www.schneider-electric.com

BLUEFER
Quick Start Guide

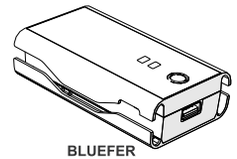
REL52850
Serial to BLE Bluetooth converter

04 - 2019

IS_REL52850_BLUEFER_EN_2019

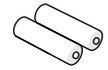
Schneider Electric

Package Contents



BLUEFER
(REL52850)

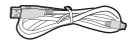
Quick Start Guide



2x Li-Ion Batteries

RJ45 to DB9 cord

RJ45 to mini-DIN cord



USB A-B cord

Mini USB cord

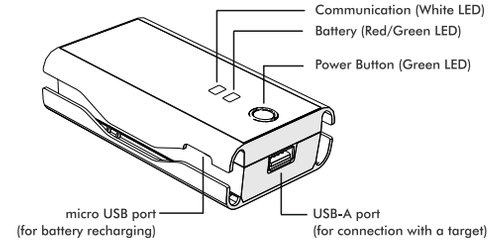
Micro USB cord

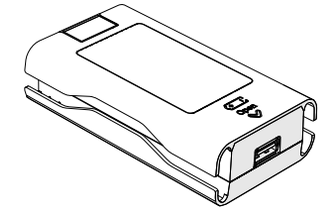
System Requirements

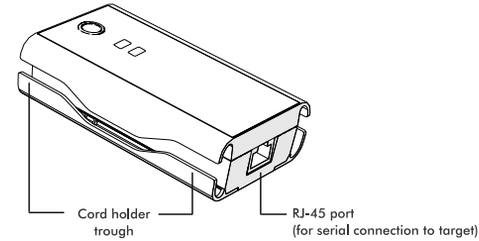
Supported operating systems:
- Android 4.0.4 and later versions
- iOS

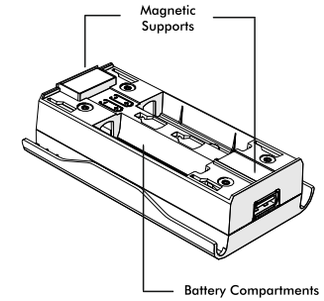
Supported browsers:
- Chrome
- Firefox

1.1 Material Description





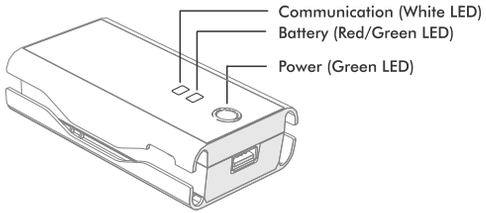




1.2 LED Descriptions

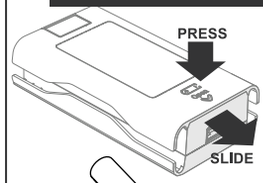
Table 1: BLUEFER LED Descriptions

LED	Condition	Description
Power	Flashing Green Off	Power on, Bluetooth emitting. Power off.
Battery During recharging	Steady Green Off	Battery is charging. Battery is charged.
Not recharging	Flashing Red Off	<25% charge remaining. <10% charge, auto shut down.
Communication	Flashing White Off	Communicating with tartget. No communication.



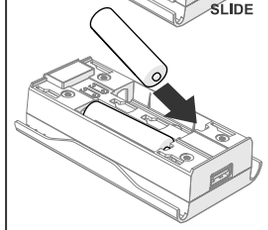
2.1 Hardware Set Up

Install Batteries



1. Turn the BLUEFER over.

2. Press **Open**, then slide and lift to remove the back cover.



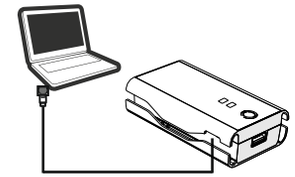
3. Insert the provided rechargeable Li-Ion batteries in the battery compartment.

Charge Batteries

4. Connect BLUEFER's micro USB port to a USB port of a PC and fully charge the battery before use.

Typical charging time is 1 hour.

The battery charge indicator LED turns off when the battery is fully charged.



Micro USB cord

*If battery replacement is necessary, replace both batteries. Use only **800mAh AA (14500) Soshine Li-Ion**, protected, rechargeable batteries:*

Nominal Voltage:	*3.7V*	*Max charge current:*	*1.5C*
Dimensions:	*14 x 51 mm*	*Max discharge current:*	*2.0C*

Do not use other un-protected Li-Ion batteries.

Do not use other types of rechargeable or non-rechargeable AA size batteries. The product will not function with these batteries.

2.2 Software Set Up

Get the App

Your BLUEFER is used with Schneider Electric's **EcoStruxure Power Device** app. To get this app do one of the following:

1. On your mobile, enable NFC and a data connection for internet access.
2. Hold your mobile to the NFC ( ) icon on BLUEFER.

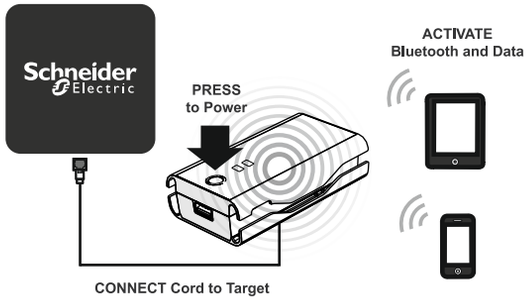
This opens the app page on Google Play store.

3. Install the app on your mobile.
4. Launch the app and register to set up your password. A confirmation email is sent to you to validate your account and login.

If your mobile is **iOS or Android without NFC**, then:

1. On your mobile, enable a data connection for internet access.
2. In Google Play store / Apple App Store, go to the page for the **EcoStruxure Power Device** app.
3. Install the app on your mobile.
4. Launch the app and register to set up your password. A confirmation email is sent to you to validate your account and login.

3 Connect to Target Device



Connect to the Target

Connect BLUEFER to a Schneider Electric target device using the provided connection cords. Information about supported devices and the cord to connect with is provided at:

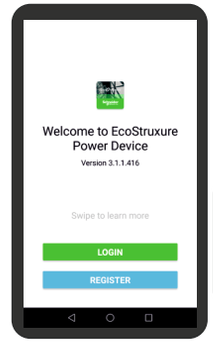
https://www.schneider-electric.com/en/product/REL52850

1. Plug the connection cord into correct port on the BLUEFER
2. Plug the connection cord into the port on the target

Note: *BLUEFER's magnetic supports fix it to any nearby metal surface. This leaves your hands free for the mobile device.*

Connect to the Mobile

BLUEFER connects to Android (v 4.0.4 and later, with or without NFC) and iOS mobiles. The connections you make are stored by the app to facilitate later connections. To connect to a target device the first time:



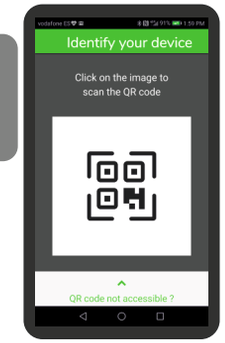
1. Activate the Bluetooth, NFC and the data connections on your mobile.

2. Press the Power button on BLUEFER to power its Bluetooth interface.

3. Launch the **EcoStruxure Power Device** app and **Login**.

NOTE - NFC with ANDROID: *Hold your mobile to the NFC mark on the BLUEFER to launch the app. This associates the BLUEFER and its generic login with **EcoStruxure Power Device**.*

4. Read the QR code on the device. Then go to step 5.

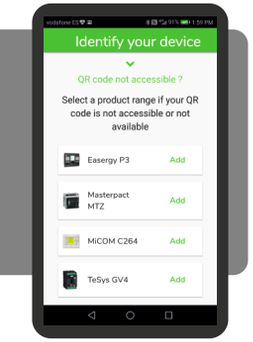


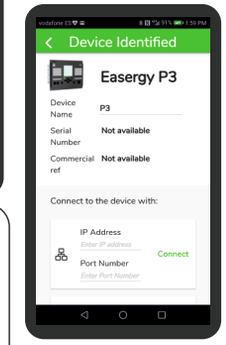
If it is not possible to read the QR code, click **QR code not accessible** and identify the device manually.

QR CODE NOT AVAILABLE

In the **Identify your device** screen, select the type of device from the list of available product ranges.

Click on **Add**.



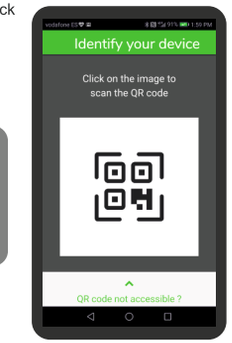


5. After adding the device, in the **Device identified** screen, scroll down to the BLUEFER Bluetooth connection, click on **Connect**.

If this is the first connection using your BLUEFER and you did not launch the application using NFC, you must identify the BLUEFER.

6. The QR code scanner opens. Scan the BLUEFER's QR code on the sticker inside its battery cover.

If it is not possible to read the QR code, click **QR code not accessible**. Then manually enter the BLUEFER ID and password.



NOTE - NFC with ANDROID: *after the first connection to BLUEFER, for the next connections, hold your Android mobile over the the NFC mark (within 3 cm) on the BLUEFER. Automatically, the mobile connects to BLUEFER, the user is logged in, and the **EcoStruxure Power Device** app is launched.*

After the BLUEFER is identified, the app establishes a connection with it and the target device.

The monitoring and control screens allow you view the device's status and change modifiable parameters. For more information about using this interface, refer to device documentation available from the Schneider-Electric product support site:

https://www.schneider-electric.com/en/product/REL52850

4. Troubleshooting

My NFC mobile does not connect to my BLUEFER

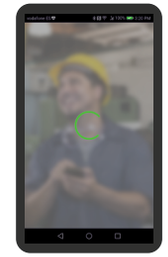
Check the following common problems with NFC use:

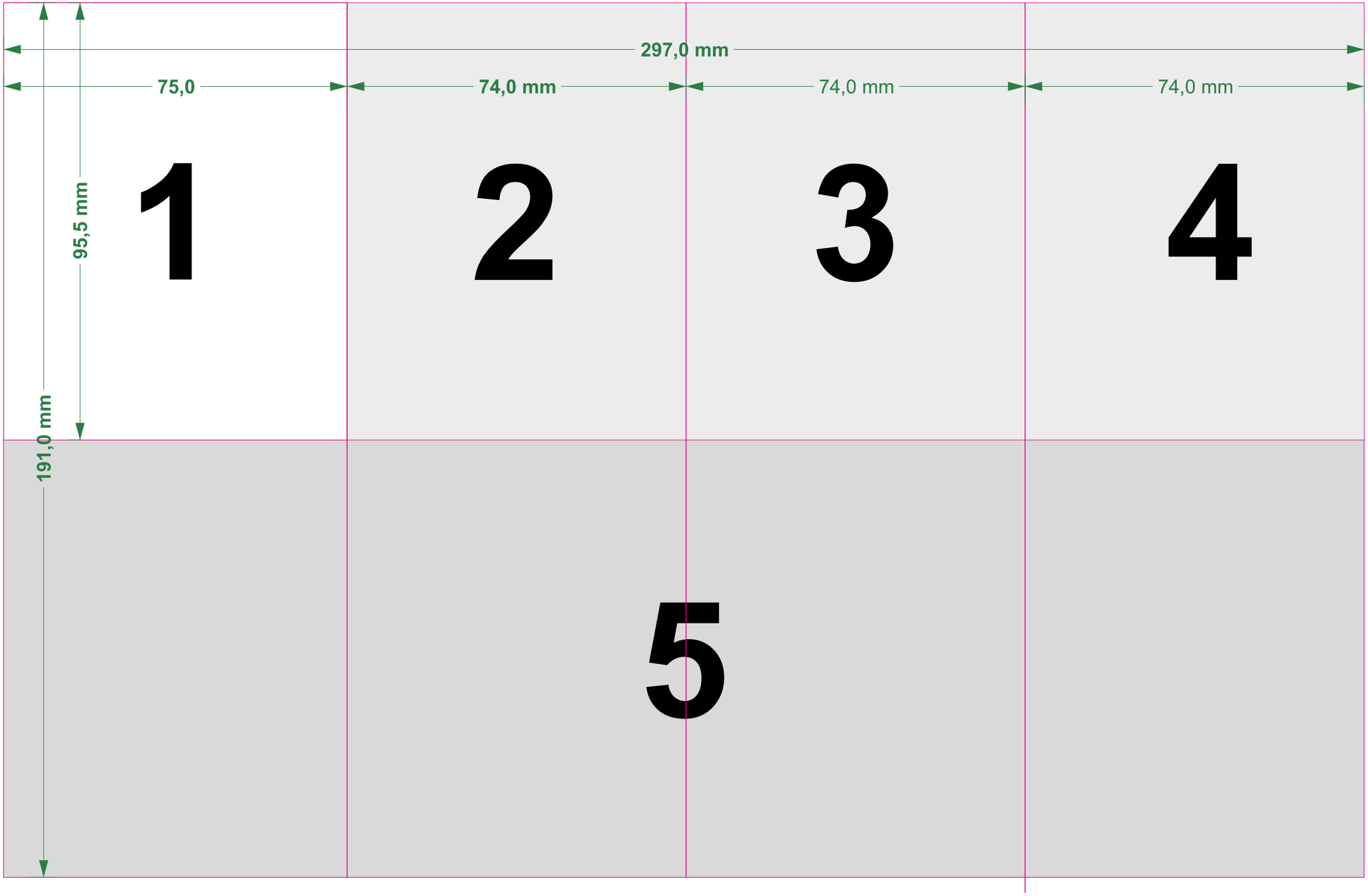
1. Use a mobile or tablet with NFC and Android v4.0.4 or a later version.
2. Make sure that NFC is activated on the mobile.
3. Make sure that BLUEFER is powered up by pressing its Power button. The Power button's LED should be flashing green.
4. Determine where your NFC antenna is. The position of the NFC antennas varies from one mobile manufacturer to another. On most mobiles, an audible signal can be enabled to indicate when an NFC devices is in the field of the mobile's NFC antenna. Verify your mobile's user documentation for more information.
5. When you know where the NFC antenna on your mobile is located, approach that spot to with in 2 centimeters of the NFC mark ( ) on your BLUEFER and hold it there for approximately 2 seconds. A gesture that is too rapid may not allow enough time to establish, secure and pair the interfaces.

The app hangs and won't let me select a device

The **EcoStruxure Power Device** app requires a network connection in order to verify your login.

1. Ensure that your mobile's data connection is enabled. This can be either a GSM network connection or a Wi-Fi WLAN connection.
2. Verify that your network connection allows you access to the internet.




297,0 mm
75,0
74,0 mm
74,0 mm
74,0 mm
95,5 mm
191,0 mm
1
2
3
4
5