



# safetrust SA300 SABRE INLINE Combination Bluetooth Low Energy Reader User Guide

[Home](#) » [safetrust](#) » safetrust SA300 SABRE INLINE Combination Bluetooth Low Energy Reader User Guide 

## Contents

- [1 safetrust SA300 SABRE INLINE Combination Bluetooth Low Energy Reader](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Quick Start Guide](#)
- [5 FCC](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)
- [7 Related Posts](#)



## safetrust SA300 SABRE INLINE Combination Bluetooth Low Energy Reader



## Product Information

## **SA300 SABRE INLINE SA350 SABRE RELAY**

The SA300 SABRE INLINE and SA350 SABRE RELAY are Bluetooth readers designed to wire into an existing legacy reader from the controller. Both the readers are suitable for parking gates, turnstiles, and other custom applications. The Safetrust BLE reader includes Wi-Fi communication, which permits two-way communication with the credential manager and is suitable for remote configuration or updates through the Safetrust library.

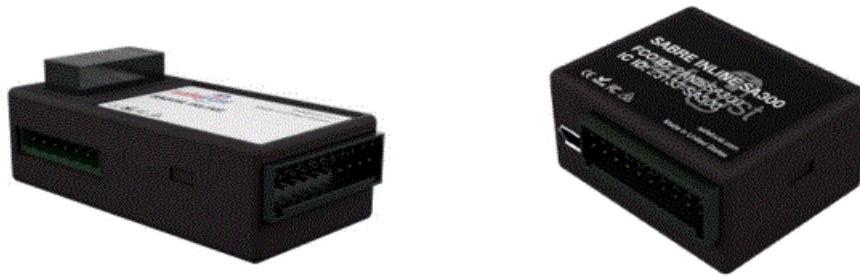
- The SABRE INLINE comes without the relay section of the board.
- The Panel Connector supports pass-through Wiegand or translates Wiegand to RS-485 (OSDP). It includes supplemental I/O for special applications.
- The Reader Connector wires into a legacy reader providing pass-through Wiegand, LEDs, and a buzzer. It has a supplemental trigger output.
- The Relay Connector (Relay version) offers a Form C relay and solid-state relay I/O. It is perfect for parking gates and other custom applications.

### **Product Usage Instructions**

1. Open the Safetrust Wallet APP and select the Admin Installer tab. Make sure your system admin has set you up with this role.
2. To configure the SABRE Module, bring the phone in range of the module and once visible from the App, highlight and select Configure.
3. Select the corresponding IDENTITY SYSTEM from the drop-down box. Assign a short Name and Description using alphanumeric characters. Enable the slider for Self Enrollment if you intend to allow your users to enroll mobile credentials using their existing legacy cards from this reader. Click 'Save' to successfully complete reader configuration.
4. To open the door, present your mobile device running the Safetrust Wallet application to the SABRE Module.
5. When the phone is within the configured activation range, the LED within the assigned credential for this identity system will be green in color.
6. If Auto Authenticate is enabled for the mobile credential, the credential will be sent to the SABRE Module whenever the mobile device is within the activation zone.
7. The two main configuration options are the Sensitivity Level to Activate slider, which determines how easily your mobile device will pick up the activation zone, and the Anti Passback setting, which defines the number of seconds between each attempt to resend a mobile credential. To adjust these settings, select the 'Settings' tab from the left navigation panel.

### **Quick Start Guide**

**SA300 SABRE INLINE**  
**SA350 SABRE RELAY**



1. The Bluetooth board is available as a SABRE INLINE or SABRE RELAY reader. If you order the SABRE INLINE it will come without the relay section of the board



2. Both the SABRE INLINE & RELAY are Bluetooth readers designed to wire into an existing legacy reader from the controller. Also suitable for parking gates, turnstiles and other custom applications. The Safetrust BLE reader includes Wi-Fi communication which permits two way communication with the credential manager and suitable for remote configuration or updates through the Safetrust library.

#### Panel Connector

Black - Ground  
 White - Wiegand Data 1  
 Green - Wiegand Data 0  
 Violet - 5 volt out (Max 500mA)  
 Brown - Trigger Input 2  
 Orange - Trigger Input 1  
 Yellow - Trigger Output 5 volts  
 Grey - RS-485 A  
 Blue - RS-485 B  
 Red - Power (7-25v DC)



#### Reader Connector

Red - Power (7-25v DC)  
 Orange - Green LED Out  
 Brown - Red LED Out  
 Green - Wiegand Data 0  
 White - Wiegand Data 1  
 Blue - Trigger Output 5 volts  
 Yellow - Trigger Output - Buzzer  
 Black - Ground



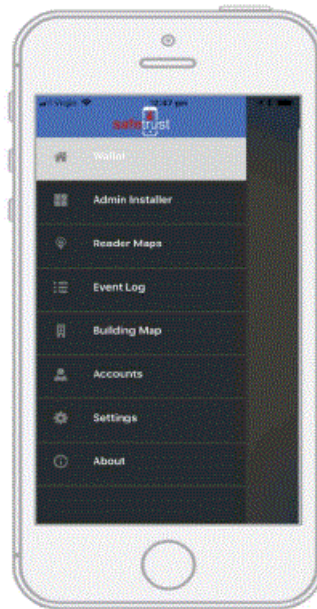
#### Relay Connector

Gray - Relay trigger output 5 volt  
 Yellow - Relay trigger input 3  
 Blue - Relay trigger input 4  
 Orange - Relay solid state PIN 1  
 Green - High voltage relay NC  
 Brown - High voltage relay Common  
 Violet - High voltage relay NO  
 Black - Ground  
 White - Solid state relay PIN 2  
 Red - Power (7 - 25 v DC)

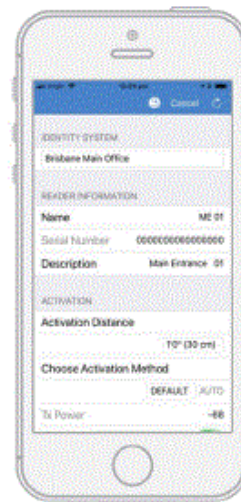
3. **Panel Connector** – Supports pass through Wiegand or translates Wiegand to RS-485 (OSDP). Includes supplemental I/O for special applications.

**Reader Connector** – Wires into a legacy reader providing pass through Wiegand, LEDs and buzzer. Supplemental trigger output.

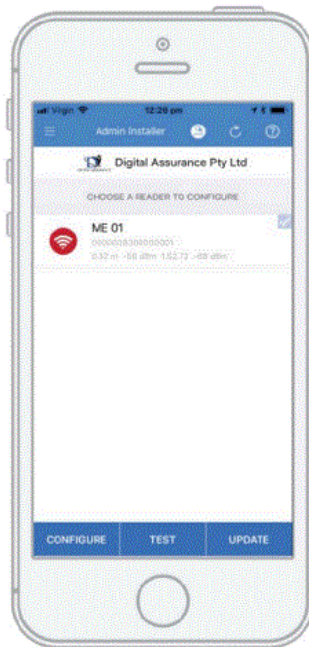
**Relay Connector (Relay version)** – Offers a Form C relay and solid state relay I/O. Perfect for parking gates and other custom applications.



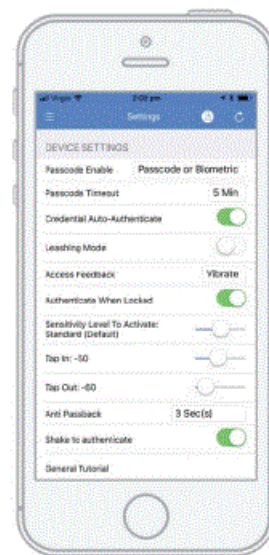
4. Open the Safetrust Wallet APP and select Admin Installer tab. Make sure your system admin has set you up with this role).



5. With the Admin Installer tab open from the App, bring the phone in range of the SABRE Module and once visible from the App, highlight and select “Configure”.
6. Select the corresponding IDENTITY SYSTEM from the drop down box. Assign a short “Name” and “Description” using alphanumeric characters. Enable the slider for “Self Enrollment” if you intend to allow your users to enroll mobile credential using their existing legacy cards from this reader. Click ‘Save’ to successfully complete reader configuration.



7. When the SABRE Module information is successfully saved to the Credential Manager, and assigned to the Identity System, the new description will appear in the Admin Installer with a unique serial number assigned.



8. To open the door, simply present your mobile device running the Safetrust Wallet application to the SABRE Module. When the phone is within the configured activation range, the LED within the assigned credential for this identity system will be green in color. If “Auto Authenticate” is enabled for the mobile credential, the credential will be sent to the SABRE Module whenever the mobile device is within the activation zone.
9. The two main configuration options for this are the “Sensitivity Level to Activate” slider, which determines how easily your mobile device with pickup the activation zone, and the “Anti Passback” setting, which defines the number of seconds between each attempt to resend a mobile credential. To adjust these settings, select the ‘Settings’ tab from the left navigation panel.

## FCC

**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.

#### Part 15.21 Statement:

Change or Modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**RF Exposure:** Mobile RF exposure device, there shall be a minimum separation of 20 cm between the device and any users or installers.

#### 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.

[www.Safetrust.com](http://www.Safetrust.com)  
[sales@Safetrust.com](mailto:sales@Safetrust.com)  
 +1 510 9 SAFE 09

#### SAFETRUST

MODEL SA300&SA350

**FCC ID:** 2ANI5SA300


**FCC ID:** 2ANI5SA350

**SN:** 1000000

MADE IN USA



#### Documents / Resources

	<p><a href="#">safetrust SA300 SABRE INLINE Combination Bluetooth Low Energy Reader</a> [pdf] User Guide</p> <p>SA300, SA350, SA300 SABRE INLINE Combination Bluetooth Low Energy Reader, SABRE INLINE Combination Bluetooth Low Energy Reader, Combination Bluetooth Low Energy Reader, Bluetooth Low Energy Reader, Low Energy Reader, Energy Reader</p>
---	--

#### References

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