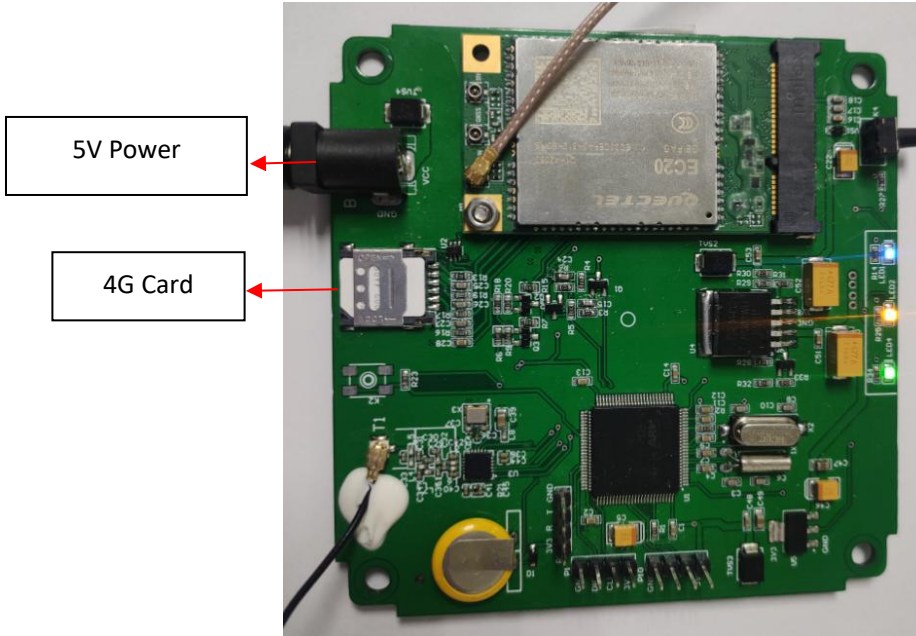


BIVAR OPERATION MANUAL

1. Add Gateway

1) Power supply: USB or 5V. Picture1

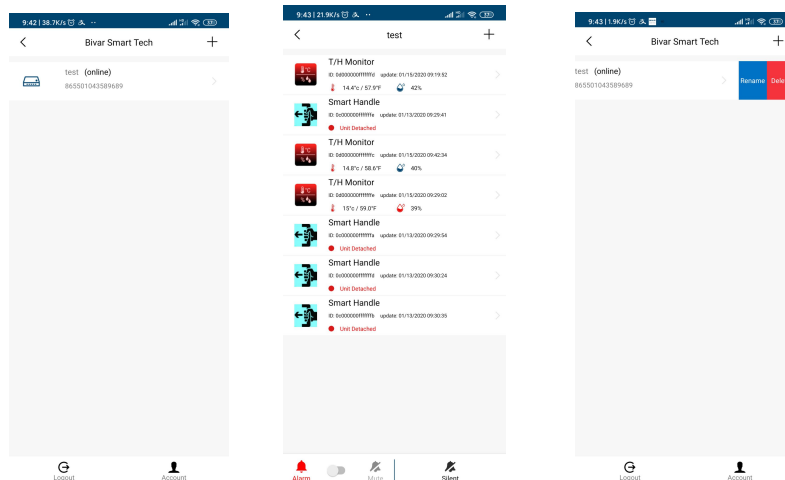


Noted: When you add it in APP, please ensure:

- i. power on the gateway
- ii. 4G card has been put in
- iii. Two antennas on the circuit board

2) Process

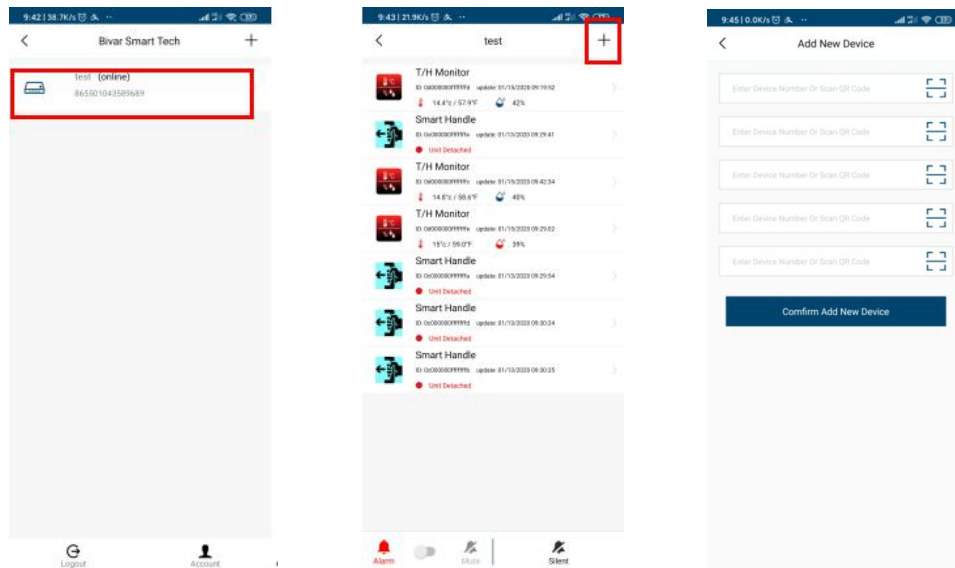
Login in Bivar App, click “ADD DEV”, scan QR code(on the Gateway). After add successful, you can rename the device.



2. Add sub-device

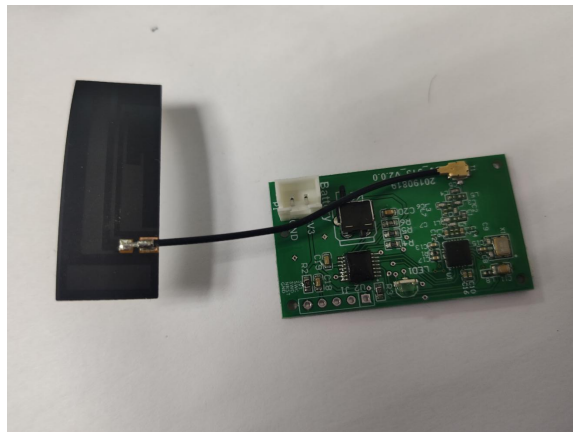
1) Click Gateway go to sub-device interface, login sub-device ID(on the back of

device circuit board). 1-5 devices can be added at a time.

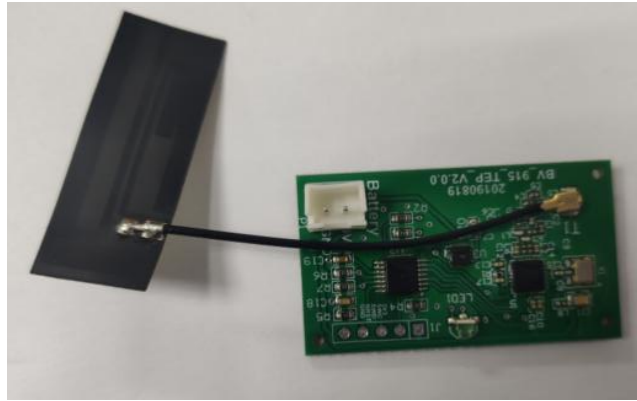


2) Sub-device using

- i. Smart Handle: Handle was supply by ER14250 (3.6V). Once it has been installed, if the handle switch is triggered, the handle will send a message through the RF 915Mhz frequency band to tell the gateway.

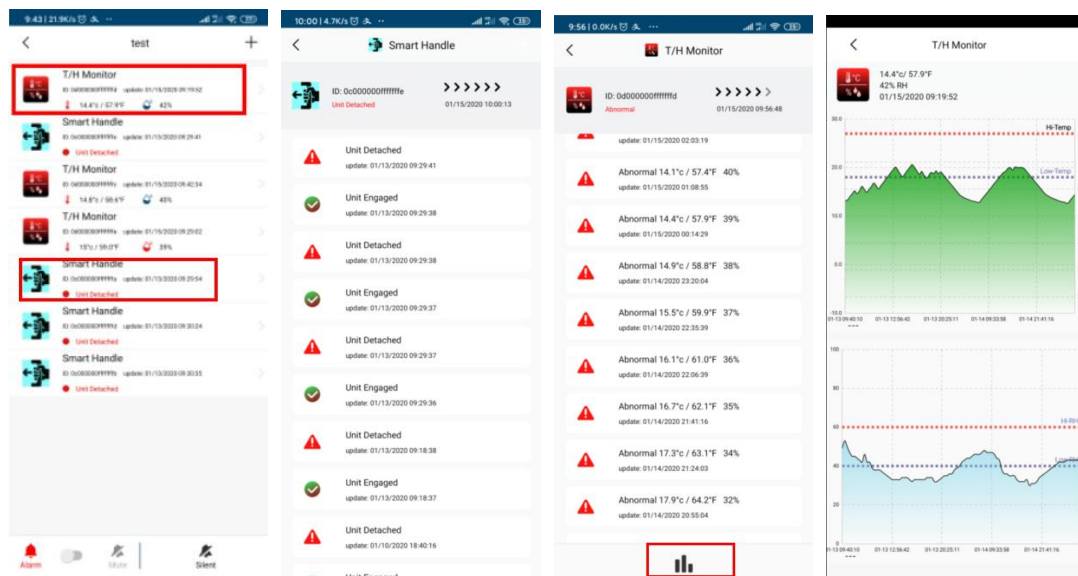


- ii. T/H sensor using: Temperature and Humidity Sensor (T&H sensor) was supply by ER14250 (3.6V). Once it has been installed, it will collects the temperature and humidity of the environment through the chip and uploads the data to the client through the gateway through the RF 915Mhz frequency band.



3. Sub-device device status

- i. Click on the sub-device to enter the device status interface



- ii. Normal state(temperature 18-27°)When the temperature is detected to be $>0.5^{\circ}$ or the humidity is greater than 1, the APP will push a message. When the temperature and humidity do not change, the device updates the temperature and humidity values once an hour. Abnormal state (temperature detected more than 27° or below 18°): App will push an alarm message and report the temperature and humidity value. At the same time, the red light on the device lights up 5mins. if the middle returns to normal, the green will light for 5mins, and the APP will push an normal message.

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

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

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.

RF Exposure Warning Statements:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.