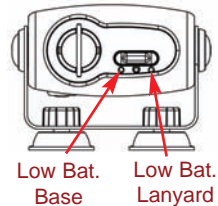


The alarm remains muted until the Base Station links up with Wireless Lanyard. The MUTE is then disabled so that the alarm will sound if the link between the Lanyard and Base Station is broken again. Make certain that the link is established before each use by verifying that the ALARM LED is off.

### Battery Monitoring System

The SkierAlert® SP incorporates a battery monitoring system for both the Wireless Lanyard and Base Station. When either battery is low, the receiver will sound an audible alarm (*chirp*) every 60 seconds to remind the operator to replace the battery.

- If a low battery is detected in the Base Station, the "Low Bat. Base" LED will blink.
- If a low battery is detected in the Wireless Lanyard, the "Low Bat. Lanyard" LED will blink and the LED on the Lanyard will be solid.



#### IMPORTANT:



If the "Low Bat. Base" or "Low Bat. Lanyard" LED's are blinking, discontinue use immediately and refer to the "Installing the Batteries" and "Battery Monitoring System" sections in this manual.

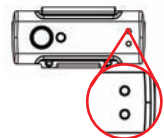
### Using the SkierAlert® SP

When activated, the Base Station and Wireless Lanyard establish a wireless link. The link can be broken if the Wireless Lanyard is submerged in water, or if the Lanyard is taken out of range of the Base Station (*generally 100 feet*).

#### When the link is broken:

- The audible alarm will sound.
- The "ALARM" LED on the Base Station will blink fast.

1.



2.



#### IMPORTANT:



To ensure proper linking of the Base Station and Wireless Lanyard, you must test the link before each use.

#### Testing the Wireless Link.

1. Power both the Base Station and the Wireless Lanyard ON.
2. Locate the water sensors on the Wireless Lanyard (*illustration 1*).
3. Place your thumb over the water sensors, making sure to cover both sensors (*illustration 2*).
4. The alarm will sound indicating that the link is established and the system is ready for use.

## Troubleshooting and Frequently Asked Questions

### *There is Water in the Wireless Lanyard's Battery Compartment:*

Under some circumstances, accidental flooding of the unit may not cause failure of the unit. Open the battery compartment and remove the battery. If the unit was flooded with saltwater, soak it in fresh tap water for 5 minutes with the battery compartment open. Shake the excess water from the unit, and place it in a dry place for 24 hours.

Reinstall the battery, making sure to lubricate the battery door seal with Petroleum Jelly (Vaseline®) or Silicon Grease. Test the waterproof integrity of the unit by soaking it in fresh tap water for 5 minutes.

### *The Base Station's Suction Cups Will Not Hold the Unit Securely:*

Locate a mounting location that is smooth (windshield, fiberglass dashboard, etc.). Thoroughly clean the location, removing any surface debris (dried salt, sand, dust, etc.). Dampen the suction cups, and follow the instructions in the "Installation Section" of this manual. It is very important that the thumb nut on the suction cups is pressed firmly down while turning as per the illustration to the right. **If the suction cups do not securely affix the unit to the mounting location, you must permanently affix it by replacing the suction cups with permanent screws.**



### *The Low Battery LED's Are Flashing on the Base Station:*

The flashing LED's indicate that a low battery condition is being detected. Replace the batteries with a new set taken from a sealed package. Keep in mind that batteries may test properly on a battery tester, but may not power the units properly because of the load induced on them by the SkierAlert® SP.

### *I Can't Get the System to Turn On, Even After Installing New Batteries:*

The SkierAlert® SP incorporates an advanced battery monitoring system. For safety reasons, this system will not turn on if you install previously used batteries. ALWAYS install new batteries, from sealed packaging, or the system will not power on.

### *I'm Experiencing False Alarms:*

The most likely cause of a false alarm condition is the improper placement of the Wireless Lanyard. DO NOT place the Lanyard under clothing or anything that may cause activation of the water sensors. If you are using the unit for tubing or on passengers of towables, keep in mind that the water sensors can be falsely activated by touching a wet surface. Always mount the Lanyard in a manner that will prevent the water sensors from touching any surface.

### *How Do I Know if the System Is Functioning Properly:*

To ensure proper linking of the Base Station and Wireless Lanyard, you can test the link by turning both units on and placing your thumb over both water sensors on the Lanyard. The Base Station should sound an audible and visual alarm within 2 seconds.



### *Will the Wireless Lanyard float?*

The Wireless Lanyard is "neutrally buoyant", meaning it will not sink, however it may be hard to spot if it comes off while in use. Be sure to secure the lanyard tightly using the hand screws.

### *Can I Use Multiple Wireless Lanyards at One Time?*

No. When powered on, the Wireless Lanyard and Base Station establish a link, that when broken, sounds an audible and visual alarm. If more than one Wireless Lanyard is active, the Base Station will not detect a broken signal from a single Wireless Lanyard.

### **Advanced Troubleshooting**

If you have questions about this product, please visit our Customer Service Center on our website at [www.norcrossmarine.com](http://www.norcrossmarine.com) (You may also call us toll free at 888-667-2767) where you can find information relating to:


- Warranty Details
- Warranty Registration
- Troubleshooting
- Product Knowledgebase
- Product Specifications
- Parts & Accessories

### **FCC Notice**

This device complies with FCC Part 15 Rules and Industry Canada RSS210 Issue 2 Regulations. Operation is subject to the following two conditions:

- this device may not cause harmful interference; and,
- this device must accept any interference received, including interference that may cause undesired operation

Changes or modifications not expressly approved by NorCross Marine Products, Inc, could void the user's authority to operate the equipment.

	<p>To be eligible for the 2 year product warranty, you must register your product within 15 days of purchase. Please visit our Customer Service Center on our website to register. Make a copy of your original purchase receipt and store it in a safe place. You will need to present it in the rare occurrence that you need to send your product in for service.</p>
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### **Warning:**



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