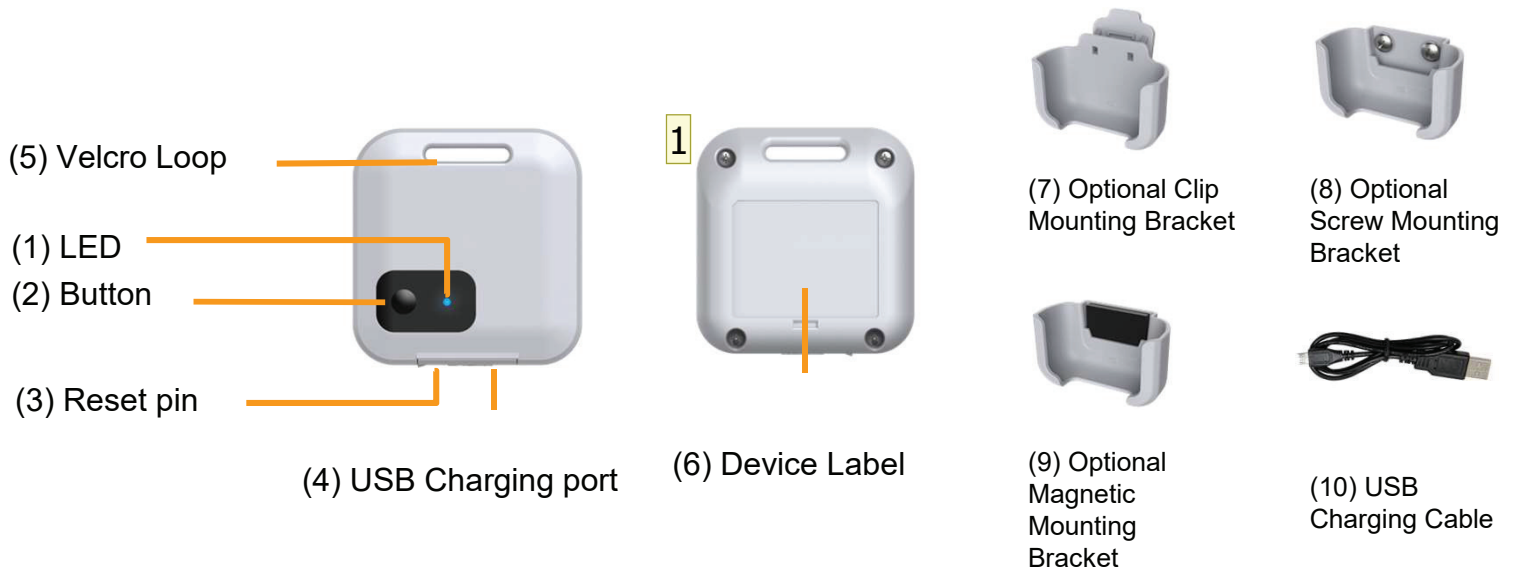# SigFox Asset Tracker User Manual

The SigFox Asset Tracker provides the capability to track indoor assets leveraging PwC's Indoor Geolocation Platform (IGP). The tracker supports time-based, near real-time and last known location tracking modes

(5) Velcro Loop

(1) LED

(2) Button

(3) Reset pin

(4) USB Charging port

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(6) Device Label

(7) Optional Clip Mounting Bracket

(8) Optional Screw Mounting Bracket

(9) Optional Magnetic Mounting Bracket

(10) USB Charging Cable

(1) LED

Activation: Alternate between red, green and blue. *Device is activated*.

Charging:
Solid red while charging. *Device is being charged.*
Solid green while charging. *Device is fully charged.*

Device battery check:
Solid green after button press. *Device battery level is higher than 25%*
Solid red after button press. *Device battery level is lower than 25%*

Whitelist / configuration update
Solid blue. *Device is connected to the PC console via USB*
Flash blue. *Whitelist / configuration is being updated*

(2) Button

Device activation (first time use of the device only):
- Press the button and hold for 1 second

Device battery check:
- Single press

Device Specs:
Model: AP81
Radio Frequency Band: SigFox RC2 (902.1375MHz to 904.6625MHz)
WiFi Band: 2.4GHz,
Bluetooth Version: 4.2
Dimensions: 2.2 x 2.2 x 0.8 inch
Battery: 1,000mAh
Operating Temperature: 0-45C
Relative Humidity: 0-95%

(3) Reset Pin

Reset the device by pressing the pin.

(4) Charging Port

Micro-USB charging port. Use the included cable to charge the device.

(5) Velcro Loop

Option to mount the asset tracker with a velcro strap across the loop

(6) Device Label

- **Network ID:** SigFox Device ID
- **Address:** Device MAC address
- **Serial No.** Device serial number
- **Part No.** Device part number
- **FCC ID:** Device FCC ID
- **QR Code:** Scanning of the QR code renders a concatenated Network ID, Address, Serial No. and Part No.

(7) Optional Clip Mounting Bracket

Clip mounting bracket for the asset tracker

(8) Optional Screw Mounting Bracket

Screw mounting bracket for the asset tracker

(9) Optional Magnetic Mounting Bracket

Magnetic mounting bracket for the asset tracker

(10) USB Charging Cable

Charging cable for the device

Device Operating Modes:

- Time-based Tracking Mode: configurable intervals of 10 min, 15 min, 30 min, 1 hour, 12 hours, 24 hours
- Near Real-time Tracking Mode: location report every minute when device is moving
- Last Known Location Tracking Mode: location report upon a device's initial movement and stopping with a cool down period of 1, 5 or 10 min (configurable)

Caution: The user is cautioned that 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 equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installers must ensure that 20cm separation distance will be maintained between the device (excluding its handset) and users.