

U2-BT01 Silvair Wireless Kinetic Bluetooth Switch

Product Specification

Modify Record

Serial No.	Version	Date	Modify Content	Producer
1	V1.0	2025-06-15	Initial Version	Nora Liang

1 Product Overview

1.1 Product Description

U2-BT01 has built-in EBELONG EMT08 self-generating Bluetooth transmitter module and energy harvesting module, which can convert the mechanical energy of pressing into electric energy, which drives the Bluetooth chip and sends data packets within the Bluetooth broadcasting channel in turn according to the different keys. Realize the communication between self-generated switch and Bluetooth device.

1.2 Product Picture



2 Technical Parameters

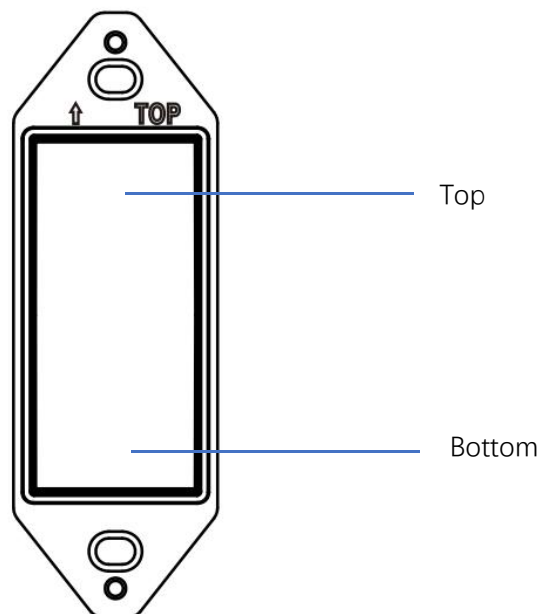
Project	Parameter
Switch Type	Push button
Number of keys	2 keys
Power Supply	Self-powered
Bluetooth Version	5.0
Wireless Data Rate	1Mbps

Communication Mode	Low Power Bluetooth (BLE)
Broadcast Channel	CH 37 / 38 / 39
Transmit Power	/
Distance	20m (outdoors) 10m (indoors)
Operating Temperature	-20~+55℃
Life Time	≥100,000 times
Shell Material	PC
Installation Method	Tape mounting / Screw locking
Certification Require	FCC
Frequency	GFSK

3 Product Feature

3.1 Distinguishing Key Direction

Distinguish the top and bottom of the switch according to the text on the of the switch.

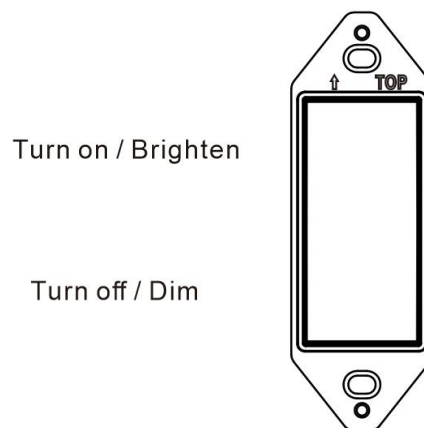


3.2 Keys Function

Once you have distinguished the orientation of the switch buttons, you can determine the function corresponding to each button.

Top Button:	Click to turn on the light, long press to brightening.
Down Button:	Click to turn off the light, long press to dimming.

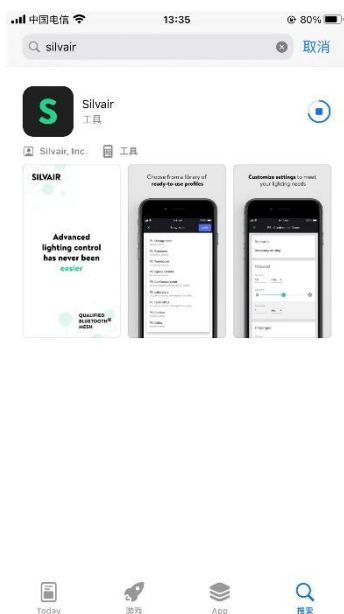
NOTE: Color temperature adjustments are only available for areas where a compatible dimmable white light fixture and the appropriate version of Silvair firmware have been added.



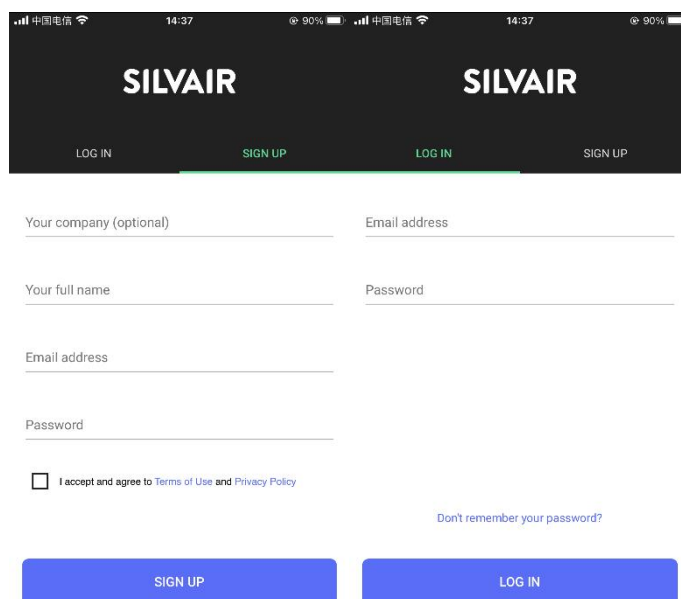
3.3 Commissioning with Silvair APP

1. Download the Silvair APP from the APP store.

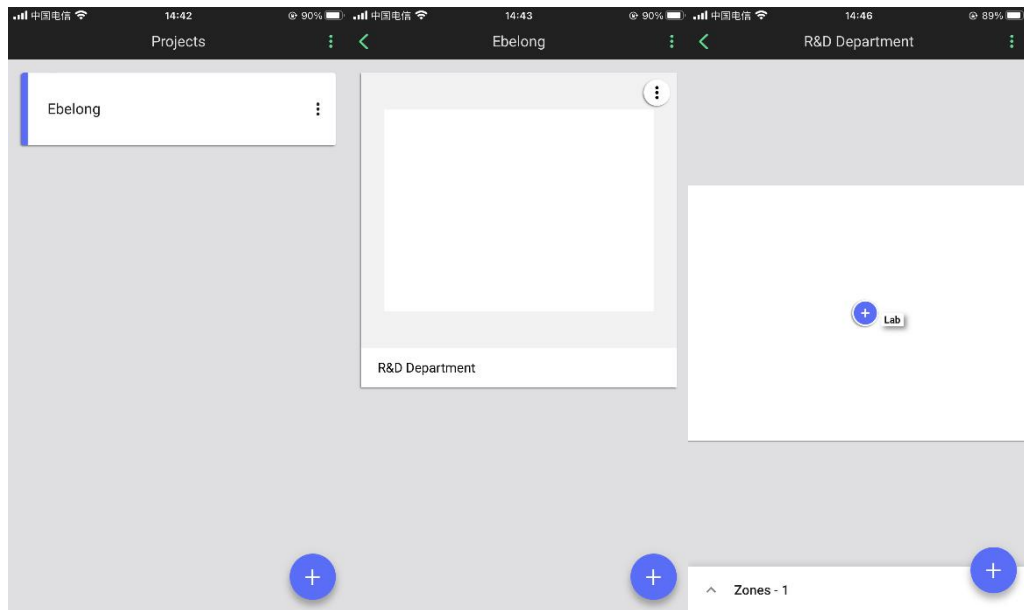




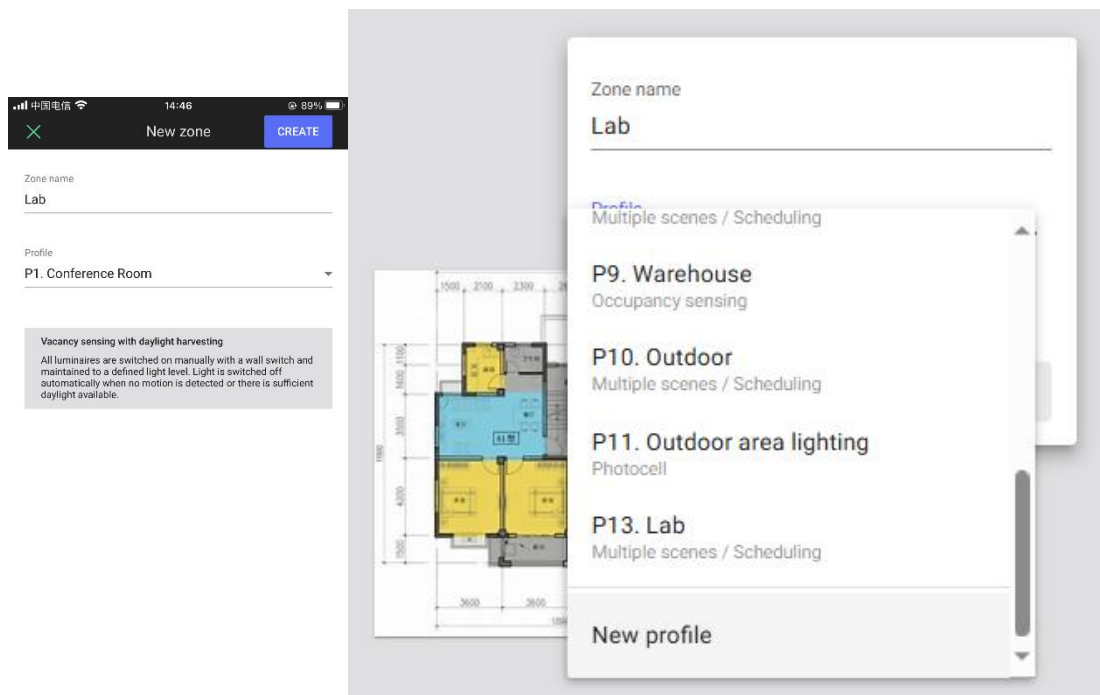
2. Turn on your Silvair-adapted device and open the Silvair APP. Log in or sign up according to the prompts.



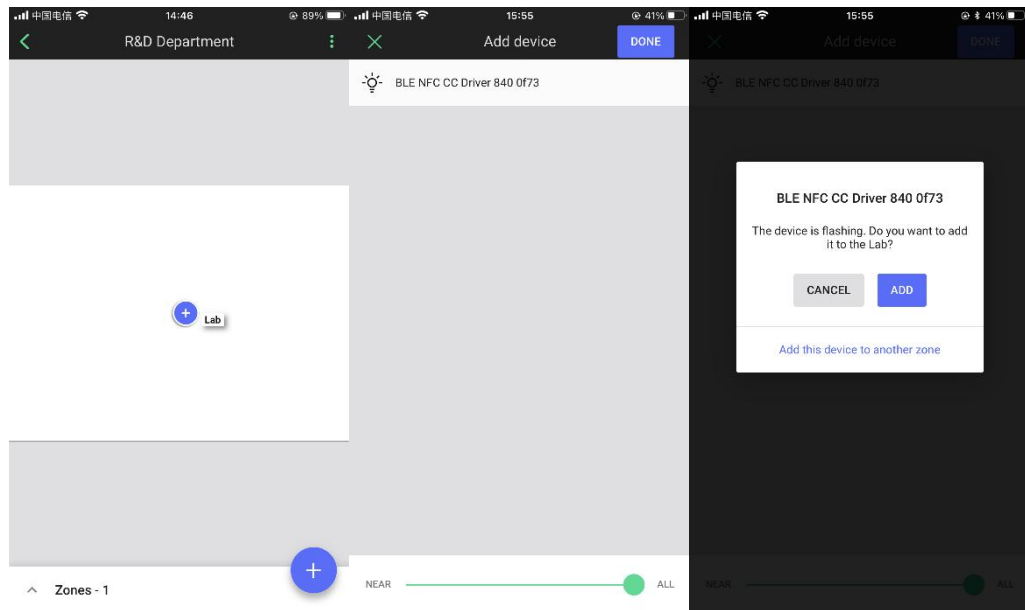
3. Click the Add button at the bottom right corner of the APP interface to create in order: project, area and zone.



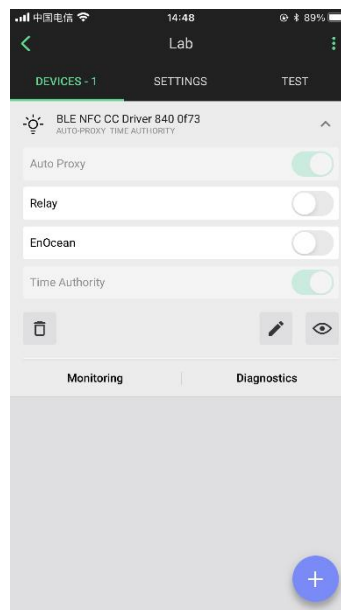
4. Select a profile for the newly created zone according to the different usage scenarios.
 Note: All devices in the zone operate according to the control profile set for the zone. It is also possible to create your own profiles on the Silvoir web site.



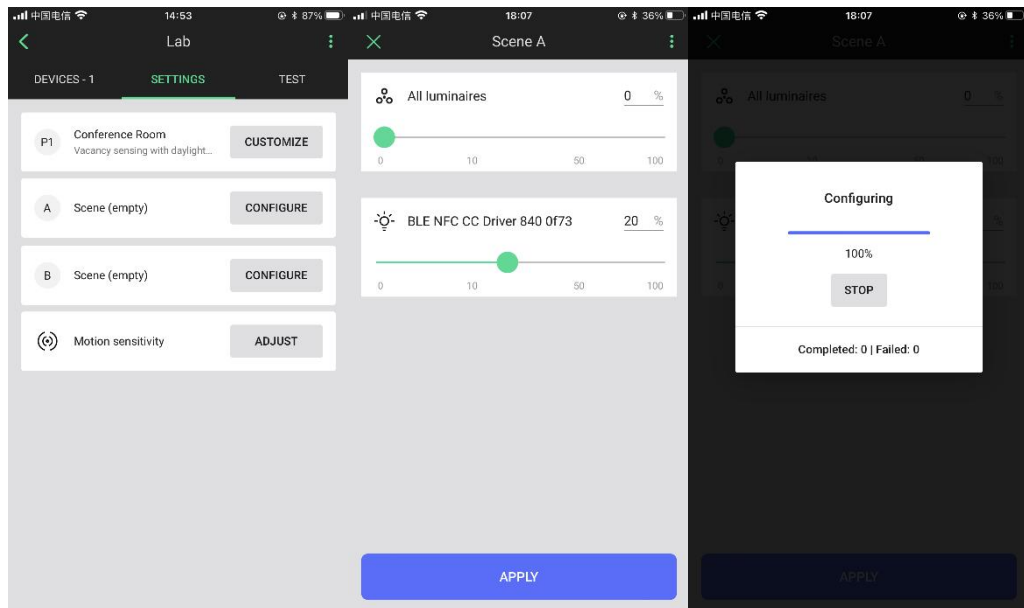
5. Add Bluetooth devices in zone. Tap the Add button in the lower right corner, APP will automatically search for nearby powered up Bluetooth devices, you can quickly find the nearest device by adjusting the search range and then add the device.



6. Select the Bluetooth device to which the switch needs to be added, click the slider for EnOcean, the program will request permission to access the camera, select OK. Aim your phone camera at the QR code on the back of the U2-BT01 Bluetooth transmitter switch. The application will automatically read the QR code to add the U2-BT01 Bluetooth transmitter switch.



7. You can set the device status of Scene A and Scene B and save the scene.



8. Remove Switch

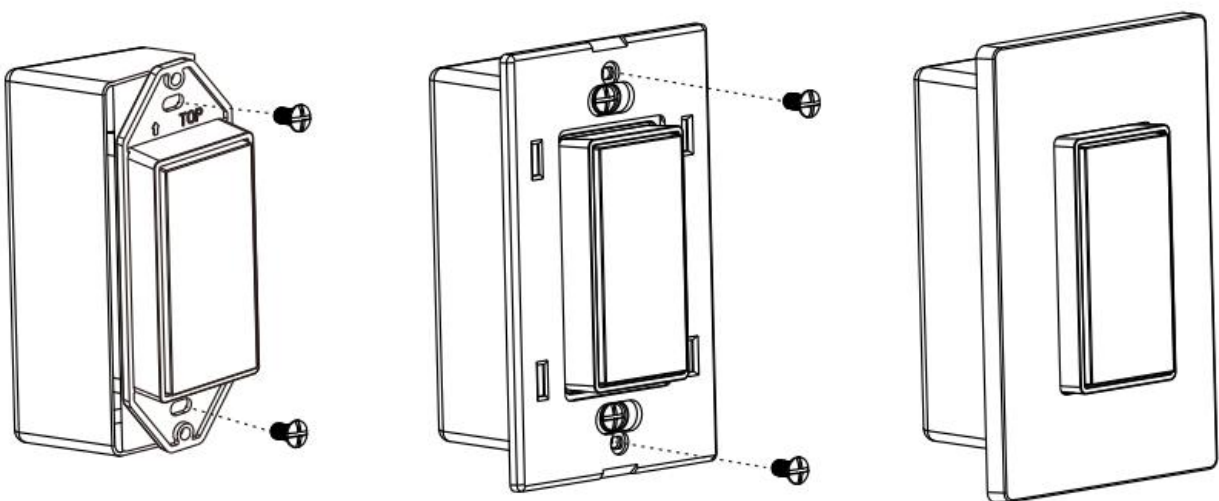
Tap the EnOcean slider after pairing a switch to remove it. Tap again to re-sweep to add the switch.

For more information on how to use the app, visit the website:

[SN-200 Silvair Commissioning user manual.pdf](#)

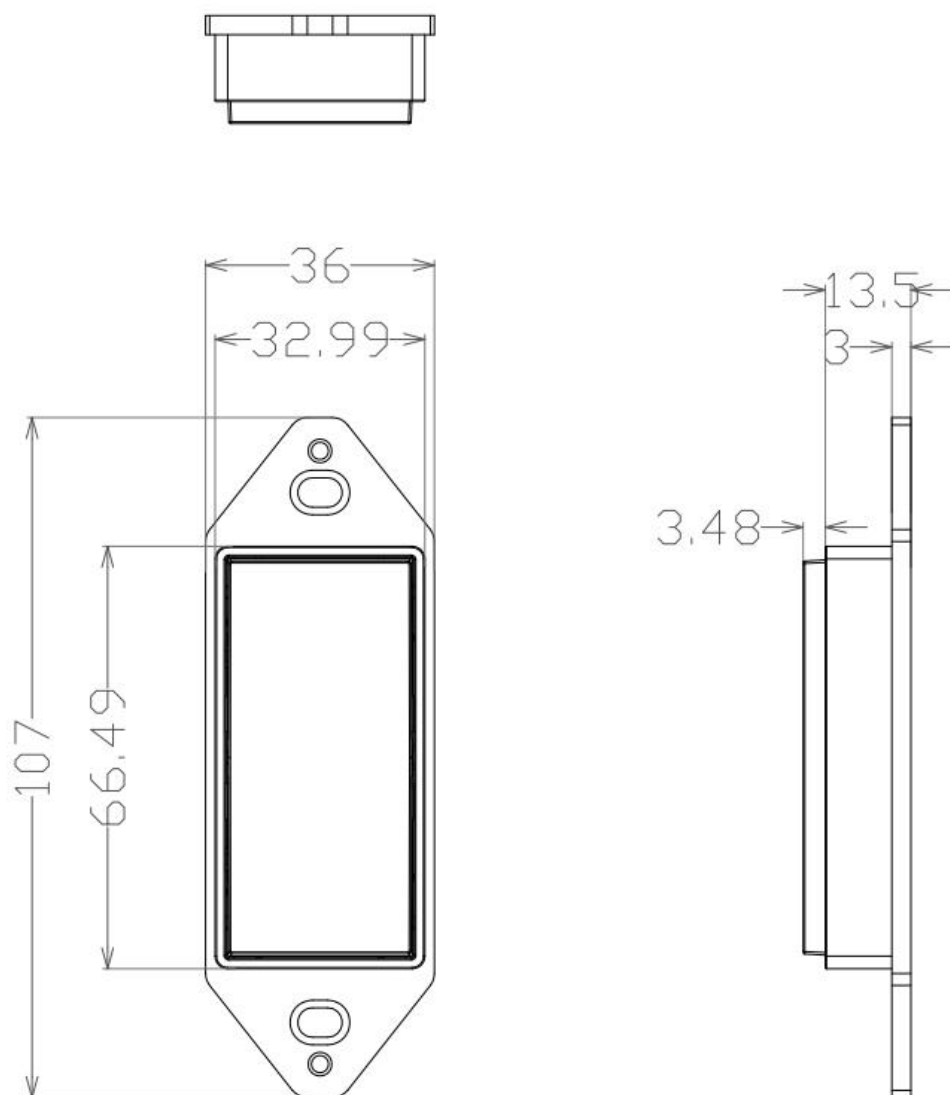
4. Installation Method

4.1 Locking Screw in the base



locking screw in the base

5. Product Dimension



6. FCC Warning

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.