

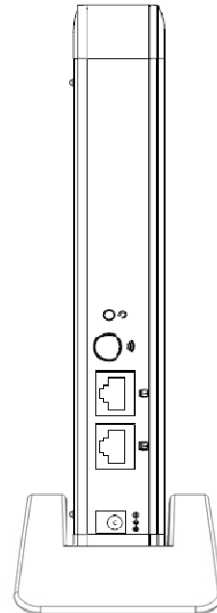
User Manual

1. Introduction

The HSC04 Gateway is a member of the U-Net series and is fully compatible with any U-Net enabled devices. It can remotely control and monitor your U-Net enabled devices. Whether onsite or logged in through the internet, you will always have access to control and monitor your control system. With this system you can achieve a better control of your home security to make your life safer and easier than ever.

2. Appearance

Figure 1 HSC04 Appearance



2.1 Sockets

DC Jack: DC power voltage 9V, current 2A.

RJ-45 socket: HSC04 has an Ethernet hub function and is equipped with two linked RJ-45 sockets.

2.2 Buttons

HSC04 has two buttons: One reset button and a connection button (next to the RJ-45 socket).

■ **Reset Button:**

This button will reboot the system. The user can press this button when the

system is halting.

Note: HSC04 is equipped with internal battery power, which will be automatically switched to when DC power is cut off. The device will still be halting.

■ **Connection Button:**

• **Manually enable the bind function:**

Press the connection button once after the system is powered on.

• **Manually cancel the bind function:**

Press the connection button once when the system is in bind mode.

2.3. LED

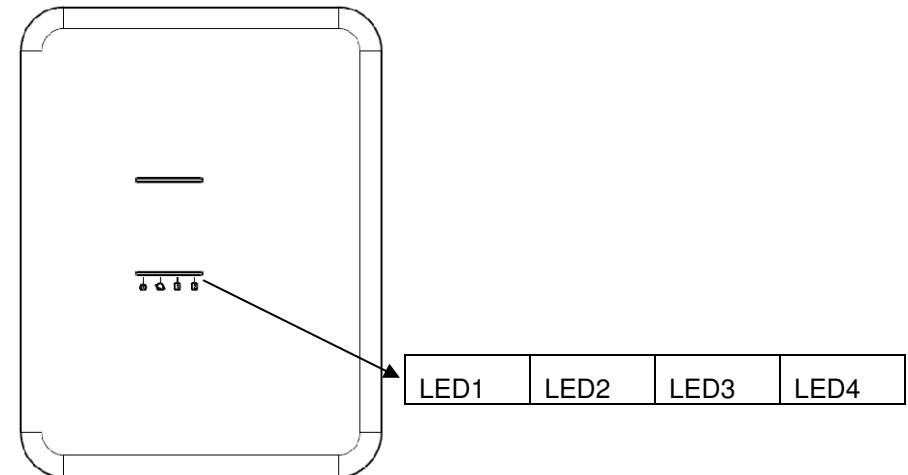


Figure 2 HSC04Front View

Definition of LED:

LED1	Power	LED2	Connection
LED3	Network 1 LED	LED4	Network 2 LED

2.3.1 Power LED

Green light: The power is on.

Red light: The Flash is writing data.

Red light flashes every 5 seconds: The system time is not synchronized after boot up.

2.3.2. Connection LED

Green light: OpenVPN has successfully connected to the server.

Red light: The DHCP function is enabled but could not obtain IP information.

Red and green light flashes: The firmware upgrade function is enabled in bootloader time.

Green light flashes with an interval of 0.5 seconds: The system is in binding mode.

Green light flashes with an interval of 2 seconds: The system has successfully added other U-Net devices.

Green light flashes with an interval of 0.1 seconds: If code learning has timed out it will continue to flash for 4 seconds.

If code learning is aborted it will continue to flash for 1 second.

Green and red light flash 3 times: The system has successfully booted.

2.3.3 Network 1 LED

Green light: The RJ-45 socket near the connection button is connecting.

2.3.4 Network 2 LED

Green light: The RJ-45 socket near the DC power jack is connecting.

2.4 USB

There are three USB sockets in the box, which can plug to the 3G dongle.

3. Installation

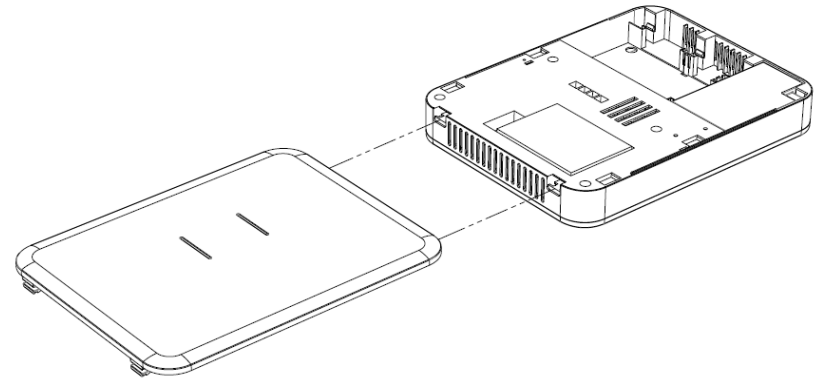


Figure 3 Upper cover installation

- Press and hold the latch.
- Slide to release the upper cover.
- Fit the latch to replace the upper cover.

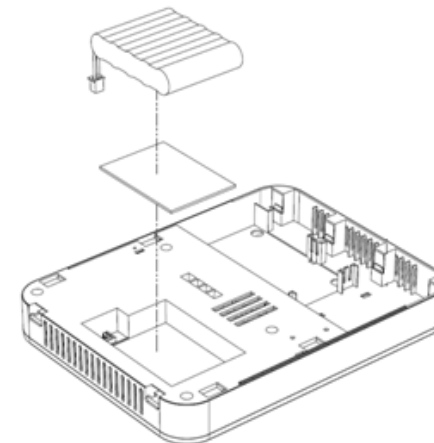


Figure 4 Battery installation

- Stick the double-sided tape to where you wish to place the batteries.
- Attach batteries and insert power cables to complete installation.

4. U-Net Binding

U-Net binding is an operation of the HSC04 used to include other U-NET devices.

We will describe how to use the connection button to operate the binding function below:

Start binding:

Press the connection button once and the connection LED will flash green.

Device binding:

Specifications

Operating temperature range	-10°C to +40°C
Operating humidity	5 - 85% RH
Adapter	I/P: 100-240Vac 50/60Hz 0.5A O/P: DC9V 2000mA
Battery type	AA batteries x5
Transmission range	Indoors 30m; Outdoors >150m (Open space)
Frequency range	923 MHz

**** Specifications are subject to change without notice**

WARNING:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities instead. Please contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

Federal Communication Commission Interference Statement

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

The connection LED on the HSC04 will stop flashing and turn on and off with an interval of 2 seconds if binding was successful.

Cancel binding:

Press the connection button when the connection LED is blinking in binding mode and the connection LED will flash rapidly and stop binding.

Binding timeout:

Timeout will happen when binding mode has been idle for 30 seconds. The connection LED will rapidly flash 4 seconds when this happens.



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 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 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.

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 transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Warning:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.

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