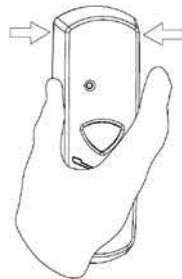




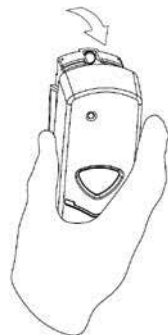
SR4 Installation Guide

Disassemble

1. Use fingers to squeeze the reader cover at the location where the arrows are pointing to



2. Pull the cover from the top of reader



Note: DO NOT use a screw driver or other implement to remove cover. Incorrect removal of cover may damage the LED and void the warranty.

Mounting

1. If necessary, use the drilling template provided to drill holes.
2. The mounting screw size is #3 gauge.

Note: Be careful of cables when drilling.

Wire Connection

Note: Power to the unit is provided from the listed control unit or from a separately UL listed 12V DC power-limited, access control power source. DO NOT supply power during installation.

Wiring methods shall be in accordance with the Electrical wiring regulation in your country / region.

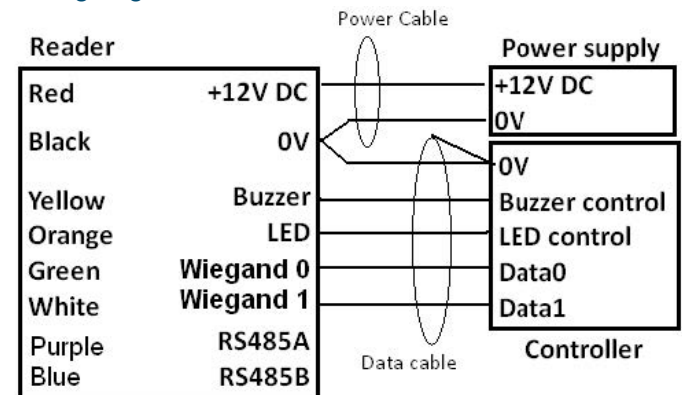
Check your circuit diagram for the colour coding of the circuit wiring. The reader can be damaged beyond repair if the wiring is connected incorrectly. This will void the warranty.

1. Connect the 0V wire to the power 0V line;

Note: The 0V line of all power supplies must be connected to a common 0V referencepoint.

2. Connect the Wiegand data wires;
 3. Connect the Buzzer and LED wires;
 4. Connect 12V DC wire;
 5. Place reader on the wall (Make sure the wires are not crushed. This will void the warranty of damage occurs)
 6. Insert and hand tighten the screws;
 7. Check that the reader is level before tightening the screws;
- Note:** Excessive tightening of screws may deform the casing, resulting in a damaged unit. This will void the warranty.
8. Turn on the 12V DC power to power up reader.
 9. Allow 5 – 10 seconds for reader to finish initialization (depends on the application). Make sure reader is functioning correctly according to the application specification.

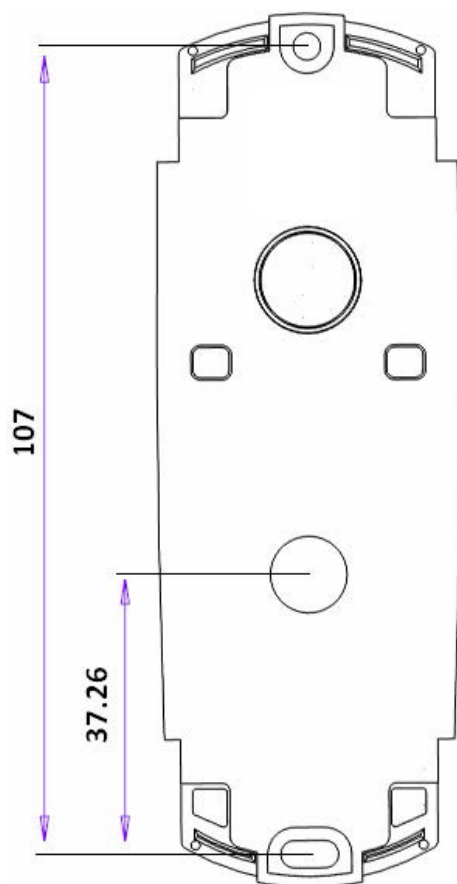
Wiring Diagram



Note: Do not cut separate white wires with black header connection, this is a reset header used for setting up or resetting the SR4 Mobile functionality.

Note:

- A shielded cable is recommended to be used. The shield is connected to controller 0V reference
- Maximum wiegand data cable length: 150 meters (500 feet)
- Buzzer and LED are low activated.
- Relay lines are only for optional use
- Insulate all un-used wires (do not terminate).



DRILLING TEMPLATE

- 10mm (0.39") diameter hole for wire entry
- 2 x 3.6mm (0.14") diameter holes for mounting screws

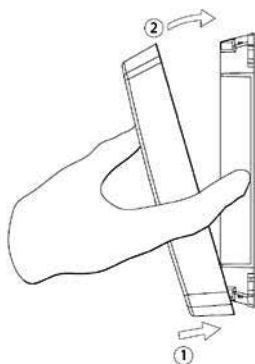
Cover

After checking reader function, attach front cover back to the reader

1. Align the bottom of front cover with the bottom of reader;

Note: Make sure LED is aligned to the LED hole on the cover;

2. Push the cover onto reader and a click sound can be heard.



External Use

Make sure the wire bundle to the reader has an IP rating of at least IP65

Handling

- Handle the reader with care. DO NOT damage or drop unit before installation. This will void the warranty.
- If the case is damaged, the reader may not be to the specified IP rating. Replace the reader if the case is damaged.

Maintenance

Once installed the reader requires no maintenance.

Troubleshooting

Problem	Troubleshooting Steps
Power on reader — reader does not start up	<ol style="list-style-type: none"> 1. Check connections 2. Check the voltage at the reader 3. Check the current capability of the powersupply
Power on reader — reader keeps beeping	<ol style="list-style-type: none"> 1. Check buzzer line 2. Check the voltage at the reader 3. Check the current capability of the powersupply
Power on reader — LED stays green	<ol style="list-style-type: none"> 1. Check LED line
Present a card to reader — a beep is heard but reader does not output any data	<ol style="list-style-type: none"> 1. Check whether the card has data encoded 2. Check the wiegand connection to controller 3. Check the voltage level on wiegand data lines
Present a card to reader — no response from reader	<ol style="list-style-type: none"> 1. Try a known working card 2. Check if the reader requires to be configured with a configuration card

Specifications

Output protocols	Wiegand
Power requirements	8VDC to 16VDC (nominal operating voltage 12VDC)
Current consumption	80mA (Avg) 160mA (Peak)
Frequency	BLE 2.45GHz 13.56MHz
Relay rating	80mA
Read range	20mm to 40mm (0.8" to 1.6") at 12VDC for physical credentials Approximately 900mm (3") for BQT mobile credentials (BT955 Only)
Operating temperature	-25°C to +65°C (-13°F to +149°F)
Relative humidity	90% max, operating non-condensing
Reader dimensions	119mm(L) x 43mm(W) x 21mm (D) (4.69"x1.69"x0.83")
Status LED	Green & Red
Audible tone	Internal and external buzzer control
Color finish	Charcoal
IP rating	IP65

Regulatory Information

C-Tick: This device is C-Tick complied.

CE: The device has passed all relevant tests and obtained CE approval.

FCC: 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 of the device.

Warning: 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.

Any changes or modifications not expressly approved by SimpleAccess could void the user's authority to operate this equipment.