SOLO®

SOLOreader

User manual
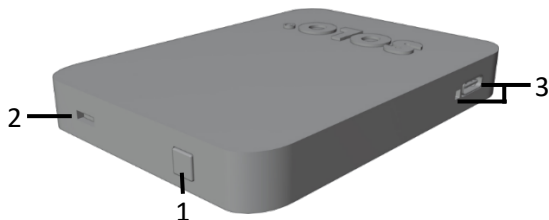
Model: 5010V1

V1.2

08/02/2025

Overview

SOLOreader is a powerful RFID reader & Bluetooth device capable of scanning and transmitting data to a device running the SOLOstudio app in order to trigger specific show cues.

SOLOreader can also receive feedback from your device, notifying you of actions taken, which can be fully customised in app. SOLOreader is light, discreet and can operate for up to 8 hours on a single charge.

Technical Data

Dimensions	89mm x 64mm x 11mm
Weight	40g
Battery	3.7v rechargeable
Battery life	Up to 8 hours
Charge rate	5V ⎓ 0.09A
Charge time	4 hours
RFID scan range	< 7" (180mm)
Bluetooth Protocol	BLE 5.2
RFID Protocol	ISO15693
RFID frequency	13.56MHz

SOLOreader Information

1. Power Button
2. Notification light
3. Charging port and charging light

Notification led (when powered on)

Flashing blue	Pairing (when no devices connected)
Green blink	Notification received
Red blink	Unrecognised tag
Steady red	Error
Steady blue	Pairing mode enabled
No light	Normal operation / Standing by

Getting Started

1. Download SOLOstudio® from the App Store®
2. Connect SOLO®reader to SOLOstudio®
3. Add cues and assign RFID tags

Connecting the SOLOreader

1. Power on SOLOreader by pressing the power button (blue notification LED will flash).
2. Open the SOLOstudio app and tap the 'Devices' icon 📱⁾ in the bottom right corner.
3. In 'Available Devices' column, tap 'SOLO NFC' and follow the on-screen instructions.

POWER OFF: Press and hold the power button until the device vibrates and the led flashes.

TOGGLE PAIRING MODE: When SOLOreader is connected to a device, press the power button. The blue light with illuminate. To exit this mode, tap power button again.

HARD RESET: Press and hold the power button for 5 seconds or more, and release.

The battery

When SOLOreader is powered on but unused for a period it will power itself off to preserve power and extend battery life. This 'Idle auto power off' period can be set in 'Device Settings' in the SOLOstudio app when the SOLOreader is connected.

CAUTION: The maximum operating temperature is 40°C.

NOTE: Only charge SOLOreader using the USBC cable provided and using a reliable power source.

5V ⎓ 0.09A
Charge time: 4 hours

⚠ **DO NOT LEAVE UNATTENDED WHILE CHARGING**

Do not charge battery below 10°C or above 40°C.

Warranty

Solo Automations Ltd provides the SOLOreader device with a 12-month warranty commencing on the delivery or collection date. During this 12-month period, Solo Automations Ltd warrants that the device will be free of material defects that prevent its normal operation. If you have purchased the SOLOreader device as a consumer and not for commercial use, the warranty will apply during such longer period as prescribed under applicable mandatory consumer protection laws. Solo Automations Ltd will not be liable for any damages or defects to SOLOreader caused by normal wear and tear, improper use or by accident, malicious damage, hazard, excess humidity, liquid ingress, electrical stress, or other environmental conditions not commonly found in a normal safe working environment.

Solo Automations will not be liable if the defect arises because you have failed to follow Solo Automation Ltd's written instructions as to storage, installation, use or maintenance of SOLOreader or if you alter or attempt to repair the relevant device without the written consent of Solo Automations Ltd. Solo Automations Ltd's warranty does not extend to cables, accessories, plugs, or power supply units.

Returns

It is your responsibility to return the faulty device to Solo Automations Ltd.

Solo Automations Ltd will, in its discretion, either repair or replace faulty devices within 90 days of the date of receipt of the device.

Solo Automations Ltd advises you to carefully check the device before dispatch to ensure that it is defective. Any device returned which is not found to be defective or has been damaged or misused by you will be returned to you and you will be invoiced for the cost of shipping. A repaired or replaced device will be warrantied for the unexpired portion of the original warranty.

Legal notice

Please note that the use of this accessory with an Android device, iPhone, or iPad may affect wireless performance.

Important notice regarding use

Solo Automations Ltd supplies the SOLOreader device for use by you or your business, as applicable, and you agree not to use the product for any resale purposes.

You must not use the product for any purpose other than cueing music and special effects through your installed version of the SOLOstudio app. You may not modify the app or the hardware of the product in any way, save to the extent permitted by mandatory law.

Care taking and handling

Keep the SOLOreader in a cool, dry place (ideally, 22º C) and the maximum operating temperature is 40º C (Celsius). Use a lightly damp, soft, cloth to clean the device's exterior. Do not spray any type of liquid directly on the device and do not get moisture in any openings. Do not use solvents. Make sure nothing gets inside your device through an opening, such as the LED light slots or USBC port. Do not expose to shocks or negligent handling.

Changing the battery is not permitted. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions. **Do not charge battery below 10ºC or above 40ºC**.

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www.solosfx.com/support