SILENT BEACON

WIRELESS BLUETOOTH DEVICE USER GUIDE

We thank you for purchasing the SILENT BEACON personal emergency response system. We hope you will enjoy the devices wide range of safety features and will find it helpful and easy to use.

Silent Beacon was created so that loved ones could have added peace of mind in emergency situations.

The SILENT BEACON provides compact and light-weight construction, dual touch alert modes, wideband audio, USB recharging, and a dual speaker/ microphone system. The headset is compatible with nearly all types of Bluetooth® 4.0 wireless hosts including smartphones, tablets and personal computers. The Silent Beacon also includes a 3ft USB charger useful for quick convenient changing.

Features

- Dual touch buttons to avoid false alerts
- Slim UltraMini SiSonic(tm) Microphone
- Up to 60m range
- Lightweight (under 18g)
- Micro Dynamic Speaker
- Quick recharge
- Direct Bluetooth link from headset to mobile phone
- Standard headset Bluetooth profile support
- Wideband audio for enhanced audio quality
- Touch-panel mute control
- USB Data Interface for firmware updates*
- Status LED and audio noise for notification

Important Warnings and Safety Information

Warning! Your Silent Beacon included an important information guide. Do not attempt to charge or use the device before you read the Important Information Guide. If you did not receive this guide please contact Silent Beacon's customer service before continuing.

Warning! If you place the Silent Beacon close to your ear, sudden loud noises could pose a potential hearing risk.

Warning! Submerging this product in water will cause damage to the unit. This may cause the unit to be unresponsive and not able to send alerts or place calls correctly.
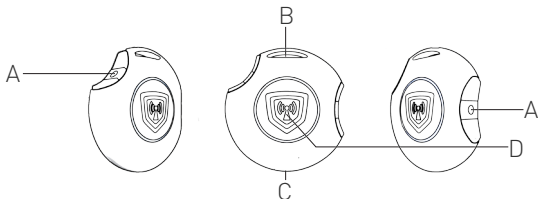
Care and Maintenance

Protect your Silent Beacon device and accessories as you would any other type of sensitive electronic equipment. If your Silent Beacon Device requires cleaning, consider the following advice:

· The device can be cleaned with a dry cloth if needed.

· The cords can be dry-dusted as required.

· Avoid getting moisture of liquids into any button parts or other open areas including the USB port and speaker holes.

· Avoid exposure to rain or submerging in water.

Product Overview

Let's explore the different parts of Silent Beacon. We simplified the interface of the device to make sending and receiving alerts and notifications as easy as possible.

A. Dual touch buttons
B. Slim UltraMini SiSonic(tm) Microphone
C. Activity and status indicator (LED light)
D. Speaker and microphone
E. Recharge and data interface
F. Audio alerts for user notification

Charging the Silent Beacon

To charge the Silent Beacon, connect the micro USB cord (included) into the device, the other end into a power source, as illustrated on the next page (8).

Silent Beacon's LED light will blink when charging. It will stop blinking when fully charged.

If you are using the Silent Beacon while it is charging, the LED will display the lights depending on alert mode.

Note: The charge time from either a PC or car cigarette-lighter socket is much longer than the charge time from an AC power outlet.

MICRO USB CORD

12V CAR CIGARETTE LIGHTER SOCKET

AC POWER OUTLET

Pairing the Silent Beacon to a Bluetooth Host

To use Bluetooth®, you must set up the wireless communication between the Silent Beacon Device and the Host Bluetooth device by pairing them.

Silent Beacon Device setup

1. If your device is currently turned on, turn it off by holding both buttons for 10 seconds You will see the blue LED give strobe 5 times and then turn off.

2. Now that your Silent Beacon is off hold down either button for about 4 seconds, you will see the blue LED light turn on. This will start the pairing process

3. Once the Silent Beacon Device is paired it will beep and flash the LED.

Bluetooth® 4.0 device setup

Make sure Bluetooth is turned on inside your smartphone, tablet or personal computer.

1. If needed turn on Bluetooth pairing mode inside your devices settings. This should enable it to search for the Silent Beacon. (varies per manufacture.)

2. Find the name Silent Beacon on the list of devices within your Bluetooth settings. Your phone may ask a pass code. The pass code is 0000 (four zeros).

3. Open Silent Beacon Application, the main menu should now show the device as ON. Your device is now paired!

Note: If pairing fails, please consult your Bluetooth device's manufacturing manual. You may also email or call Silent Beacon customer service.

Firmware Updates*

Firmware is software that runs inside many types of electronic devices, including your Silent Beacon. Firmware updates may be released to improve important security encryption, performance and better functionality.

Checking for Firmware Updates
Go to www.silentbeacon.com/firmware directly to see what updates are available.

Applying Firmware Updates
This version of Silent Beacon does not have firmware update capability.

Using the Silent Beacon Dual Touch Buttons

Silent Beacon device must have both buttons pressed down at the same time to send an alert. This dual touch help avoid false alerts stemming from accidental contact from the buttons.

Sending an Alert to your contacts

1. Setup the Silent Beacon Application and choose how you wish to send alerts to your contacts.

2. Press down both buttons for 2 seconds sends an alert. Press down both buttons for 5 seconds to alert silently.

3. If your Device is paired to a phone The Silent Beacon will immediately begin calling your primary contact. (Go to Placing A Voice Call for more information on calling (15).

Note: To setup your Silent Beacon Application please read our online manual. You may also email or call Silent Beacon customer service.
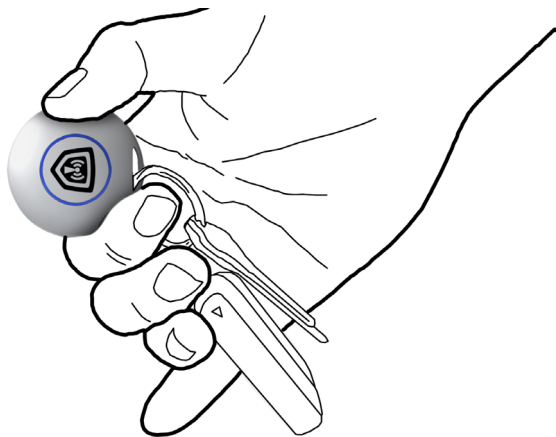
Nudging your contacts*
Pressing down 1 button and tapping the other 3 to 5 times will send a nudge notification to your stored contacts.

Turning on Footsteps*
Pressing down 1 button and tapping the other 3 to 5 times can start live tracking so your contacts can follow your GPS location. Notifications are also sent stored contacts.

Resetting the device*
To reset the device hold either button down for 10 second. This is important when device becomes unpaired.

Placing a Voice Call to Primary Contact

When your Silent Beacon Application has called the Primary Contact your Silent Beacon device will dial the number.

You can hear and talk into the Silent Beacon to let your Primary Contact know about your current situation.

When you place a silent alert no lights or audio will be heard but once your Primary Contact picks up they will be able to hear you.

To hang up simply go to your smartphone and click End Call*

This setting will not work for tablets or other host devices that do not connect to a phone line.

Wearing the Silent Beacon

The Silent Beacon was meant to be used either on a keychain type ring or as a pendant. Use any standard metal ring to connect your Silent Beacon device to your keychain, necklace or other item.

Important: Regardless of which wearing style you choose, make sure the speaker/microphone side of the Silent Beacon device is positioned as close to your mouth as possible. This will maximize the noise-cancelling effect of the microphone, allowing your voice to come through loud and clear and allow you to hear your primary contact.

Silent Beacon audio and LED notifications

The Silent Beacon will notify you in both LED lights and audio noises when a command has been received or sent.

Dual touch Alert
· LED light will flash 5 times
· Audio will sound alert

Nudge Contacts
· LED light will flash 2 times
· Audio will beep play Nudge sound

Silent Alert
· too be discrete no audio or LED will turn on.

Charging Device
· LED will blink once to let you know it is charging*
· LED will blink continuously if device is under 5% battery life
· Audio will play a connection sound (check the application for real-time battery life)

Pair/unpaired Device
· LED light will quickly flash when paired or unpaired.
· Audio will higher tone when paired, lower tone when unpaired.

(5)	(2)	(0)	(1)	(1)
Dual Button Alert	Nudge Contact	Silent Alert	Charging Device	Paired/ Unpaired Device

Distance from Silent Beacon Device to Host

The following is the average distance when sending an alert from the Silent Beacon Device to hits Host Device.

· Sending Alert 60 meters

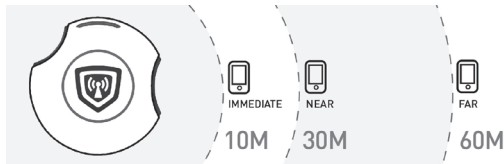· Sending Voice Call 50 ft. (depending on host device manufacture)

In practice, you will probably find the range to be somewhat shorter due to physical obstructions and electromagnetic interference.

The sound in your headset will slowly deteriorate as you move farther from its Bluetooth host; move back into range to restore sound quality. All sound will stop if you move all the way out of range.

After moving out of range, the headset will try to reconnect to the lost device periodically. Silent Beacon will try to

reconnect every 2 seconds. Your Application will alert you as well that it can no longer find the device.
 You may test the device by using your own phone number as the Primary Number to test distances and audio levels before Silent Beacon is needed for an emergency situation.

IMMEDIATE   NEAR   FAR

10M   30M   60M

Important: For best performance of your Silent Beacon, wear or keep the device close to your host smartphone, tablet or personal computer and insight of each other. The least amount of objects between the Device and Host the better of the quality will be.

Frequently Asked Questions

Since this portion is regularly updated please consult www.silentbeacon.com/faq for the latest answers.

Troubleshooting

For troubleshooting please follow the instructions within the different sections of this manual. If your Silent Beacon device is not working properly please return to the store you purchased from or contact Silent Beacon www.silentbeacon.com/contact.

Technical Specifications

Dimensions: 40mm x 8mm

Weight: < 18 g

Operating environment: -10℃ to +60℃ (when charging: 0℃ to +45℃); Up to 95% RH non-condensing

Call control: Dual alert buttons supporting sending alert, placing call to Primary Contact and receiving audio and LED notifications via the Application.

Volume control: Controlled within the application.

Microphone mute: Using Nudge Feature (page 14)

Visual indicator: Blue LED indicates alert status, battery level, pairing status, and other events.

Audio indicators: Tones to indicate alert status, battery level, pairing status, and other events.

Bluetooth version: BT 2.1 & 4.0

Bluetooth range: Up to 60m when paired with a Bluetooth wireless technology Class 1 device; up to 25m when paired with a Bluetooth wireless technology Class 2 device

Bluetooth profiles: Headset (HSP 1.1), hands-free (HFP 1.5), device identification (DIP 1.3)

Microphone: Slim UltraMini SiSonic(tm) Microphone

Sound quality: DSP noise reduction; echo cancellation; tone control; narrowband and wideband audio (selectable per phone type)

Firmware update: Downloadable from PC

Recharge: While connected to a wall socket; PC (via USB) or car socket

Headset Battery: Lithium Ion

Battery capacity: 110 mAh, nominal

Battery talk time: Up to 6 h at -10℃ to +60℃

Battery lifetime: Minimum 500 charge cycles (over 6 years when used for 4 hours a day)

Battery standby time: At least 100h at -10℃ to +60℃

Battery charge time:
· Charging from AC power adapter; from 0 to 80% of full capacity in 25 minutes
· Charging from car charger; from 0 to 80% of full capacity in 25 minutes, provided the charger has USB fast charge termination
· Charging from a PC's USB port; from 0 to 80% of full capacity in 60 mins. In this case, the charge current is

limited to 100mA

Information: Patents and design registration are currently pending.

Shelf life: Holds a charge for at least 6 months in the off state before recharge is required

Material: Silent Beacon is made from non-hazardous plastics

Power and data port: Micro USB

Connectivity:
- AC power socket, using supplied AC power adapter
- PC USB port, using supplied mini USB-to-USB cable
- Car cigarette-lighter socket, using car charge adapter (optional accessory)

Product Disposal

Please dispose of the Silent Beacon once you have stopped using it according to local regulations and recycle when possible. Do not dispose as household waste. Do not dispose of the Silent Beacon in a fire as the battery may explode. Batteries may also explode if damaged.

Certifications and Safety Approvals

FCC

This device complies with Part 15 of the 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 received, including interference that may cause undesired operation.

CAUTIONS: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by Silent Beacon LLC will void the user's authority to operate the equipment.

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

Glossary

Bluetooth: An open wireless protocol for exchanging data over short distances from fixed and mobile devices, such as mobile phones and headsets. It is primarily designed for low power consumption, with a short range (power-class-dependent: 1 meter, 10 meters, and 100 meters) based on low-cost transceiver microchips in each device. Bluetooth wireless technology makes it possible for these devices to communicate with each other when they are in range. Because the devices use a radio (broadcast) communications system, they do not have to be in line of sight of each other.

Bluetooth Host: The Smartphone, Tablet or Home Computer that is hosting the Silent Beacon Application and which can successfully pair to the Silent Beacon Device.

Contacts
The custom contact information stored inside the Silent Beacon Application. There are various settings that allow you different methods of alerting each contact.
Dual touch Alert
The Silent Beacon Device must have both buttons pressed to send an alert, this cuts down on false alerts.

Firmware
The software that is embedded in the Silent Beacon device. This can be updated via a special USB cable (not included) to deliver important software updates to enhance features and security.

LED: Short for Light-Emitting Diode these are the lights that flash on the Silent Beacon Device.

Nudge Contact Feature: This feature is turned on inside the Silent Beacon Application and allows you to alert your contacts that you are safe by sending a GPS screen shot and custom text.

Pairing / Unpaired: Creates a unique and encrypted link between two Bluetooth devices and enables them to communicate with each other. Bluetooth devices will not communicate if they have not been paired. Unpaired Stops the communication between the Silent Beacon Device and Bluetooth Host.

Primary Contact: The Contact you have saved inside the Silent Beacon Application as the person to call when the alert is sent to your contacts.

Silent Beacon Application: The Silent Beacon Application that connects to your Device. Only Smartphones, tablets

and Personal Computers with Bluetooth 4.0 technology can support this application. The software is unable to work with 3.0 or earlier Bluetooth.

Silent Beacon Device
The device that this manual is in reference too.

Wideband audio
Sometimes also called HD Audio, this is an audio technology used in telephony. It extends the frequency range of sound travelling over telephone lines, resulting in higher quality voice transmission. The range of the human voice extends from 80 hertz to 14,000 hertz. Traditional, or narrowband telephone calls, limit audio frequencies to the range of 300 to 3400 hertz. Wideband audio eliminates the majority of bandwidth limitations and transmits in the range of 30 hertz to 7000 hertz or higher.

Silent Beacon assumes no responsibility for any errors that may appear in this manual. Information contained herein is subject to change without notice.

www.SilentBeacon.com
1-844-641-HELP (4357)

* Areas marked with an asterisk may not be available in all models.