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Stratosfy Beacon-I

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FCC ID : **2A3CA-STSFYBTI01** | IC : **27758-STSFYBTI01**

User Manual

Version 1.0.0

Stratosfy Beacon-I User Manual

Stratosfy Beacon-I is a wireless communication device that transmits Bluetooth identity messages,

Summary

The role of Stratosfy Beacon-I, as part of Stratosfy Workforce Management solutions, is to guarantee activities are carried out at precise locations by either registering workforce presence or unlocking location-based task lists when workers are within the device's communication range.

Clock In   Task started   Task finished   Clock Out
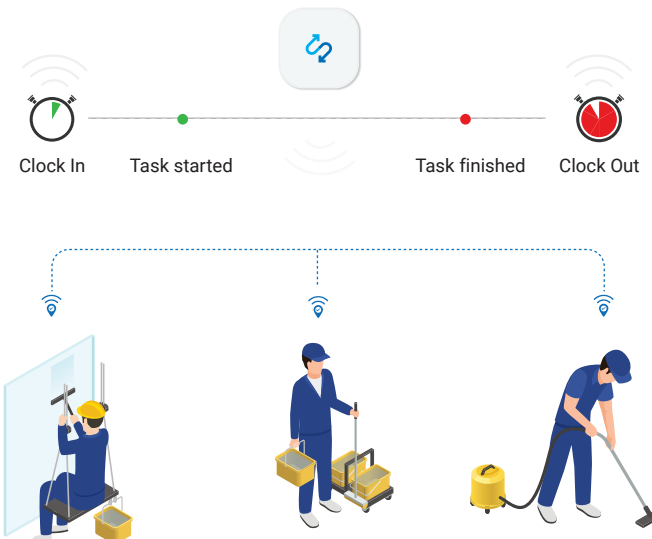

Technology Highlights

- Proprietary technology
- Bluetooth 5 ready multi-protocol radio-based device
- Location precision down to 6 ft (2 m)
- Supports iBeacon and Stratosfy Telemetry (proprietary) packets concurrently
- Fully manageable devices via Stratosfy's Mobile Applications

How it works

Stratosfy Beacon-I devices interface with the Stratosfy's mobile application used by the workforce to certify they are in precise predefined locations within a property while performing their duties.

The Stratosfy's mobile app can detect Stratosfy Beacon-I devices when within the communications range. The app then reports the presence of the service professional and the service activities performed by the service professional to Stratosfy's cloud, along with precise and reliable location data and the timestamps automated collected during the interaction between the Stratosfy Beacon-I device and the smartphone.

Applications

Stratosfy Beacon-I devices are typically meant to be installed at different interior areas of a location, such as lobbies, elevators, washrooms, meeting rooms, maintenance rooms.

⚠️ Stratosfy Beacon-I devices are not waterproof devices and are not meant to be installed in outdoor or exterior areas of a building/location.

ℹ️ If your application needs outdoor service tracking please consider using Stratosfy Beacon-IO devices.

Technical Specifications

Model Number :	STSFY-BT-I01

RF Specifications

Standard Protocol	Bluetooth 5
Frequency band	2.4GHz
Number of Channels	3 Primary, 37 Secondary
Output power	0dBm (default power upon shipping), Programmable -40dBm to +8dBm
Modulation	GFSK
Antenna / Gain	Chip antenna, 1.1 dBi
Mode of Operation	half-duplex
Data Rates	1 Mbit/s

Features

BLE Application Supported	iBeacon, Stratosfy Telemetry
Processor Type	32-bit ARM Cortex-M4F @ 64MHz
Memory	1 MB Flash

Physical

Dimensions in mm (Length x Width x Height)	76 x 76 x 24
Mounting Method	Wall Mounted with 3M Double-Sided Adhesive (included)
Housing Material	ABS Plastic
Color	White
Weight	38 grams

Battery

Type	3V / 950mAh – CR2477 Lifetime (depending on utilization) 18-24 months expected, dependent upon environmental operating conditions, device configuration, communication frequency

Chemical and Mechanical Resistance

Water	Not Waterproof, IP61 Rating
Withstands Exposure To	UV Resistant, Impact Resistant

Thermal

Storage	32°F to 86°F (0°C to +30°C)
Operating Temperature	32°F to 140°F (0°C to 60°C)

Other	
Standards	FCC ID: 2A3CA-STSFYBTI01 IC: 27758-STSFYBTI01
Box Size	10 pcs.
Warranty	1 year

Accessories

Replacement CR2477 batteries - 3V / 950mAh capacity coin cell CR2477 batteries

Velcro tape/3M tape - 3M Velcro hook and loop dual lock tape 1 inch squares

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For more information, contact hello@stratosfy.io
Website : www.stratosfy.io

FCC statements

"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."

"Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment."

IC Statements

"This device complies with Industry Canada licence-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 exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil."

Health Canada RF Exposure Warning Statement

"This device complies with Health Canada's Safety Code. The installer of this device should
ensure that RF radiation is not emitted in excess of the Health Canada's requirement. Information can be obtained at http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php"

French version

"Cet appareil est conforme avec Santé Canada Code de sécurité 6. Le programme d'installation de cet appareil doit s' assurer que les rayonnements RF n'est pas émis au-delà de l'exigence de Santé Canada. Les informations peuvent être obtenues:
 http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php"

FC
U.S.: Federal
Communications
Commission (FCC)

IC
Canada: Industry
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Designed in Canada

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