

USER'S manual

I. Warning

- Please keep the device from high temperature.
- When smoke, smell or noise comes out from the device, shut down the power immediately, and contact your supplier in time.
- Please contact your supplier if the device is not working properly. No warranty will be covered if the damage caused by unauthorized disassembly or repair.
- Please do NOT charge the device at high temperature over 45 degrees Celsius, it could possibly cause the explosion of the battery. Please use the certificated battery from the original factory ONLY.
- Please read this manual carefully before using the device, and follow the instructions when using the device.
- Please do NOT kick or hit the product to avoid device damage and data missing.
- Keep the device away from high temperature and high humidity environment.
- Keep the device away strong interference source.

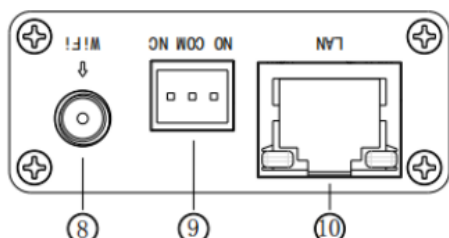
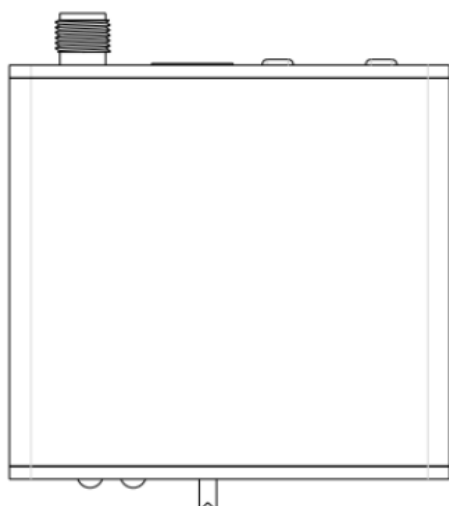
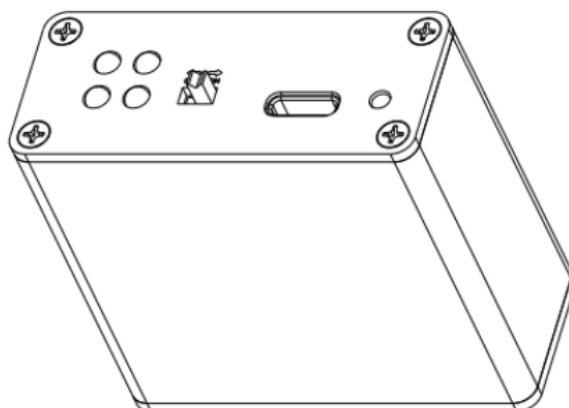
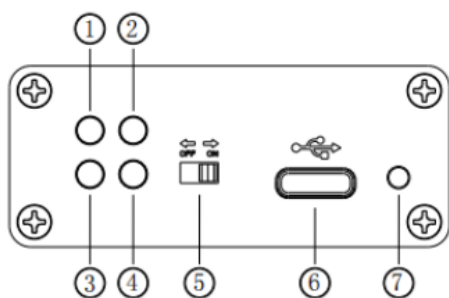
II. Product introduction

Purpose and Application

Function	Purpose
Power input	Provides 5V power to the device through the Type-C port.
WiFi / LAN	Connects the device to the test network for event receiving and communication verification.
Relay output	Provides NC / COM / NO dry-contact output for external equipment or test instruments.
Indicators	Shows power, system running status, network connection status, and event receiving status.

HALOS NANO Receiver is used for proof-of-concept testing and on-site verification of network event receiving, device status indication, and relay output control. It can help the user confirm whether the network connection, event transmission, and external control output work correctly before formal deployment.

The device supports WiFi and LAN communication and provides a relay terminal marked NC, COM, and NO. Typical use cases include demonstration testing, system integration verification, event-triggered output testing, and checking whether the connected external equipment can respond to the relay output as expected.



No.	Discription
①	WiFi Indicator
②	Event Indicator
③	System Indicator
④	Power Indicator
⑤	Power Switch
⑥	Type-C
⑦	FN button
⑧	WiFi Antenna Port
⑨	Relay Port
⑩	10M/100M RJ45 Port

III. Operation

Before operation

1. Check that the device housing, Type-C port, LAN port, relay terminal, and power switch are not damaged.
2. Confirm that the power adapter or USB power source meets the specification of 5.0V $\approx$ 1A.
3. Keep the device in a dry and well-ventilated place. Do not operate the device near high temperature, high humidity, liquid, or strong interference sources.
4. If an external device will be connected to the relay terminal, confirm the wiring requirement of the external device before connection.

Power on

1. Connect the USB cable to the Type-C port of the device.
2. Connect the other end of the USB cable to a qualified 5V power adapter or USB power source.
3. Switch the power switch to ON.
4. Check the Power Indicator. The indicator should stay ON after power is supplied.
5. Wait for the System Indicator to blink. Blinking means the system is running.

Network connection

1. For LAN connection, connect the Ethernet cable to the LAN port and make sure the network is available.
2. For WiFi connection, configure the WiFi information according to the project or supplier configuration method.
3. Check the WiFi Indicator. Blinking means WiFi is disconnected; ON means WiFi is connected.
4. If the WiFi Indicator keeps blinking, check the SSID, password, router distance, and whether the network supports 2.4GHz or 5GHz WiFi as required.

Relay connection and event test

1. Power off the device before wiring the relay terminal.
2. Connect the external circuit to NC, COM, and NO according to the required control logic.
3. After wiring is confirmed, power on the device again and wait until the system is running.
4. Trigger a test event from the connected system or test platform.
5. Check the Event Indicator. OFF means no event has been received; ON means an event has been received.
6. Confirm that the connected external equipment or test instrument responds according to the expected relay output state.

Power off

1. Stop the current test and make sure no event test is in progress.
2. Switch the power switch to OFF.
3. Disconnect the USB cable if the device will not be used for a long time.
4. Store the device in a dry environment. If the device is not used for a long time, charge it once every three months to maintain battery life.

Basic troubleshooting

1. Power Indicator is OFF: check the USB cable, power adapter, and power switch.
2. System Indicator is OFF: restart the device. If it still does not work, contact your supplier.
3. WiFi Indicator keeps blinking: check WiFi configuration, router signal, and network availability.
4. Event Indicator does not turn ON: check whether the event source, network connection, and device configuration are correct.
5. Relay output does not respond: power off the device and check NC / COM / NO wiring, external circuit status, and event trigger condition.

IV. Indicator

Indicator	Specification
1 WiFi Indicator	Blinking: WiFi Disconnected; ON: WiFi Connected
2 Event Indicator	OFF: No Event received; ON: Received an event
3 System Indicator	Blinking: System up; OFF: System down
4 Power Indicator	ON: Power ON; OFF: Power OFF

V. Specification

Item	Specification
Power input	5.0V = 1A
WiFi	Dual - band 2.4 GHz and 5GHz 802.11 a/b/g/n/ac
LAN	10M/100M Ethernet port
Relay	NC COM NO port
Material	Aluminum Base

VI. Customer service

User Notice

A. Warranty

1. This product is warranted for one year;
2. Warranty are not covered in any case of unauthorized modification, repair or damage (such as water, moisture, drop, improper use, etc.)
3. In order to extend the life of the battery, it is recommended to charge once every three months when devices are not used for a long time.

B. Technical support service

If you have any operation or technology problems when you are using product, you can refer to the user manual to find solutions. If that still can't help, try the ways below to find help:

1. Contact your supplier for technical support

2. Regardless of the method of seeking technical services, please be sure to provide the model number, device ID and detailed malfunction of the failed unit, so that our engineers can be more quickly and accurately to help or repair.

C. Precautions before maintenance

1. Do simple troubleshooting before you send device back, if that still can't help you solve problems, please confirm the basic information of the product and contact the supplier for repair.

2. If the product is out of warranty, make a preliminary quotation for the product repair, and we will provide repair service after receiving your consent.

Note: The service mentioned in this warranty is a standard service. If you have an extra agreement with the company on the service at the time of purchase, the extra service agreement signed will prevail.

Warranty card

User Profile

___ D ___ M ___ Y (Date)

Name		Company	
Telephone No.		Address	
Dev. Model		Device ID	
Data of sale		Sales Department	
Repair Date	Repair Record	Repair Department	

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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