



USER MANUAL

SEAL SwimSafe Hub

SH002

SEAL INNOVATION INC.

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What's Included:



The SwimSafe Hub
Charger



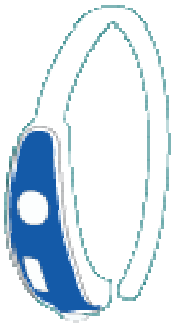
The SwimSafe Band

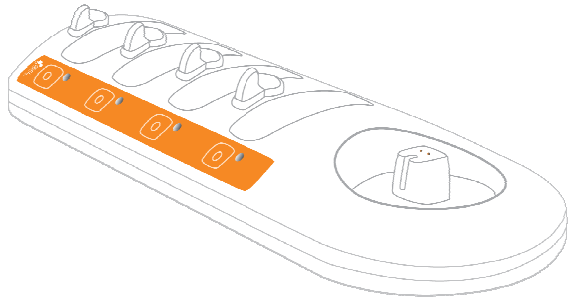


The SwimSafe 4Band
Charger

Setting up your SwimSafe System

1. Plug in your SwimSafe 4Band Charger.
2. Place your SwimSafe Band into the Charger. NOTE: Position your Band with the charging points (four metal circular contacts on the face of the Band) aligned with the four charger pins on the SwimSafe Charger. Place your SwimSafe Hub into the Hub Charging Cradle at the end of the Charger.

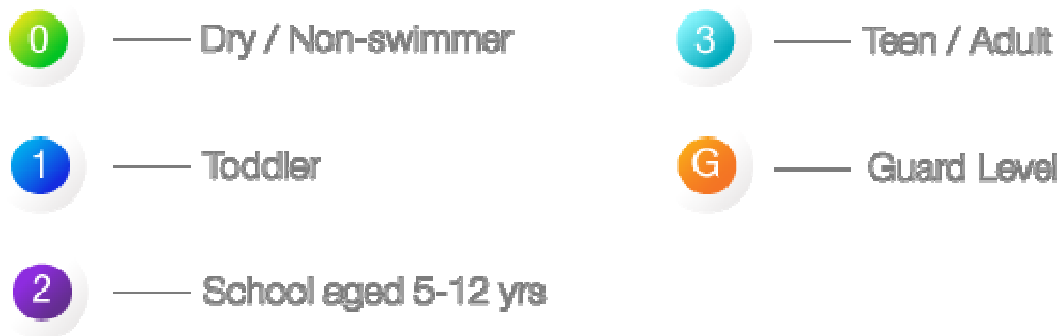




3. Be sure to rotate the Band Swivel Clamp over your Band to hold it in place.
4. When the Band Swim Level/StatusLED's flash on the Band (the two lenses on front of the Band), and the Hub flashes green, your SwimSafe Band and Hub are charging.
5. Charge your Bands and Hub until the Band Swim Level/Status LED's and Hub stay solid and are no longer flashing.
6. Your Bands and Hub are now fully charged and ready for play!

Swim Levels

The SEAL SwimSafe Swim Monitor System allows you to set each of your Bands to 5 different swim levels. The user's swim ability and lung capacity are important in determining which Swim Level to choose. Here are the 5 different levels:



Selecting your Bands' Swim Level

Once your Bands are charged and ready to use, it is time to set the appropriate Swim Level for each Band.

1. Simply place the Band in the Charger and rotate the Band Swivel Clamp over your Band to hold it in place.
2. Press the "Swim Level" button on the Charger below the Band you'd like to set up. The Band Swim Level/Status LED's will flash to the corresponding color of the Swim Level you have selected. Green = Dry/Non-swimmer; Blue = Toddler; Purple= School aged 5-12 years; Aqua = Teen/Adult; Orange = Guard/Expert

Syncing your Band with the SwimSafe Hub

After setting the Band's Swim Level, simply remove the Band from the Charger by rotating the Band Clamp back off of the charger, and tapping the

Band's Face against the clear window of the Hub. You should hear a little "chirp" from the Hub indicating that the Hub and Band are now synced. The Hub will now monitor the Band continuously within the Hub's range.

Wearing your SwimSafe Band

Connect your strap to the Clasp with the appropriate notch for your swimmer. The Band should fit loosely around the neck. If you are an adult and need the extra length for a proper fit, use the included Band Extender adapter to lengthen the Band Strap.

The SwimSafe Hub will alarm if a user removes the Band at any time now.

Sights and Sounds

The SEAL SwimSafe System will alert lifeguards, parents, anyone in the area by emitting sirens and flashing lights when it determines:

- **A swimmer has been submerged for longer than their Swim Level setting allows.**
- **A swimmer removes the Band or it is removed accidentally**
- **A person wearing the Band travels outside of the Hub's range**

Alerts and Responses

- The Hub will flash bright white lights and emit a siren when a swimmer has been submerged past their preset Swim Level time.
- The Band will also flash bright white lights and emit a siren when a swimmer has been submerged past their preset Swim Level time.

[graphic]

- The Band will flash YELLOW lights when it loses contact with the Hub. The swimmer or lifeguard or parent should take the Band and 'Bump" it against the Hub's clear window to re-sync the System.

Dry/Non-swimmer Level

Level 0, or the Green level (when the Band LED's flash Green lights) should be used for Toddlers or other older non-swimmers. At this level, the System will alarm if the band simply touches the water.

Buddy System...

Occasionally, the Band may lose sight of the Hub due to environmental or swimmer interference. When this occurs, the swimmer will hear an alarm and the Band will flash white. The swimmer needs to simply come up above the water level in line of sight to the Hub. When the Hub 'sees' the Band again, the Band will go back to flashing it's preset Swim Level Color.

Regulatory and Safety Notices

Model Name: SHO002 USA: Federal Communications Commission (FCC)

Statement

This device complies with FCC part 15 FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. This device meets the FCC and IC requirements for RF exposure in public or uncontrolled environments.

Canada: Industry Canada (IC) Statement

IC Notice to Users English/French in accordance with RSS GEN Issue 3: This device complies with Industry Canada license exempt RSS standard(s).

Operation is subject to the following two conditions: 1. this device may not cause interference, and 2. this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS standard exempts de licence (s). Son utilisation est soumise à Les deux conditions suivantes: 1. cet appareil ne peut pas provoquer d'interférences et 2. cet appareil doit accepter Toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

EU (European Union)

Declaration of Conformity with Regard to the EU Directive 1999/5/EC SEAL
Innovation Inc. is authorized to apply the CE Mark on One, Model SB/SRS001, thereby declaring conformity to the essential requirements and other relevant provisions of Directive 1999/5/EC. Compliant with the standard R&TTE 99/CE/05 Conforme à la norme R&TTE 99/CE/05

SWIM LEVEL
COLORS

Level 0 = Green	Band charging indicator = Swim level, blinking
Level 1 = Blue	Band charged indicator = Swim level, solid
Level 2 = Purple	Anytime user presses swim level button, changes color
Level 3 = Light Blue/Aqua	Unpaired band indicator = close to yellow as possible (confirm)
Level 4 (guard) = Orange as possible	

Function	User Action	Response
Out of Box - Travel Mode	User places band and Hub in charger (plugged in) Band left in charger, user can still change swim level when Band is charging by pushing Select Swim Level button on charger	Band flashes at default Green Level 0, Hub Pulses at Green to indicate charging
Band Charged	User places Hub in charger (plugged in)	Band goes solid Color of selected swim level when charged. Hub goes solid dull Green when charged "All's well"
Hub Charged	User presses Select Swim Level button on charger to desired swim level	Band indicates swim level selected by flashing corresponding swim level color
Select Swim Level	User 'bumps' charged, unpaired Band to Hub	Hub chirps when successfully paired with Band
Pair to Hub	User places band in charger and holds select swim level for 5 seconds	Band Chirps, flashes LEDs and goes to sleep. If charger button pressed again or bumps hub, wakes up unpaired.
Unpair Single Band	Factor reset hub by holding hub button for 20 seconds	
Unpair All bands	User places Band into charger and presses Select Swim Level button on charger to desired swim level, needs to re-bump to sync?	Hub chirps when successfully paired with Band
Change Swim Level	User presses Hub button for 5	Hub chirps and lights to All's Well
Power Up Hub		

	seconds to power up from Sleep or OFF/Deep Sleep modes	Green when it is ON. unless charger hits it with 5V
Power Up Band	Bump Band to hub or place in charger with power and press button	
Initiate Sleep/Travel Mode	User presses Hub button for 5 seconds to initiate Sleep Mode (travel mode, conserve battery)	Hub chirps and green light goes off to indicate Sleep mode. In sleep mode, Band stays paired with Hub.
Factory Reset Hub	User presses Hub button for 20 seconds to power Hub Off / Deep Sleep - all bands synced will go to sleep automatically	Hub chirps and green light goes off to indicate Deep Sleep/off mode. Band(s) blink Yellow for 5 seconds then go dark
Factory Reset Band	User presses select swim level button for 20 seconds	Band goes blank/dark, then flashes green briefly and goes solid/flashing GREEN depending on charge level.
Critical Low Battery	Place band back in charger	Flashes Yellow if charge less than 15%*
Battery less than 80% charged	User may use until critical low battery	In charger, blinks swim level. ON swimmer does not change from normal alert protocols.
Battery >80% charged	None	Solid swim level color if in charger
Silence HUB siren, not LEDs - 2 minutes	User quick presses hub button one time.	Goes quiet. LEDs keep flashing. Dave says we should delete this. It should be harder to turn off than this.
guard band flashing sleep		
portability. Pair your band / friend's hub. Put hub and band to sleep when you leave. Then do same when you leave.		

Troubleshooting

Band false alarm and Hub quiet	Return band to charger and factory reset band, (hold select swim button level for 5 seconds)	Band flashes yellow. Hub chirps and flashes yellow. 5 second hold on Hub will
Hub False Alarm	Hub alerts for emergency when none is occurring. User puts Hub into Travel Mode and then Powers Up.	
Band flashing	Return band to charger and	Whenever a band is in charger, will

rapid yellow	wait for swim color to return when adequately charged	send "I am safe" signal to hub to clear any warnings or alarms in hub
Hub flashing yellow	Identify flashing yellow band and remove from pool and return to charger	
Hub flashing yellow and NO bands flashing yellow	Return hub to charger for low battery.	
Malfunctioning band		

Out of Area a different sound? And flashing combo than swimming emergency. Need to let people know it's not a drowning scenario.

APP

Need to have Hub message through mobile application