


safetrust
8855-000 IoT Sensor
USB Reader



safetrust 8855-000 IoT Sensor USB Reader User Guide

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safetrust 8855-000 IoT Sensor USB Reader



Product Information

Specifications

- **Product:** IoT Sensor USB Reader
- **Connection:** USB-A format (USB-C available as special order)
- **Optional Accessories:**
 - 9200-007-01 – 55 Degree Desktop Mount
 - 9004-08-10 – Wall Mount Bracket

Product Usage Instructions

- The package includes the IoT Sensor USB Reader and a USB cord (USB-C format available as special order). Optional accessories are available for separate purchase.
- To set up the device, you will need a WiFi connection or the Safetrust Wallet App. Additionally, a PC, printer, or compatible device to plug the USB Reader into is required.
- To install, uncoil the cord and plug the IoT Sensor USB Reader into your laptop or desktop computer. Within 5 seconds, the device will complete its power on cycle and be ready for configuration.
- Open the Safetrust Wallet App and navigate to the Manage Sensor tab. Ensure your system administrator has assigned you the necessary role. From the Admin Installer tab, bring your phone near the IoT Sensor, select Configure once visible, and follow the on-screen instructions.

Note: Ensure an Identity System is pre-created in the Safetrust Credential Manager portal by a system administrator before proceeding with the configuration.

- Tap the Configure WiFi button to set up a WiFi connection. You can either choose from available WiFi profiles or manually enter WiFi details. After configuring, tap 'Submit' to save settings. The IoT USB will restart to apply

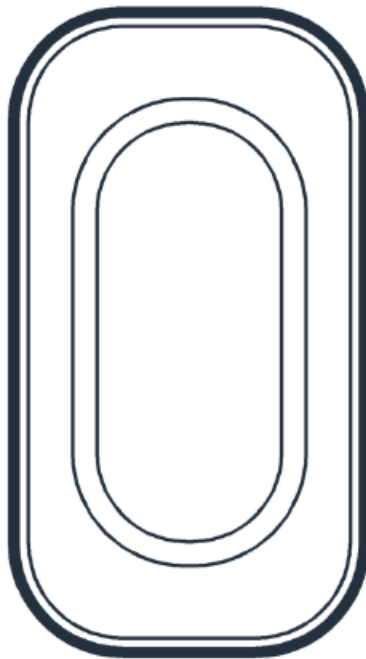
changes.

- Upon successful configuration, the IoT Sensor information will be saved to Credential Manager and displayed in the Manage Sensor tab with a unique serial number.
- Testing procedures should be conducted under your organization's protocols and requirements. Ensure proper functionality of the IoT Sensor USB Reader in your intended environment.

FAQ

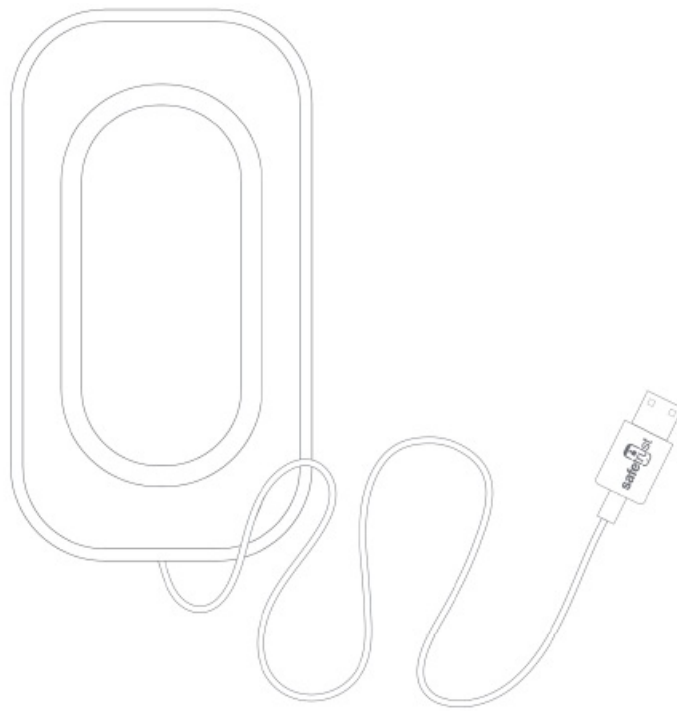
- **Q:** Can I use a USB-C cord instead of the provided USB-A cord?
- **A:** Yes, USB-C format is available as a special order option for compatibility with different devices.
- **Q:** What if I encounter issues during configuration?
- **A:** If you encounter any issues during configuration, please refer to the user manual or contact Safetrust support for assistance.

In the box



IoT Sensor USB Reader

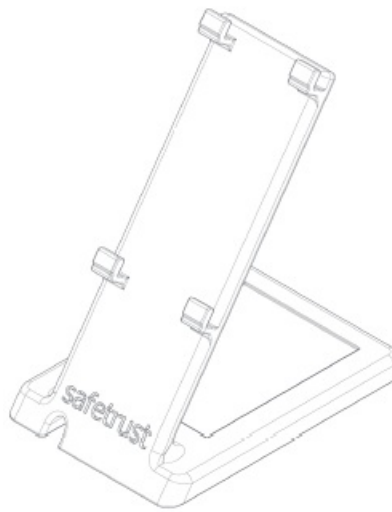
- Cord is USB-A format (USB-C available as a special order)



Optional Accessories

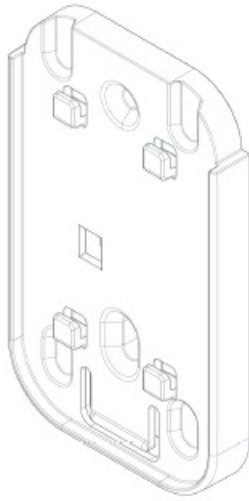
9200-007-01 – 55 Degree Desktop Mount

- Stand for use on desk environment



9004-08-10 – Wall Mount Bracket

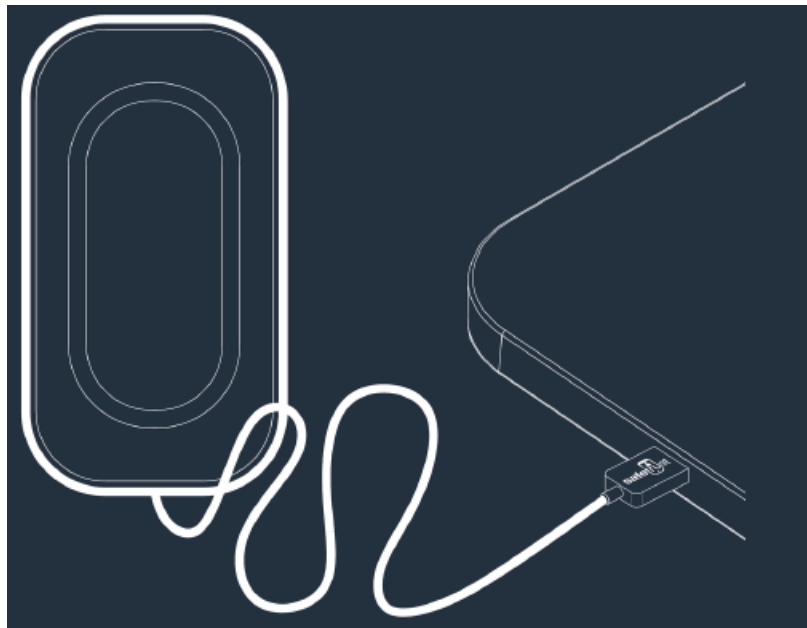
- For mounting to wall (includes screws for fixing)



What you'll need

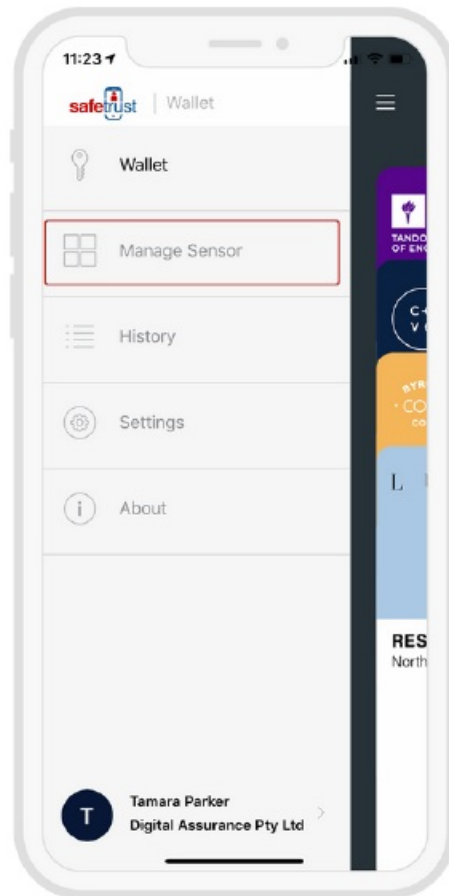
- A WiFi connection is preferable however configuration is also possible using the Safetrust Wallet App
- A PC/printer/device to plug the USB into

Installation

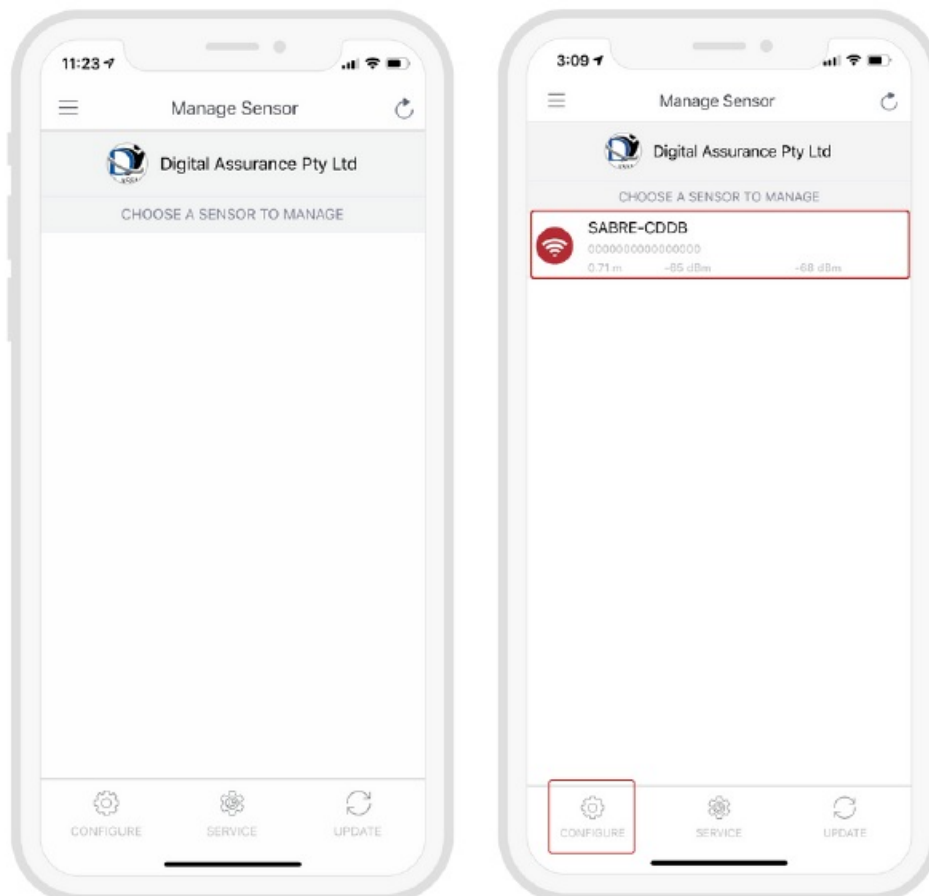


To install, simply uncoil the cord and plug the IoT Sensor USB Reader/or Programmer into your laptop or desktop computer. Within 5 seconds, the IoT Sensor will complete its “power on cycle” and be operational and ready for configuration.

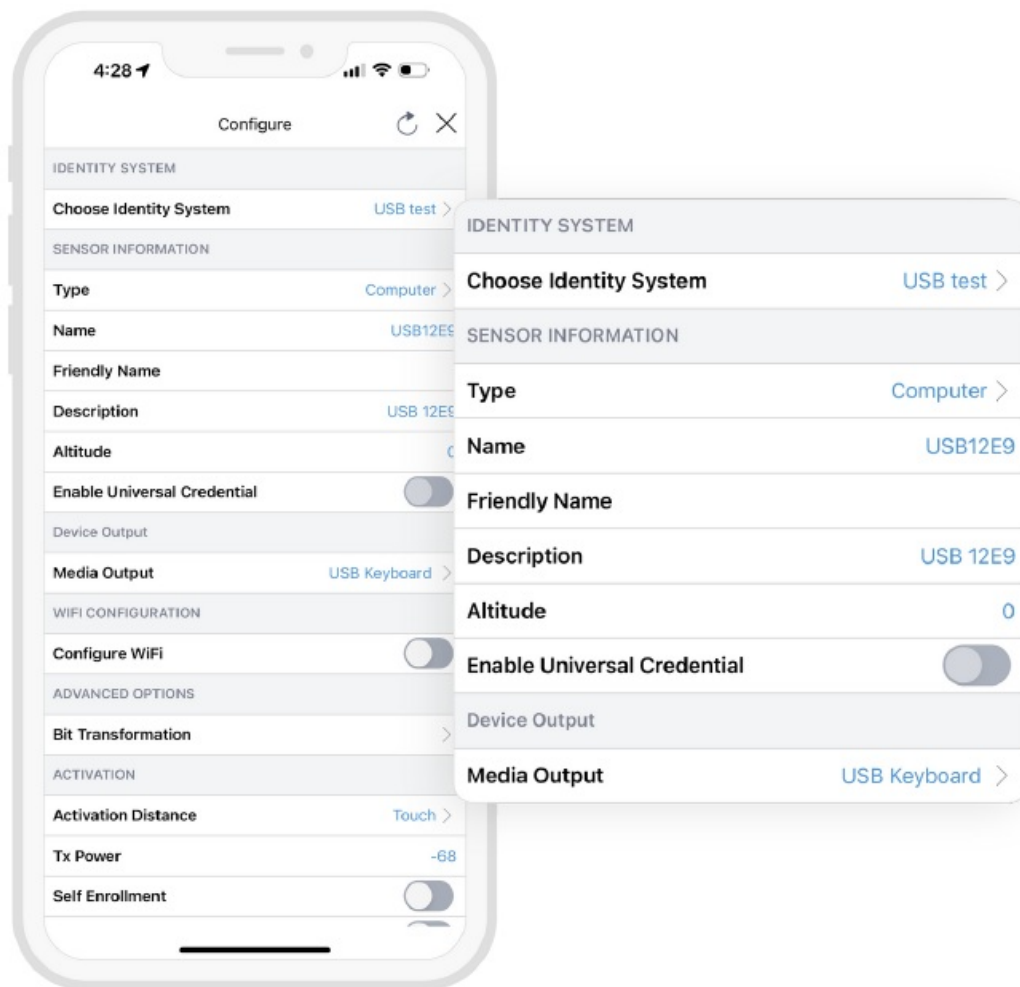
Configuration



- Open the Safetrust Wallet App and select the Manage Sensor tab. Make sure your system administrator has set you up with this role.

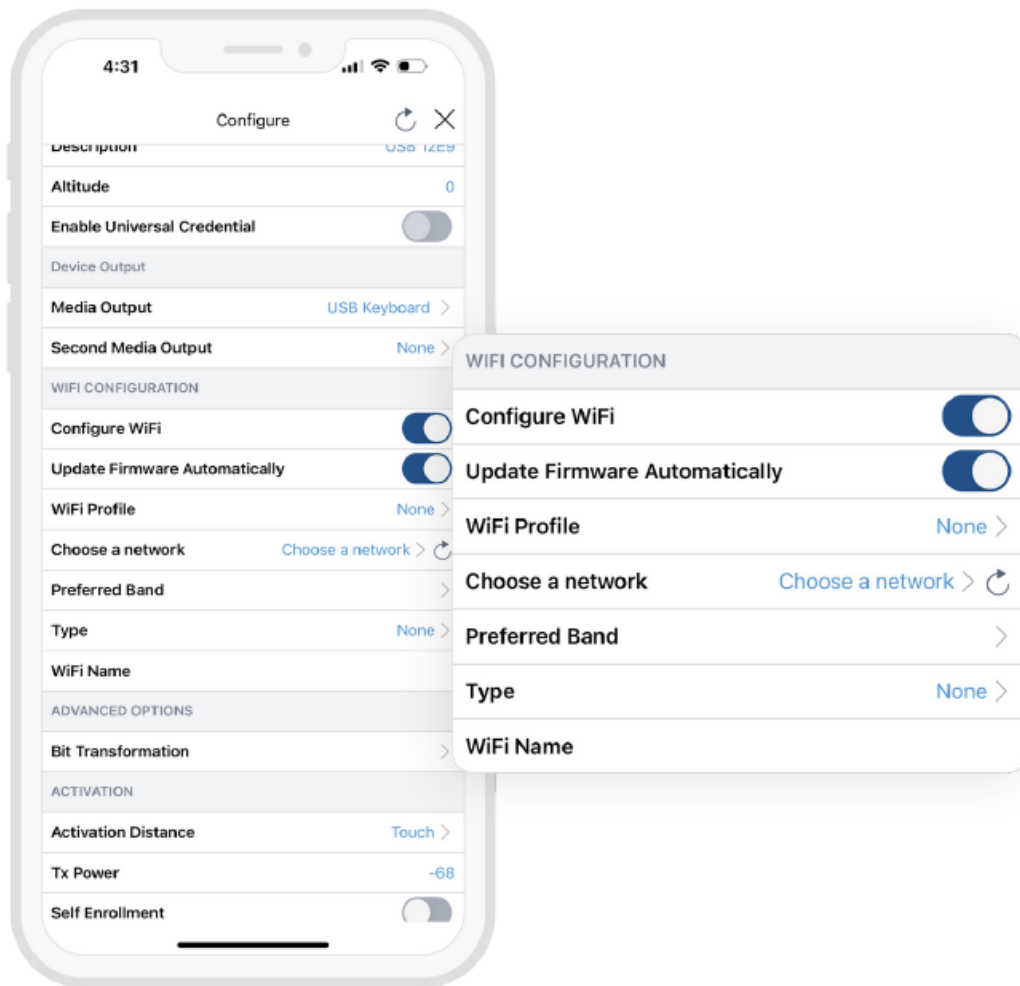


- With the Admin Installer tab open from the App, bring the phone in range of the IoT Sensor and once visible from the App, highlight and select “Configure.”



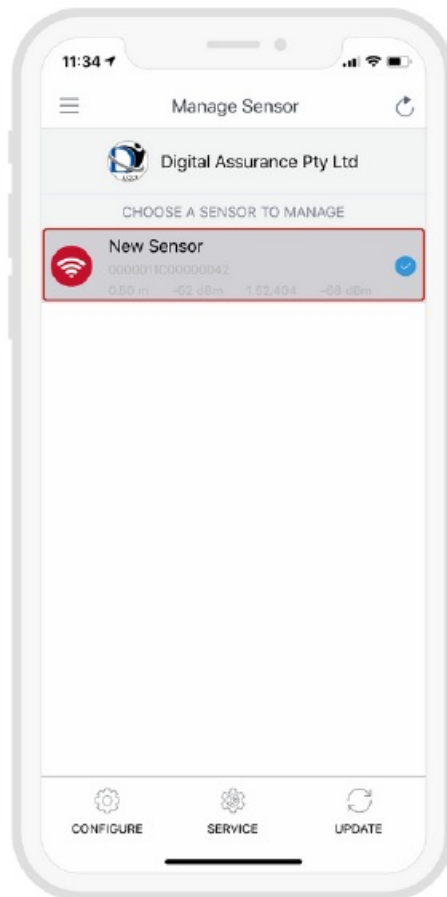
- Choose an Identity System*.
- Specify the Type of access from the dropdown (eg. Computer, Printer etc.)
- Assign a short Name and Description using alphanumeric characters.
- Choose a Media Output for the sensor (the default is set to USB Keyboard).

***Note:** Identity System must be previously created in the Safetrust Credential Managerportal by a system administrator.



- Tap the Configure WiFi button to add a WiFi configuration; select from an available WiFi Profile or manually enter WiFi details.
- Once complete, tap the 'Submit' button at the bottom of the configuration screen to save settings*.

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



- When the IoT Sensor information is saved successfully to Credential Manager and assigned to the 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

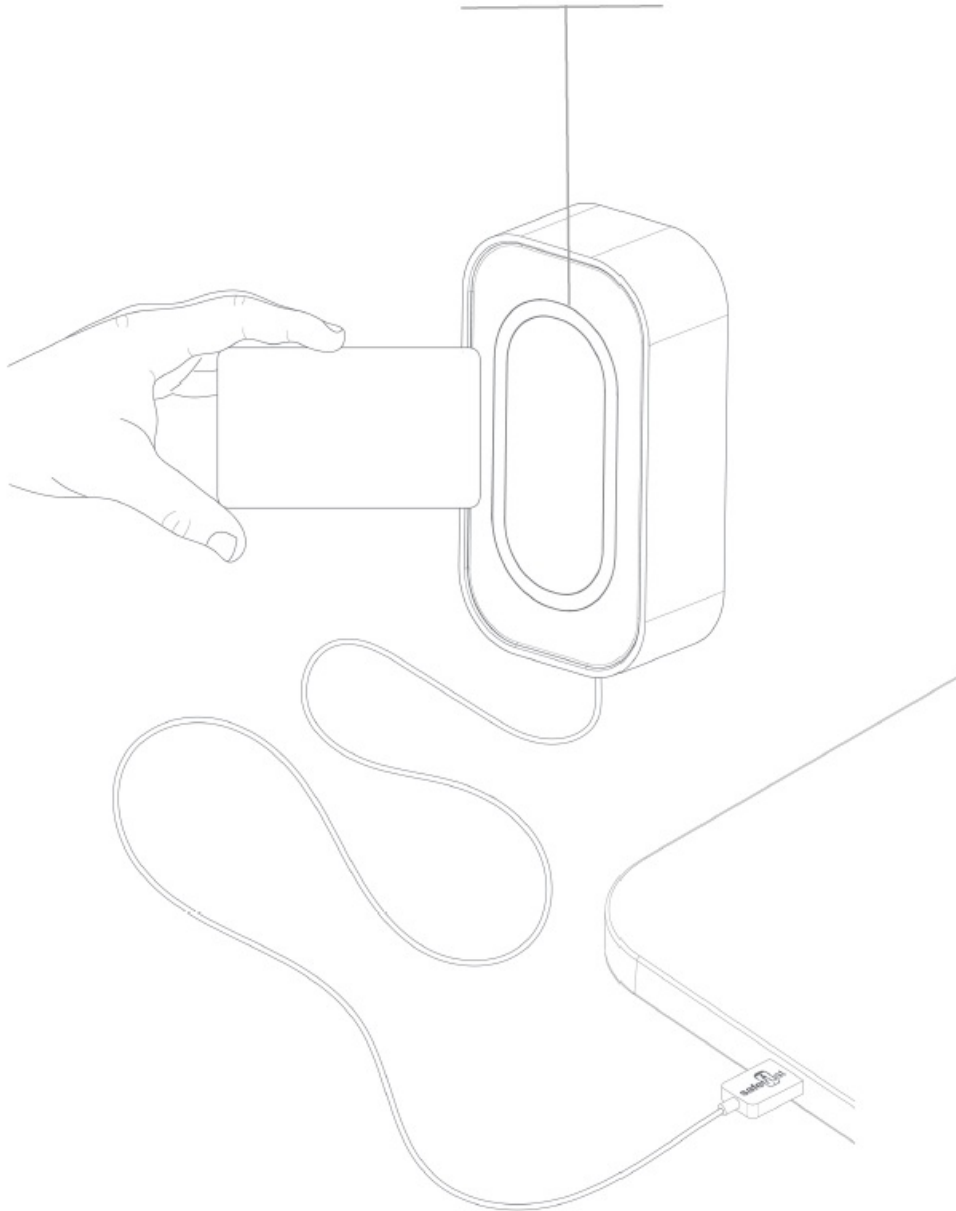
- Hexadecimal Wiegand, Card Number, Facility +Card number
- Custom format with static text, card, facility raw
- Carriage return and line feed

Networking

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

Testing

LED Ring



Access with cards

Status LED



Solid red

Indicates idle mode



Flashing red, blue, green

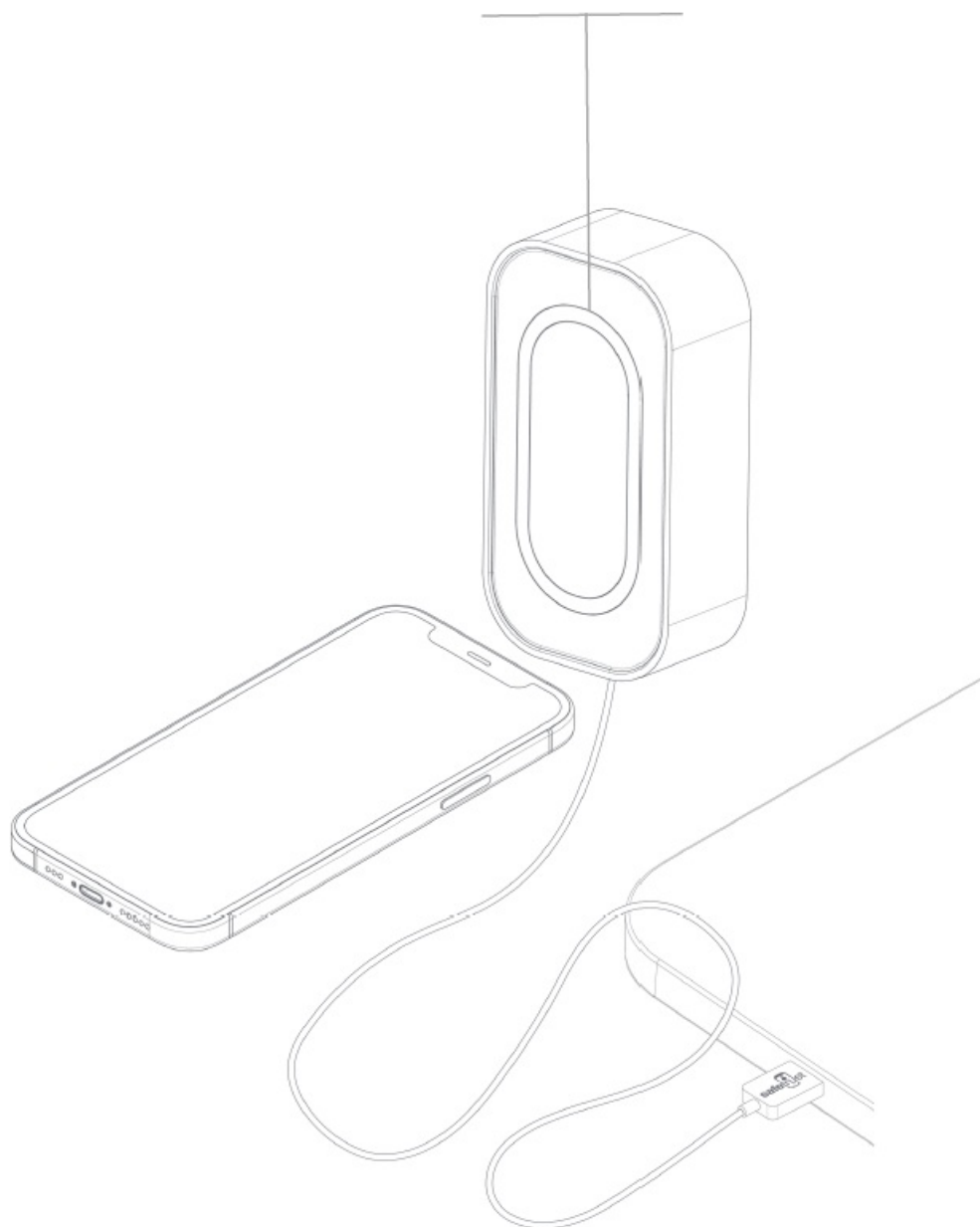
Power up mode



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

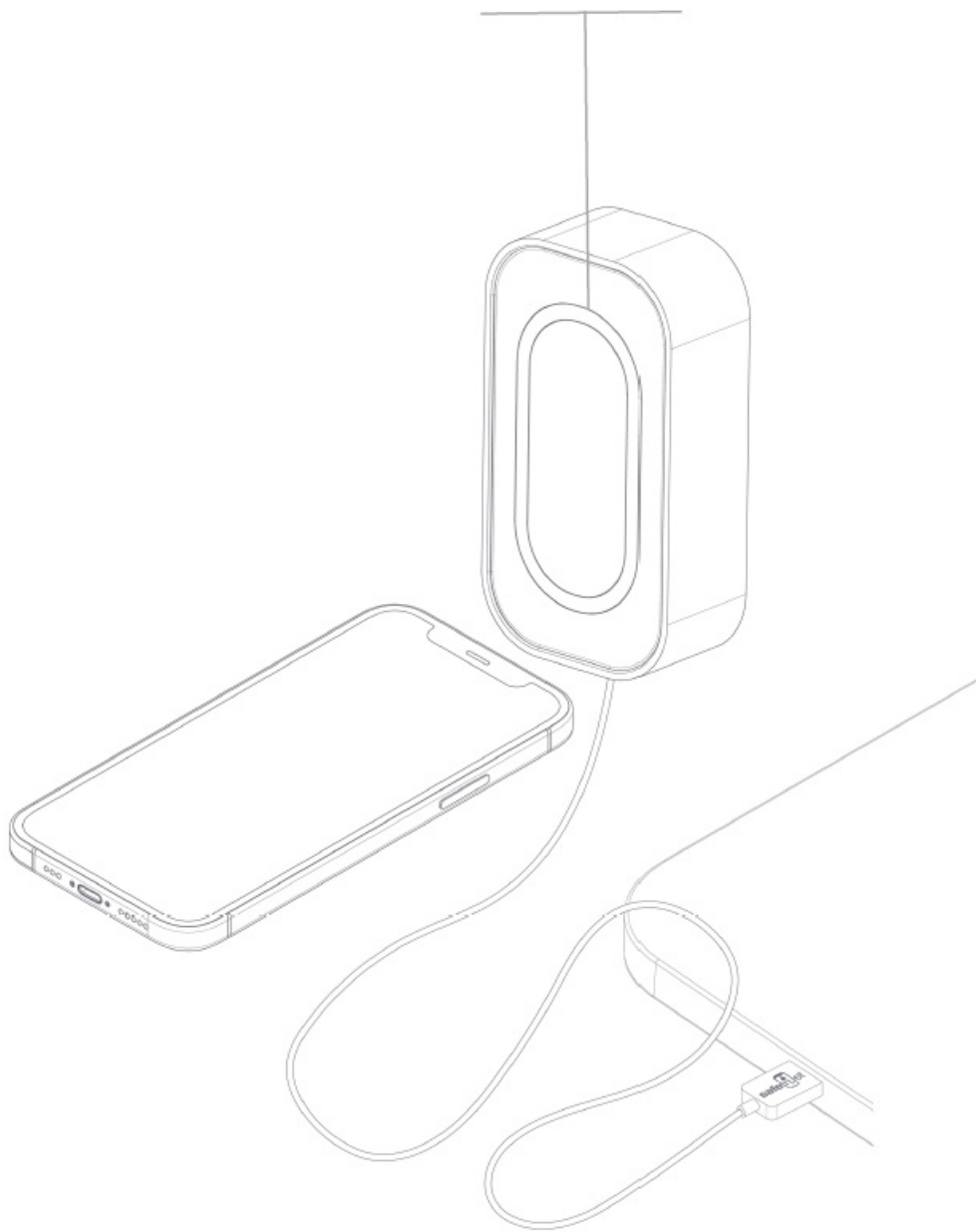
Mobile credential
detected



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

FCC STATEMENT

Regulatory Information

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.

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 any interference, including interference that may cause undesired operation of the device.

CE Marking: Safetrust hereby declares that these proximity readers comply 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 assistance with your installation, please contact your local Sales representative .

Sincerely – The Safetrust Team

- Safetrust Inc. safetrust.com
- sales@safetrust.com
- www.safetrust.com/support

Documents / Resources

	safetrust 8855-000 IoT Sensor USB Reader [pdf] User Guide 8855-000, 8855-000 IoT Sensor USB Reader, IoT Sensor USB Reader, USB Reader, Reader
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References

-  [Safetrust Inc - Touchless Identity Solutions](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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