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safetrust
**8700-5500-09
IoT Sensor
USB Reader**

safetrust 8700-5500-09 IoT Sensor USB Reader User Guide

Contents

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safetrust 8700-5500-09 IoT Sensor USB Reader

Specifications

- **Product:** IoT Sensor USB Reader
- **Cord:** USB-A format (USB-C available as special order)
- **Mounting Bracket:** 8700-5500-09 Surface Mount Adapter Bracket (Optional and sold separately)

Product Usage Instructions

In the Box

The package includes:

- IoT Sensor USB Reader
- USB-A format cord (USB-C available as special order)
- Mounting Bracket (Optional and sold separately – 8700-5500-09 Surface Mount Adapter Bracket for wall mounting)

What You'll Need

Requirements

- Wi-Fi connection preferred
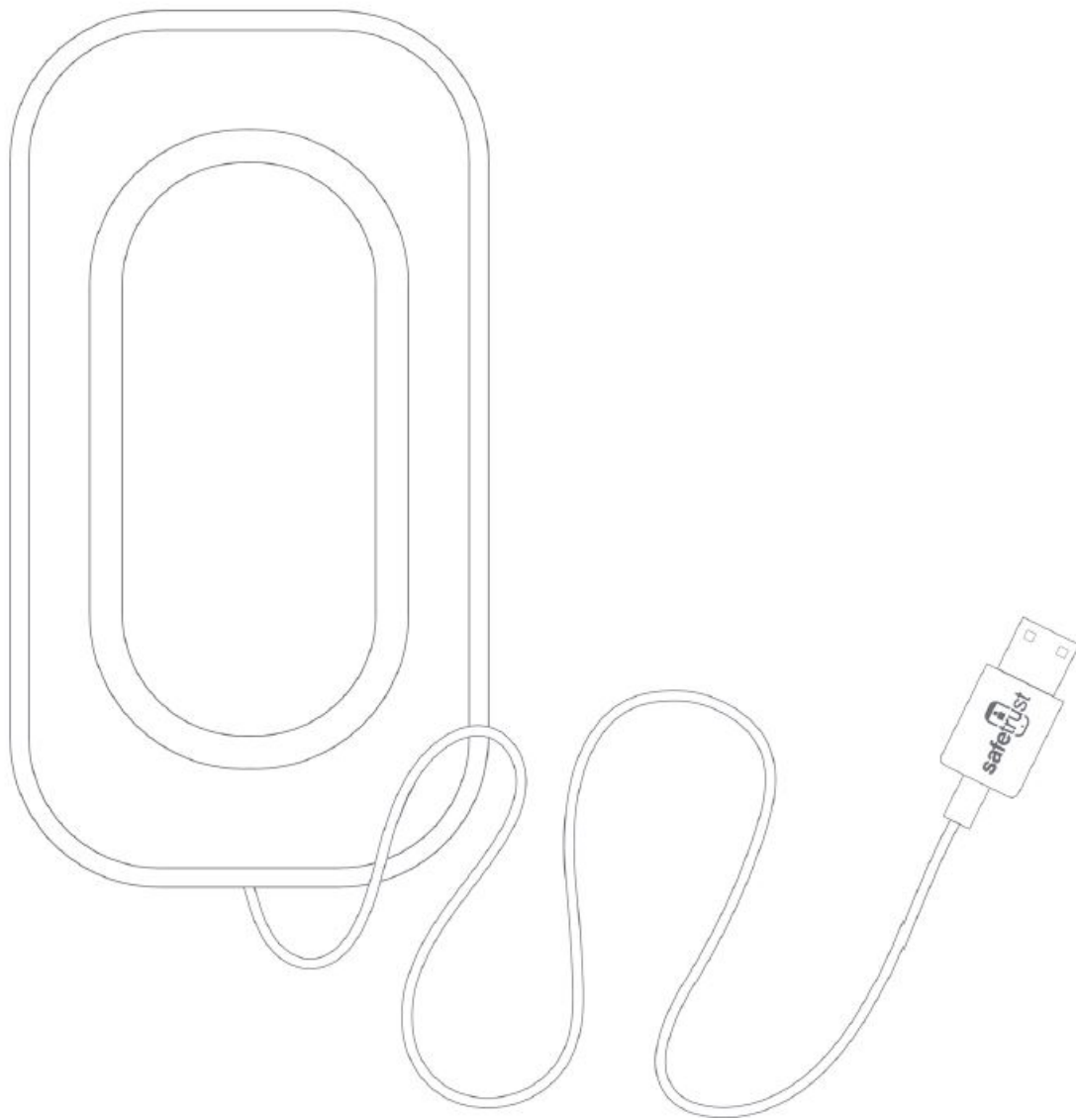- Safetrust Wallet App or a PC/printer/device to plug the USB into

Installation

To install

1. Uncoil the cord.
2. Plug the IoT Sensor USB Reader/Programmer into your laptop or desktop computer.
3. Within 5 seconds, the IoT Sensor will complete its power on cycle and be ready for configuration.

Configuration

1. Open the Safetrust Wallet App.
2. Select the Manage Sensor tab.
3. Choose a sensor to manage within range of the app.
4. Click on the sensor to select it and then click CONFIGURE.
5. Input sensor information including Identity System, Type of access, Name, Description, and Output settings.
6. Configure Wi-Fi settings and apply changes.
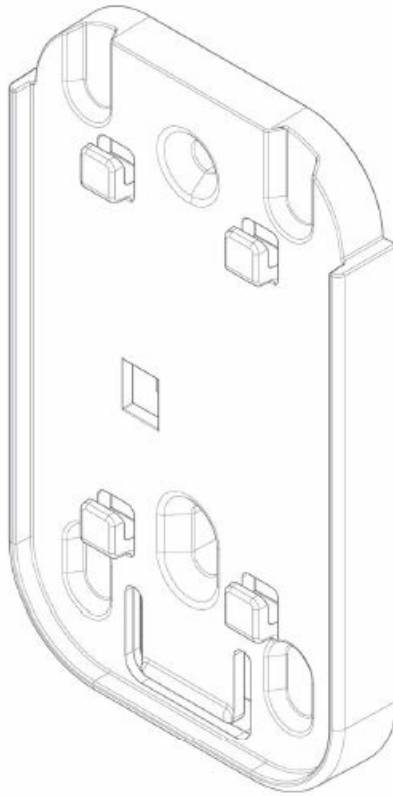7. Scroll to the bottom of the page and click SUBMIT to complete the configuration.

In the box

IoT Sensor USB Reader

- Cord is USB-A format (USB-C available as special order)
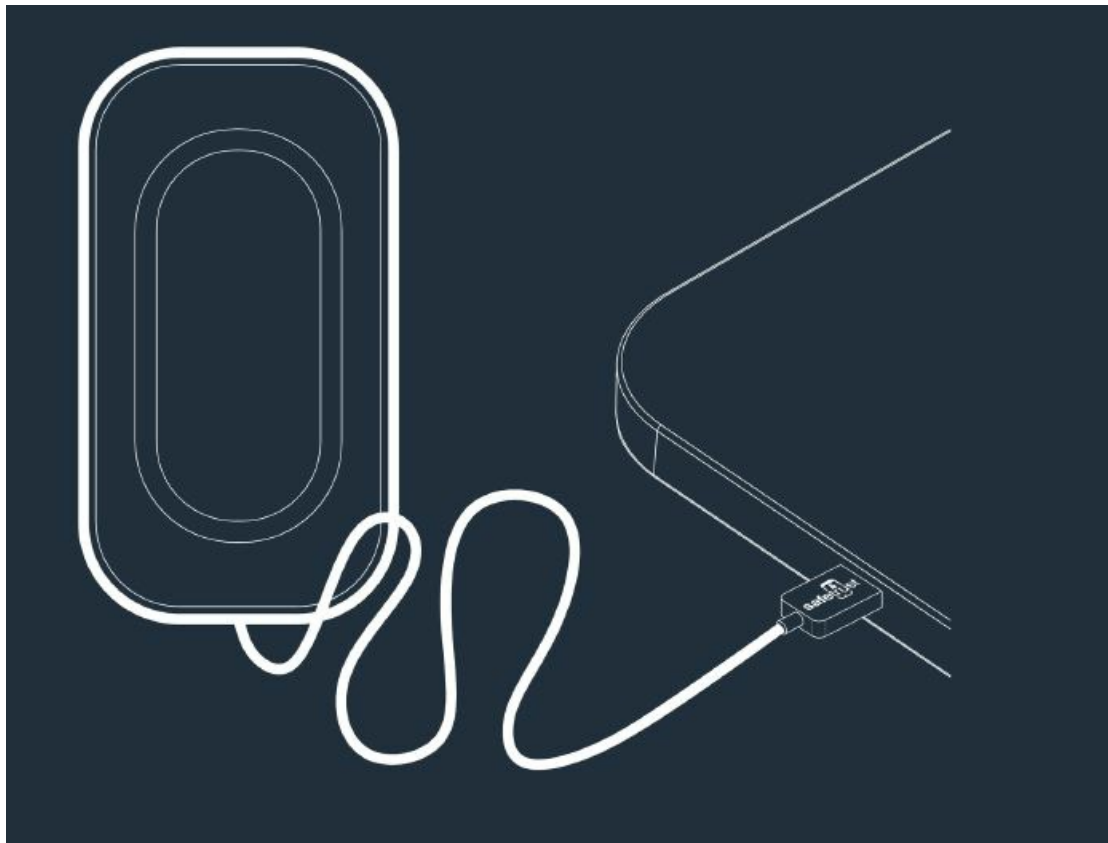
Mounting Bracket(Optional and sold separately)

com8700-5500-09 – Surface MountAdapter Bracket

- For mounting to wall(includes screws for fixing)

What you'll need

- A Wi-Fi connection is preferable however configuration is also possible using the Safetrust Wallet App
- A PC/printer/device to plug the USB into

Installation

- To install, simply uncoil the cord and plug the IoT Sensor USB Reader/or Programmer into your laptop or desktop computer. Within 5 seconds, the IoT Sensor will complete its "power on cycle" and be operational and ready for configuration.

Configuration

Open the Safetrust Wallet

- Open the Safetrust Wallet App and select the Manage Sensor tab from the navigation.
- Make sure your system administrator has set you up with a role that has rights to configurea sensor (e.g. Admin, Installer).
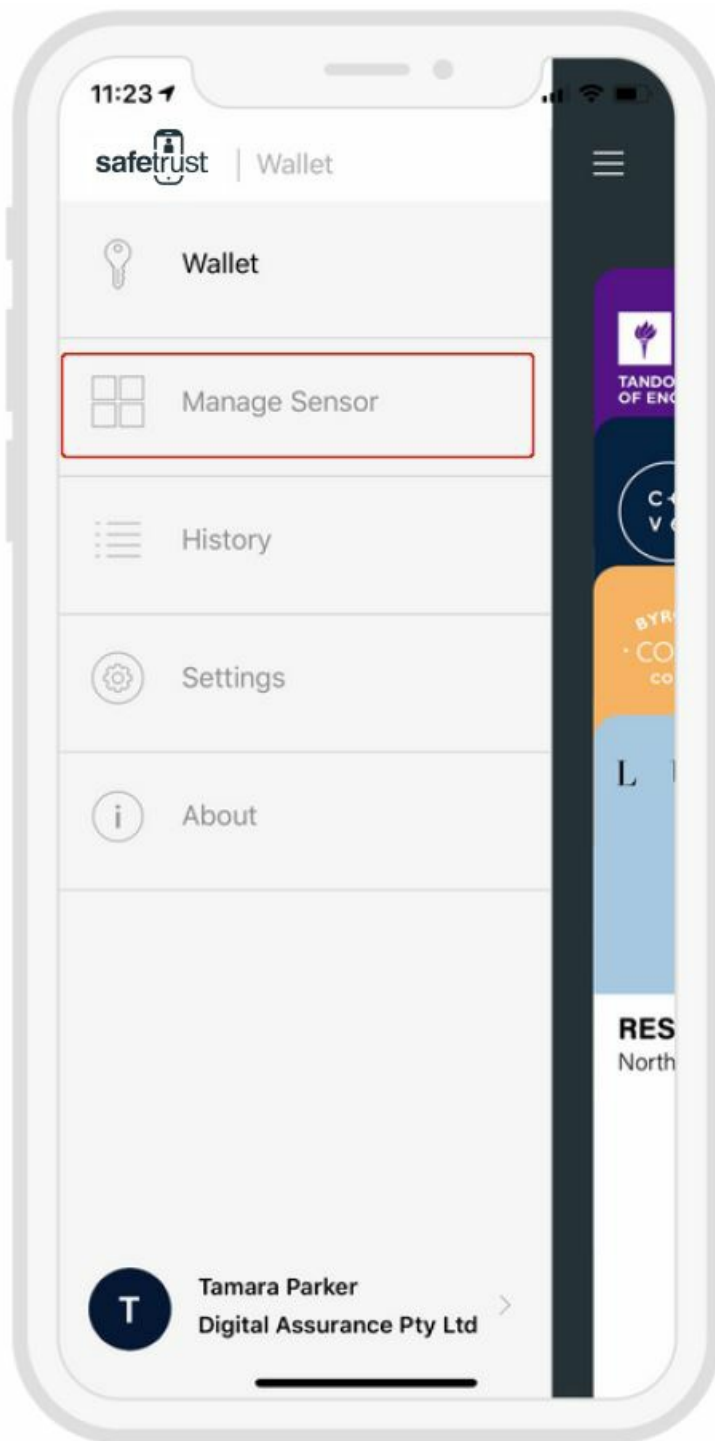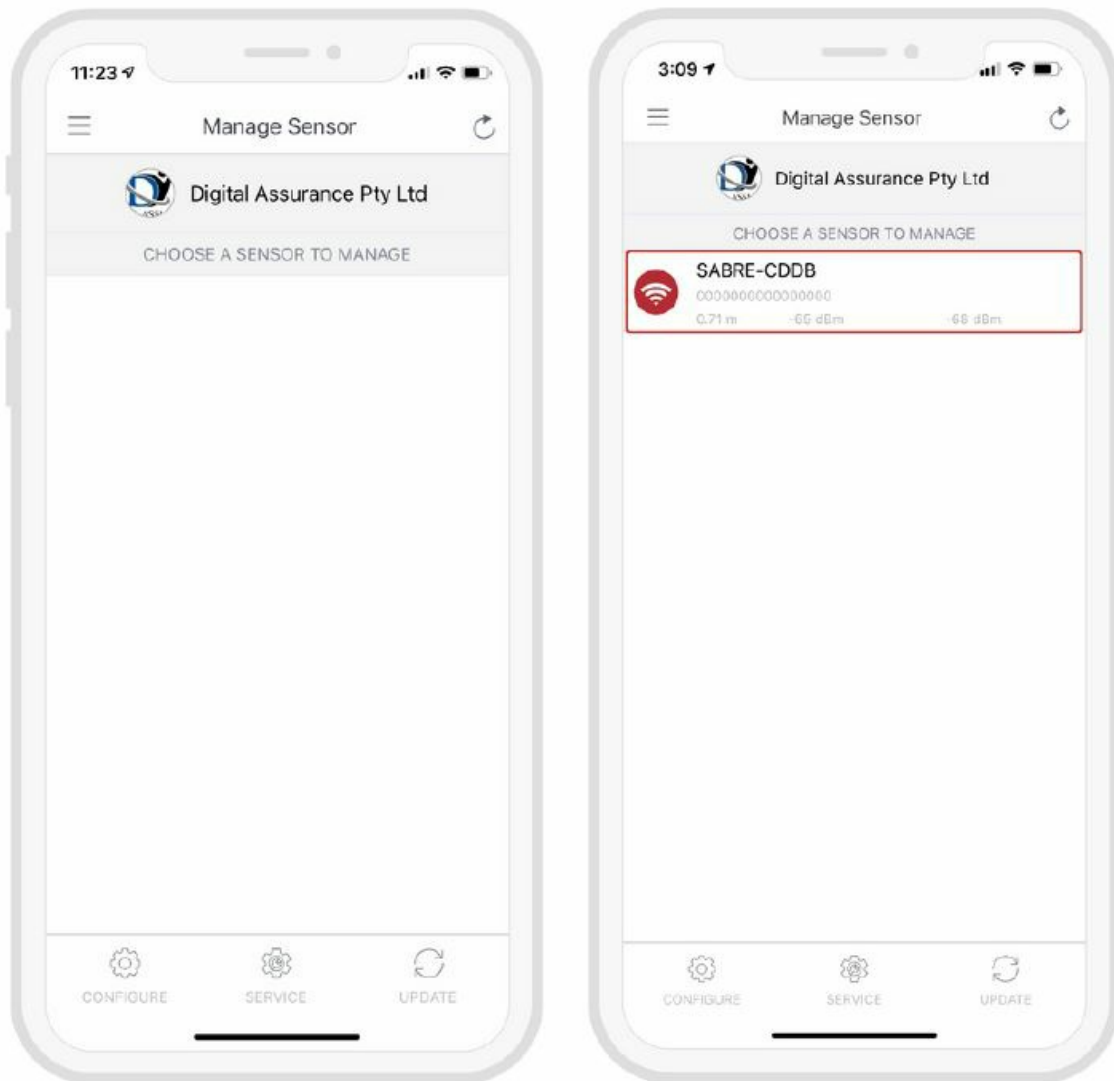
Choose a sensor to manage

With the Manage Sensor tab open, bring your phone within range of the sensor. Once the Sensor appears in the app, click on it to select it.

Note: If the sensor does not appear immediately, you may need to click the refresh button bin the top right-hand corner.

Once the sensor is highlighted, click CONFIGURE from the bottom options.

Input sensor information

The settings screen displays a range of configuration options for the sensor. However, thefollowing fields are the main settings that require action at this time:

- Choose an Identity System.
- Specify the Type of access from the dropdown (e.g. Computer, Printer etc.)
- Assign a short Name and Description using alphanumeric characters.
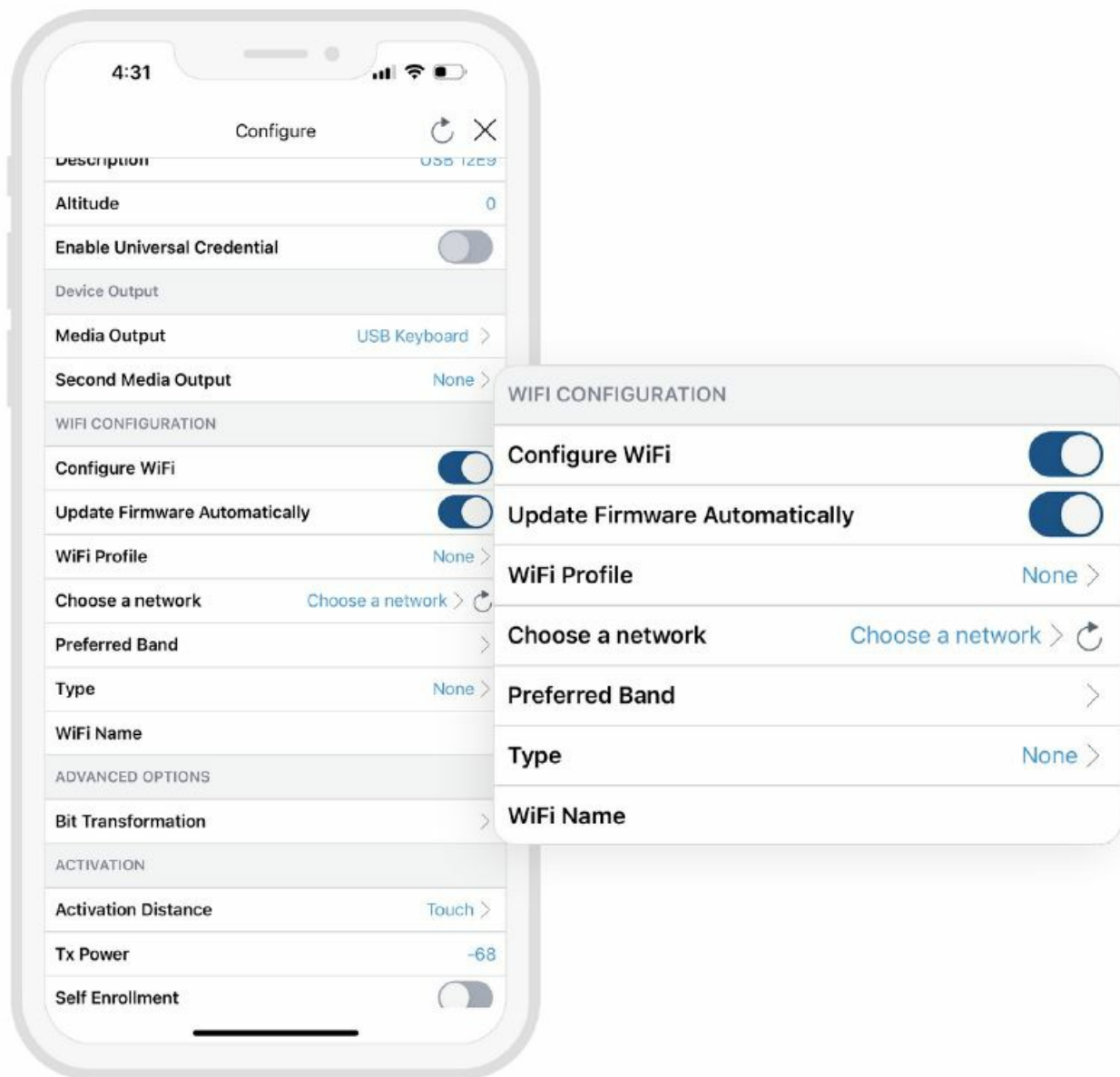- Choose an Output for the sensor (the default is set to USB Keyboard).
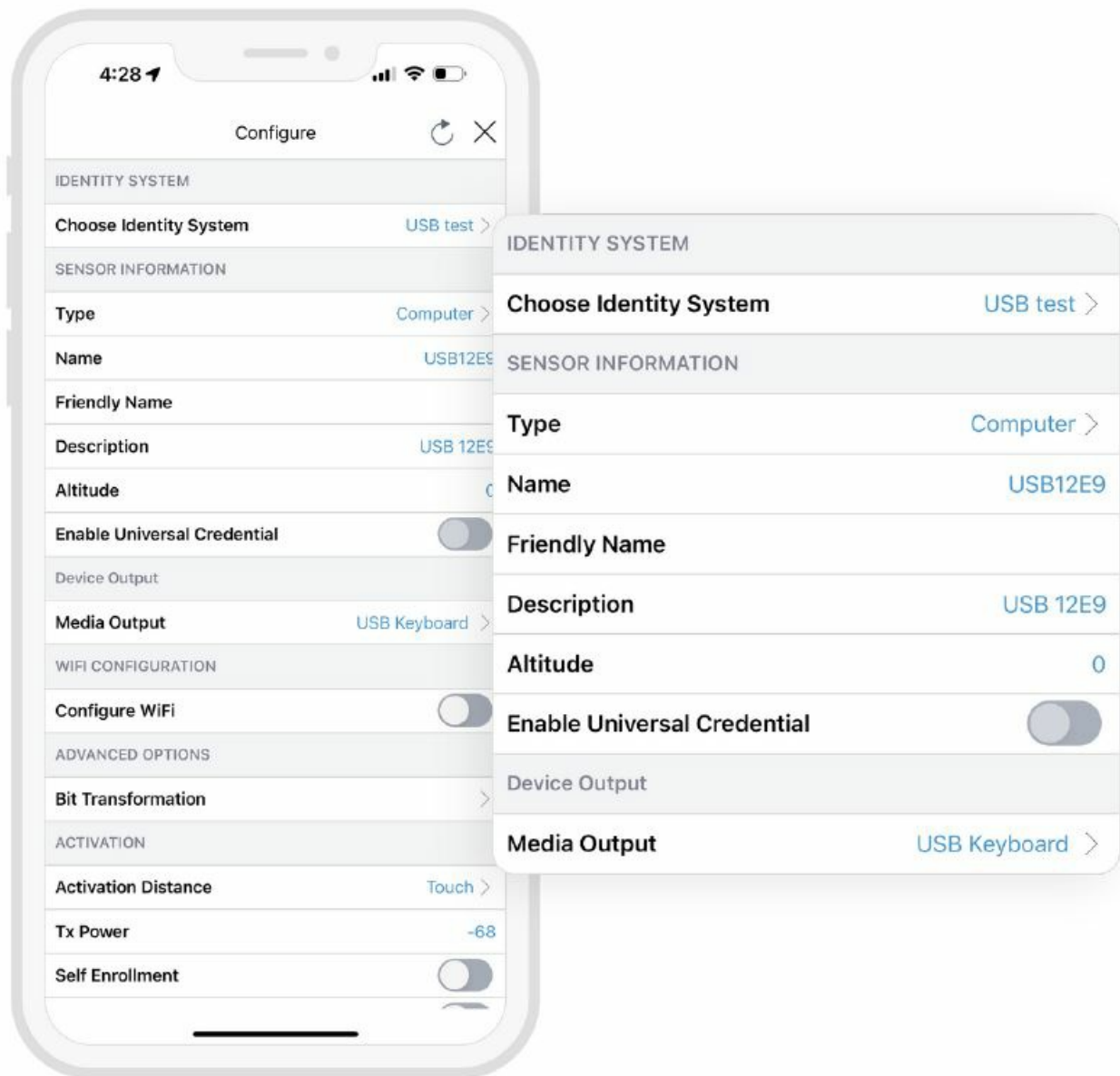
Configure Wi-FI

Tap the Configure Wi-Fi toggle to add a Wi-Fi configuration; select from an available Wi-Fi Profile or manually enter Wi-Fi details.

*__Note:__ The IoT USB will restart to apply the changes to the configuration.

Configuration Complete

Once you have adjusted all the configuration settings, scroll to the bottom of the page and click SUBMIT to successfully complete the sensor configuration.

When the Sensor information is saved successfully to Credential Manager and assigned tothe Identity System, the new description will appear in the Manage Sensor tab with a unique serial number assigned.
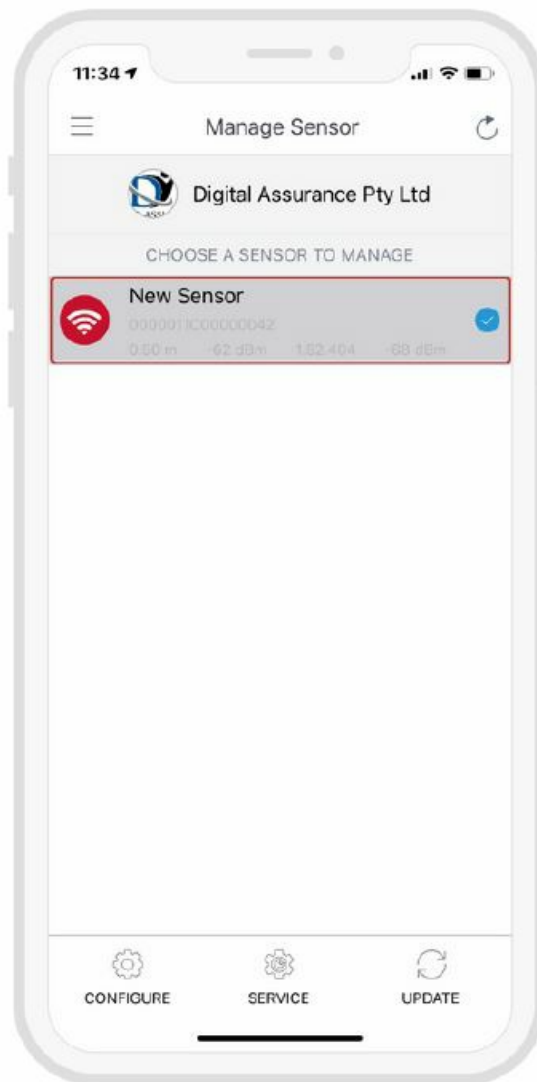
Settings Key

Output media USB

- Human Interface Device (Keyboard)
- Terminal Mode (CDC Serial)
- OSDP Over USB (CDC Serial)
- (future) CCID APDU (Smartcard)
- (future) Emulated Network Driver

Credential System

- Defines the credential number mask such as facility and card length.
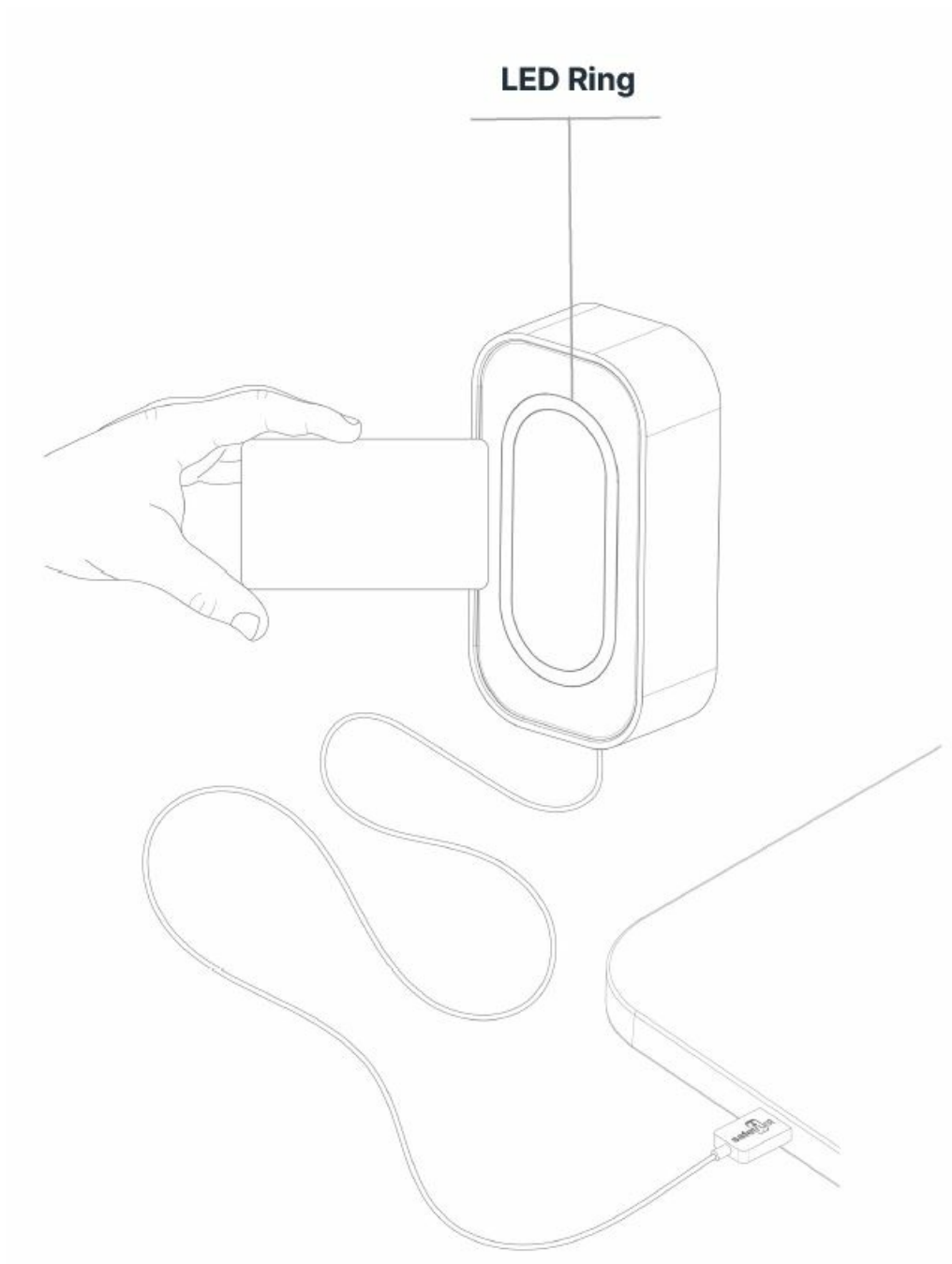- Supported technologies such as DESFire, Prox, iCLASS, Apple Access, HCE, etc.

Human Interface Device Data Model

- Hexadecimal Wiegand, Card Number, Facility+Card number
- Custom format with static text, card, facility raw
- Carriage return and line feed

Networking

- Enterprise-grade Wi-Fi options, including PPSK, 802.1x EAP/TLS

Testing

LED Ring

Access with cards
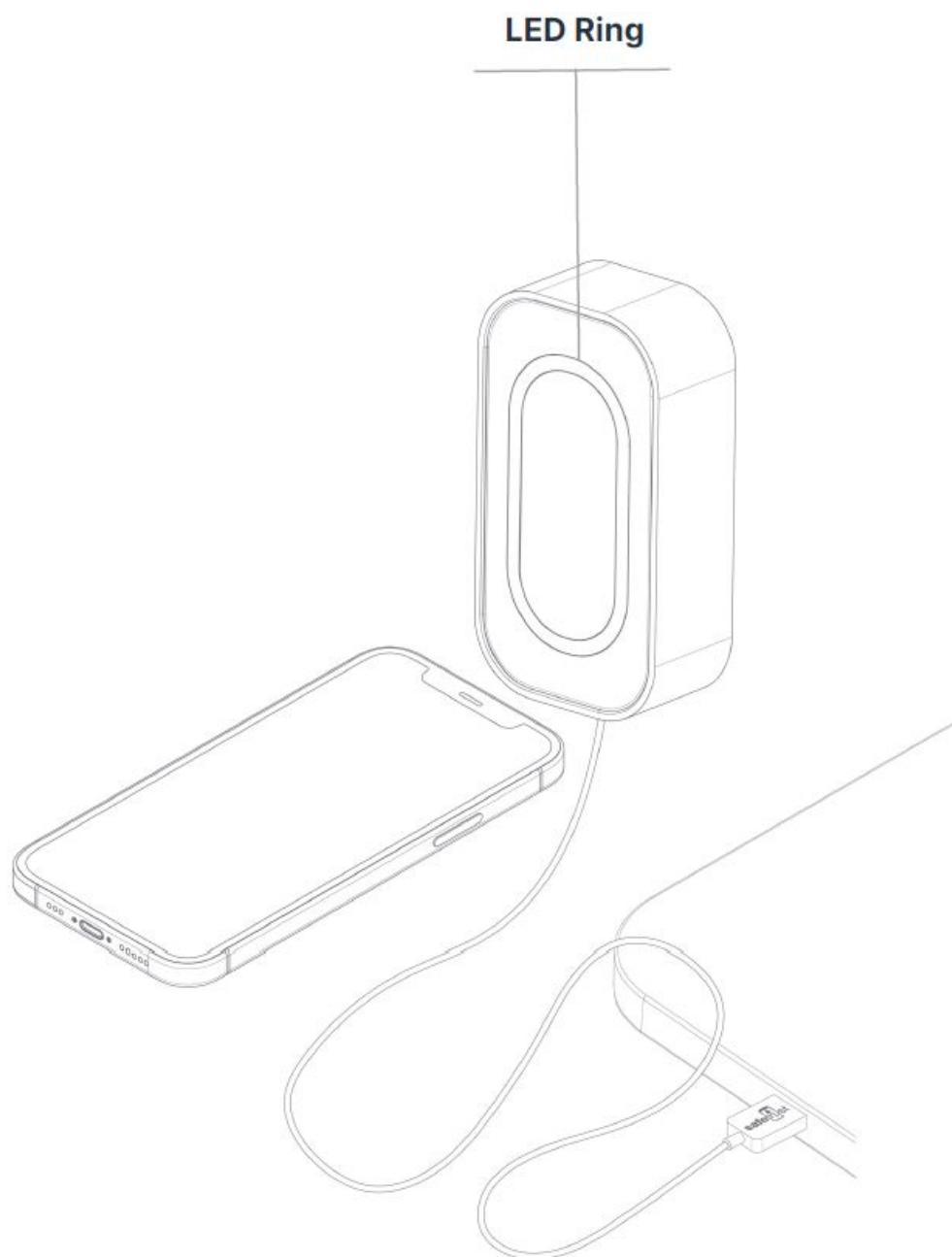
Status LED

●

Solid red

Indicates idle mode

☀ ☀ ☀

Flashing red, blue, green

Power up mode

☀

Flashing green

Card credential is read
and transmitted through
designated wires

LED Ring

Access with Mobile – BLE

Status LED

●

Solid red

Indicates idle mode

☀ ☀ ☀

Flashing red, blue, green

Power up mode
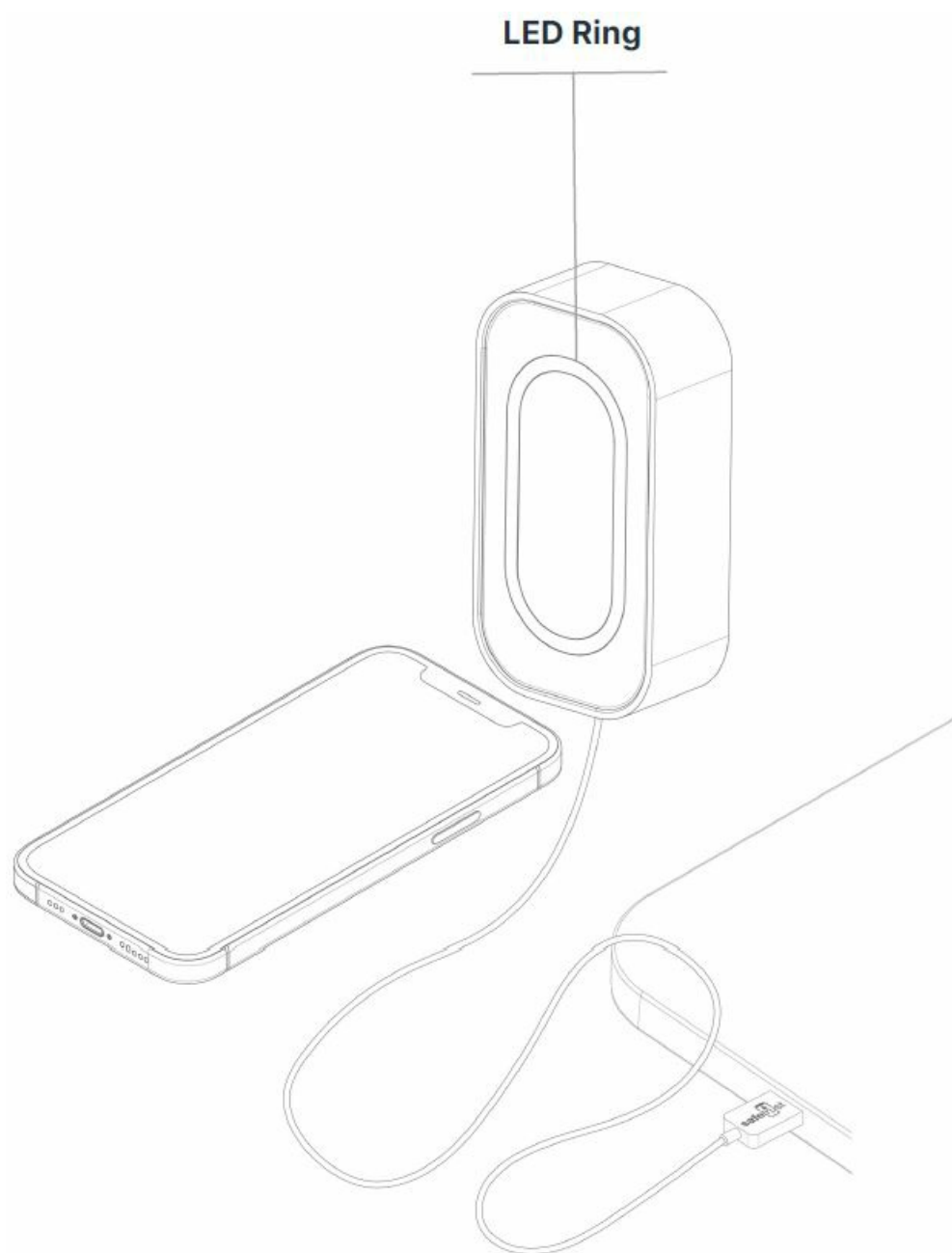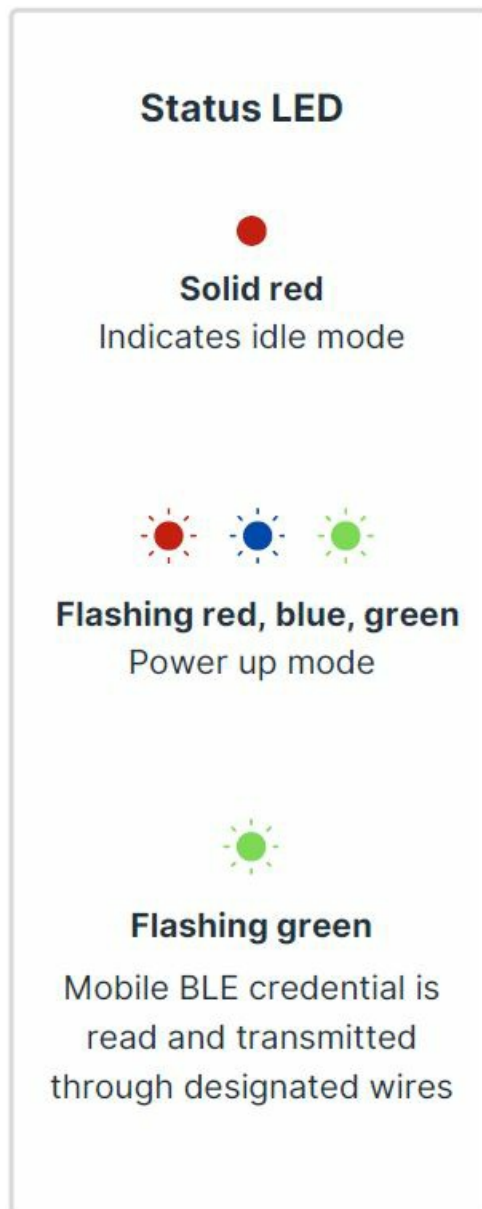
●

Solid Blue

Mobile credential
detected

☀

Flashing green

Mobile BLE credential is
read and transmitted
through designated wires

LED Ring

Access with Mobile – NFC

Status LED

Solid red
Indicates idle mode

Flashing red, blue, green
Power up mode

Flashing green
Mobile BLE credential is
read and transmitted
through designated wires

Regulatory Information

FCC: This device complies with part 15 of the FCC Rules. Operation is subject tothe 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.

Canada Radio Certification: 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 anyinterference, including interference that may cause undesired operation of the device.

CE Marking: Safetrust hereby declares that these proximity readers are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Support

Thank you for purchasing the Safetrust IoT Sensor USB.

If for any reason you need assistancewith your installation, please contact your local Sales representative.

Sincerely

The Safetrust Team

www.safetrust.com/support

sales@safetrust.com

FAQ

- **Q: Can I use a USB-C cord instead of the provided USB-A cord?**
  - **A:** Yes, a USB-C cord is available as a special order option for the IoT Sensor USB Reader.
- **Q: How do I know if my sensor is successfully configured?**
  - **A:** Once all configuration settings are adjusted and submitted, the new description with a unique serial number will appear in the Manage Sensor tab.

Documents / Resources

	[safetrust 8700-5500-09 IoT Sensor USB Reader](#) [pdf] User Guide 8700-5500-09, 8700-5500-09 IoT Sensor USB Reader, IoT Sensor USB Reader, Sensor USB Reader, USB Reader

References

- 📄 **[Safetrust Inc - Touchless Identity Solutions](#)**
- 📄 **[Safetrust Inc - Touchless Identity Solutions](#)**
- 📄 **[Help center](#)**
- **[User Manual](#)**