

Sofi beacon

User Guide



Product Overview

Thank you for purchasing the Sofi Beacon. This Beacon is an advanced miniature 3G network personal Beacon with built-in u-blox GPS and 3G (GSM/GPRS) technology.

Sofi Beacon is a lightweight, easy to use, mobile personal alert system, complete with one-touch calling and location sharing.

What's in the box

- Sofi beacon with built-in rechargeable battery
- Convenient drop-in charging dock
- USB charger cable with AC wall adapter



Getting to know your Beacon



Beacon Charging

For first time use, please fully charge the Beacon for 2-3 hours.

Using the charging dock to charge

- Connect the micro USB side of the cable to the docking station's micro USB port and connect the other end of the cable to the designated AC power source (USB/AC adaptor)
- Plug this power adaptor into a standard Australian power socket and turn on
- Place the Beacon in the charging dock

When charging, the RED LED (on docking station) will be blinking to confirm the Beacon is charging. After fully charging, the RED LED will solidify.

Switching the Beacon on and off

- **To turn on the Beacon:** press and hold the side power button for 1 second, and all the LEDs will flash rapidly. The Beacon can be also turned on automatically by charging via USB or the docking station. You will hear a beep when the Beacon has finished powering on.
 - ※ To get an initial GPS reading, use outdoors or near a window so the Beacon may connect to the relevant network.
- **To turn off the Beacon:** press and hold the side button and SOS button together for 3 seconds until the LEDs turn off. The Beacon will play an audible tone prior to completing shutdown.

What do the LED lights on the Beacon mean?

Power Status LED

LED	Blue ON (solid)	Blue Blinking Quickly	Blue Off or blinking slowly
State	The Beacon is charging	Battery power is lower than 15%	Beacon has been fully charged or is not charging

When the Beacon has been switched on, the green light will blink rapidly twice, followed by the blue light blinking twice more slowly. This indicates the Beacon is functioning normally.

GPS LED--BLUE

LED	Light shows a single flash rapidly every 3 seconds	Light shows a slow flash every 3 seconds (every 1 second on and 3 seconds off)	Blue Off(when Beacon not charging)
State	The Beacon has a GPS positioning fix	The Beacon has no GPS fix	The GPS chip is sleeping

Mobile Network LED--GREEN

LED	Light shows a single flash rapidly every 3 seconds	Light shows a double flash rapidly every 3 seconds	Light shows a slow flash every 3 seconds	Light Solid (not flashing)
State	The Beacon is connected to the GSM network	The Beacon is authorised to the GPRS network	The Beacon is connecting to the GSM network	No SIM Card is detected

The Beacon will also beep every 2 minutes when there is no GSM coverage.

Activating an SOS Alarm

Press and hold the SOS button until the Beacon vibrates. The green light will start to flash rapidly along with a repeating beep to confirm the request. An SOS alarm "Help me!" will then be sent to all authorised phone numbers by text message and to the Sofihub cloud platform by GPRS. It will also dial the 3 authorised numbers in sequence after an initial delay of 20 seconds. If the Beacon fails to connect to the first number, it will call the second number after a delay of 20 seconds. (In this time, user can prevent a possible false alarm by pressing the SOS button). In case the second number fails to connect, the system will connect to the third number, etc. A long beep indicates that an SOS message has been sent. Between each call, there will be a 20 second delay, during which the user can press the SOS button to stop the call to the next number.

To end the call and sequence, user can press the side button twice or the receiver of the call can press 1 on their mobile to cause Sofi Beacon to hang up and cease calling other stored numbers.

Caution:

Please comply with the following instructions to extend the life of the unit:

1. Avoid using and storing the Beacon in dusty environments.
2. Avoid placing the unit in extremely hot and cold environments.
3. Use a dry piece of cloth to clean and avoid using detergent and other chemicals.
4. Do not disassemble the unit or attempt to change the in-built battery.

Hardware Specification:

Content	Specs.
Mainframe Dimension	61mm*43mm*16mm
Net Weight	40g
3G WCDMA Frequencies	UMTS / HSPA 900 / 2100 MHz (Optus)
	UMTS / HSPA 850 / 1900 Mhz (Telstra)
GPS chip	U-blox 7 (Support AGPS)
GPS sensitivity	Cold start: -148dBm Hot start: -162dBm
GPS accuracy	<2.5m
Time to First Fix	Cold start 32s, Warm start 11s, Hot start 1s
Charging Voltage	5V DC
Battery	Chargeable 3.7V 800mAh
Standby Current	≤2mAh
Storage Temperature	-40°C to +85°C
Operation Temperature	-20°C to +80°C
Humidity	5%-95% non-condensing

This Beacon complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this Beacon may not cause harmful interference, and (2) this Beacon must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could 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 Beacon, 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.