Intelligence
Switched On

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WiFi / LAN CONFIGURATION INSTRUCTION

Ver.1.2

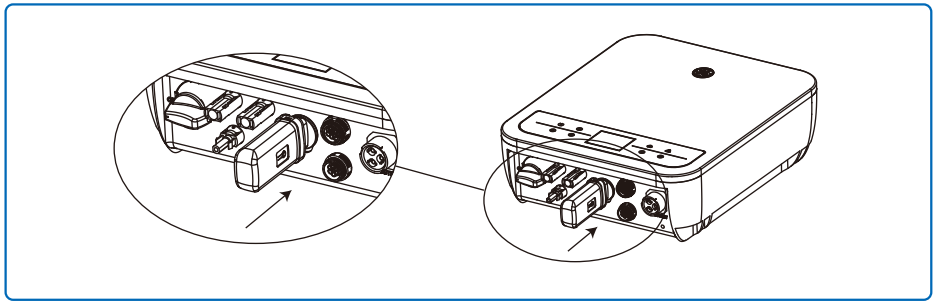
www.gesolarinverter.com

TABLE OF CONTENTS

Wi-Fi Communication

⚠ There are two options to complete Wi-Fi configuration.

1. Web Configuration



Section 1. Preparation

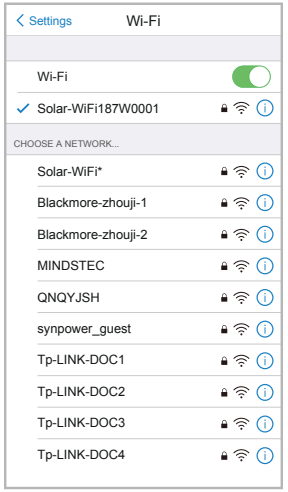
- Power on inverter.
- Power on Wireless Router.
- Connect smart device to Wi-Fi of inverter.

Section 2. Wi-Fi Configuration

Step 1

Connect smart device to Solar-WiFi*.

Tip: Connect smart device to Wi-Fi "Solar-WiFi" or "Solar-WiFi*" with password 12345678
(*refers to the last eight digits of inverter's SN)



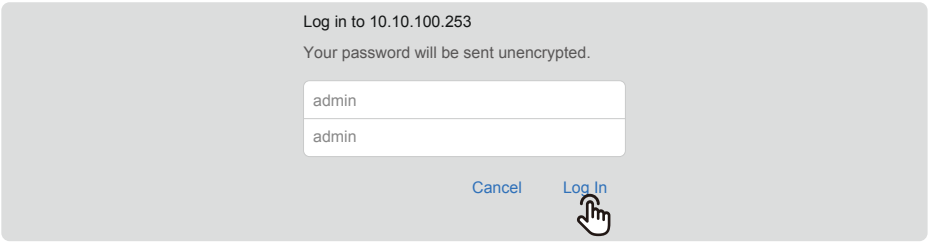
Step 2

Visit the website http://10.10.100.253

Tip: Please refresh the page if there appears "Unauthorization Login".

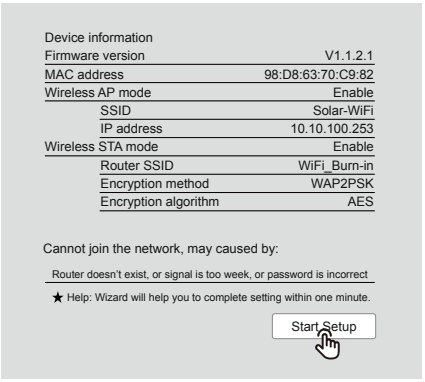
Step 3

Enter username (admin) and password (admin), Click "Log In"



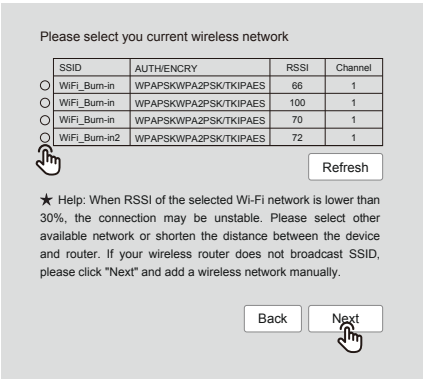
Step 4

Click "Start Setup"



Step 5

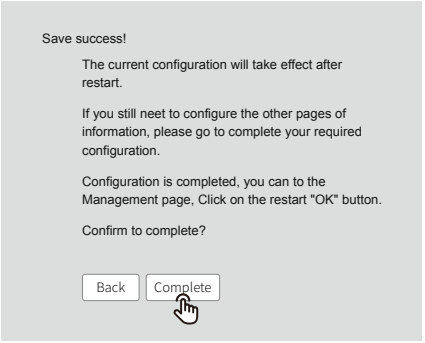
Select available Wi-Fi and click"Next"

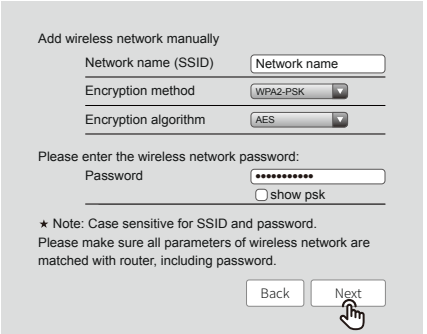


Tip: Specification of Wi-Fi module is available on Device Information at previous page.

Step 6

Enter the password accordingly and click "Next"

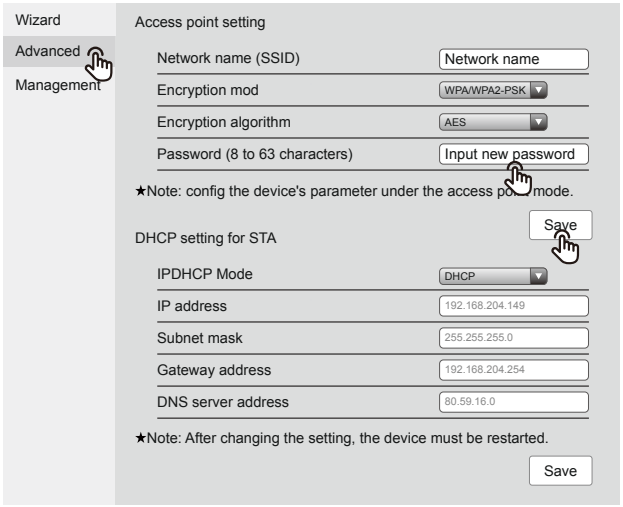




Tip: Please make sure there is no unacceptable character in the password, otherwise it may cause unsuccessful Wi-Fi configuration.

Section 3. More Information

The network name (SSID) and password of Wi-Fi module can be modified in advanced setting.
You may give different names to the devices to differentiate.



⚠ It is strongly recommended that you change the password of your "Solar-WiFi*" before or after the installation.
The manufacturer will not be responsible for any of the privacy information leakage caused by using the default
password of "Solar-WiFi*".

2. App Configuration

Section 1. Preparation

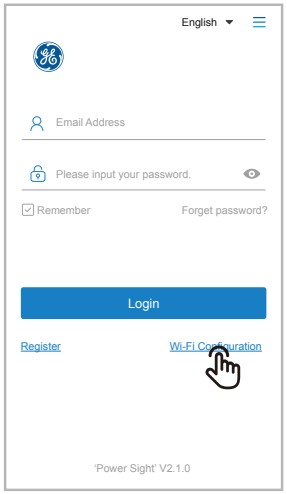
- Power on inverter.
- Power on Wireless Router.
- Download and install the latest app 'Power Sight'.
- The app is subject to upgrade without notification and you can always refer to the latest instruction at portal.gesolarinverter.com.

Section 2. Wi-Fi Configuration

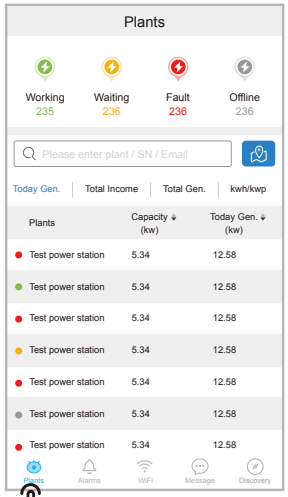
Step 1. Click "Wi-Fi Configuration" at login page or click Wi-Fi icon at homepage.
Step 2. Make sure inverter is powered on and then click "Next".

Step 3. Click "Go into WLAN setting interface".
Step 4. Connect smart device to Solar-WiFi*and then return to Wi-Fi configuration page of 'Power Sight'.
Step 5. Click "Next".

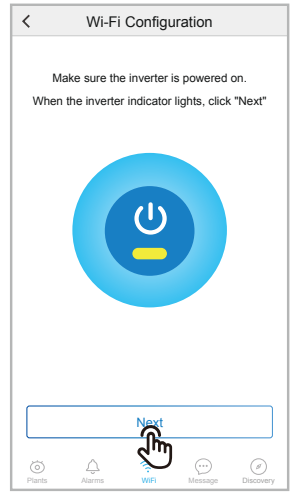
Step 1



Step 1

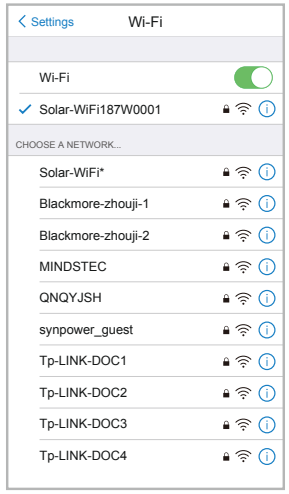


Step 2



Step 3

Step 4



Step 5

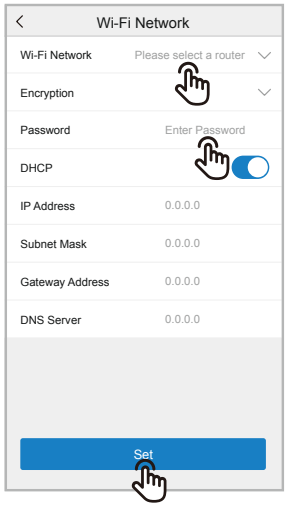
Tip: Connect smart device to Wi-Fi "Solar-WiFi" or "Solar-WiFi*" with password 12345678 (*refers to the last eight digits of inverter's SN)

Step 6. Enter Wi-Fi SSID name and password accordingly and then click "Set". Please switch off DHCP first and input IP address if you want to change inverter's IP into a specific one.

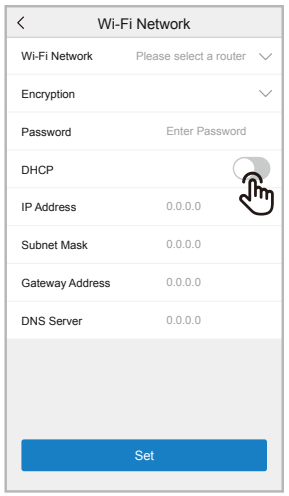
Step 7. Confirm and then click "OK".

⚠ It is strongly recommended that you change the password of your "Solar-WiFi*" before or after the installation. The manufacturer will not be responsible for any of the privacy information leakage caused by using the default password of "Solar-WiFi*". For how to change the password of "Solar-WiFi*", please refer to "Section 3. More Information" of "Option 1. Web Configuration".

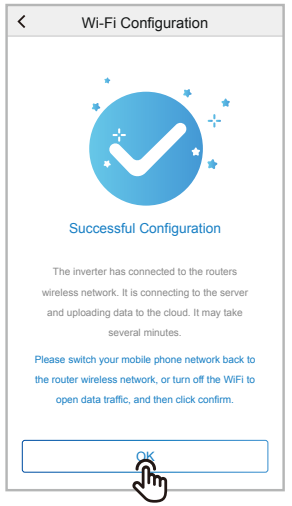
Step 6



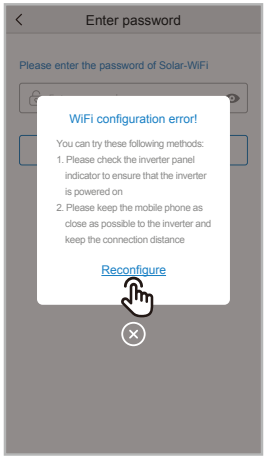
Step 6



Step 7



⚠ You may click "Reconfigure" or follow instruction of "Configuration Help" if configuration failed.



3. Troubleshooting Advice

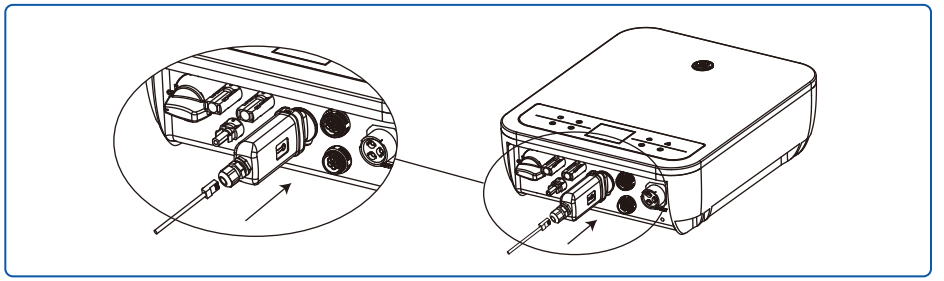
No.	Problem	Troubleshooting
1	Unable to find Solar-WiFi	1. Check if inverter is power on and Wi-Fi module is well attached. 2. Make sure your smart device is close to the inverter. 3. Restart inverter. 4. Press "Reload" button to have Wi-Fi module back to default mode and follow above Wi-Fi configuration steps again.
2	Unable to connect to Solar-WiFi	1. Try password: 12345678. 2. Check if there any device connected to the Solar-WiFi already. 3. Press "Reload" button to have Wi-Fi module back to default mode and follow above Wi-Fi configuration steps again. 4. Restart inverter and try Wi-Fi configuration again. 5. Check if there is any unacceptable character in the password.
3	Unable to login website 10.10.100.253	1. Press "Reload" button to have Wi-Fi module back to default mode and follow above Wi-Fi configuration steps again. 2. Switch to preferred browsers such as Google Chrome FireFox, IE, Safari.
4	Unable to find router SSID	1. Move the router closer to inverter or use a Wi-Fi repeater device. 2. Check if the channel number of router is higher than 13. If yes, modify it into a lower number at router configuration page.
5	Wi-Fi LED indicator blinks twice continuously with all configuration steps done	1. Restart the inverter. 2. Check if the SSID, encryption method, encryption algorithm and password on Wi-Fi configuration page is the same with that of Wireless Router and corrrect it if it is different. 3. Check if the maximum amount of devices allowed to connect to the router has exceeded. If yes, please disconnect some devices or expand the limitation. 4. Restart Wireless Router. 5. Mover Wireless Router closer to the inverter or use a wireless repeater to enhance Wi-Fi signal.
6	Wi-Fi LED indicator blinks four times continuously when all configuration steps done	1. Connect smart device to non-inverter Wi-Fi and access to "Power Sight" to check if the inverter is online. 2. Restart Wireless Router and the inverter.
7	Offline status of inverter on "Power Sight" with Wi-Fi LED indicator always	Please wait a few minutes for data transmission and check on "Power Sight" later.

Please visit portal.gesolarinverter.com to download the latest version of this document. GEP reserves the right of final explanation to this document and its attachments.

LAN Communication

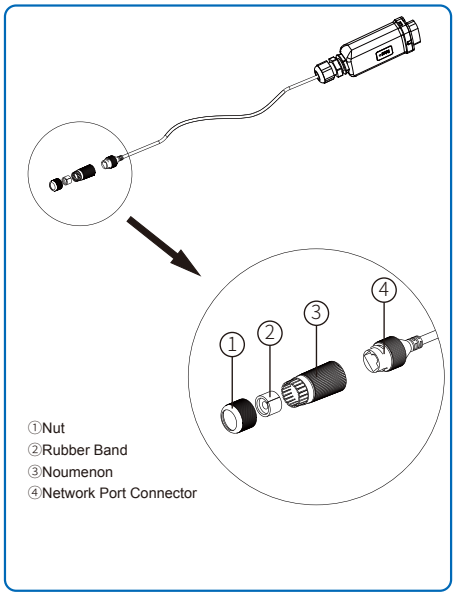
1. LAN Module Connection

Insert the LAN module into the COM port (USB-type communication port).

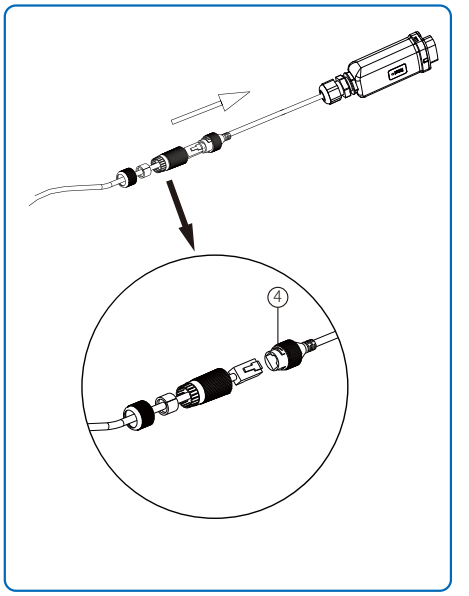


2. Connect the LAN cable to the LAN module

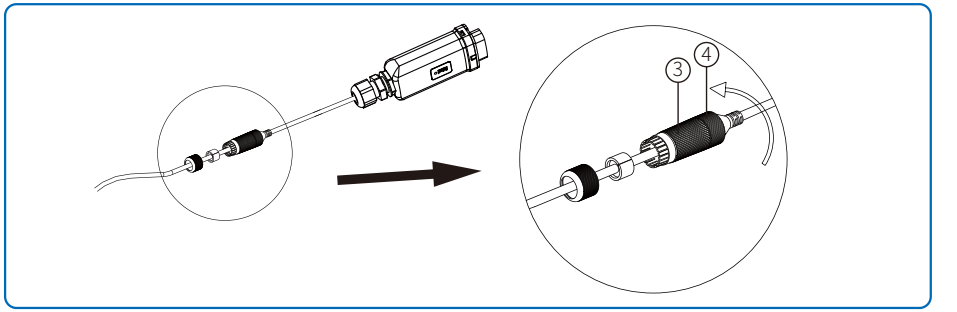
Step 1:
Unscrew the connector kit



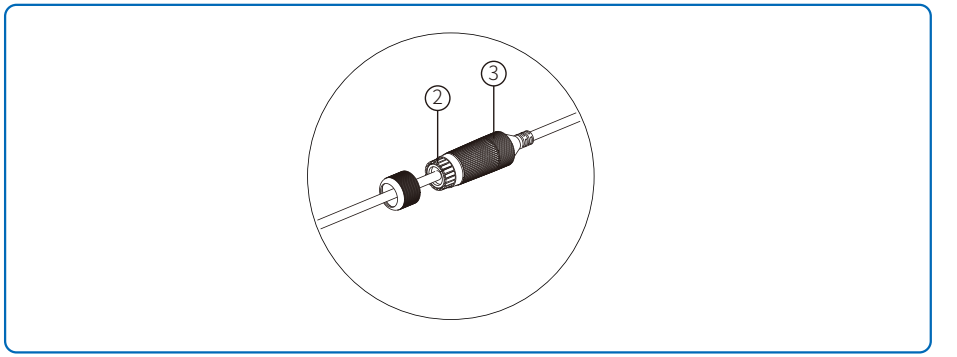
Step 2: Insert the LAN cable through the connector kit and tighten it with ④.



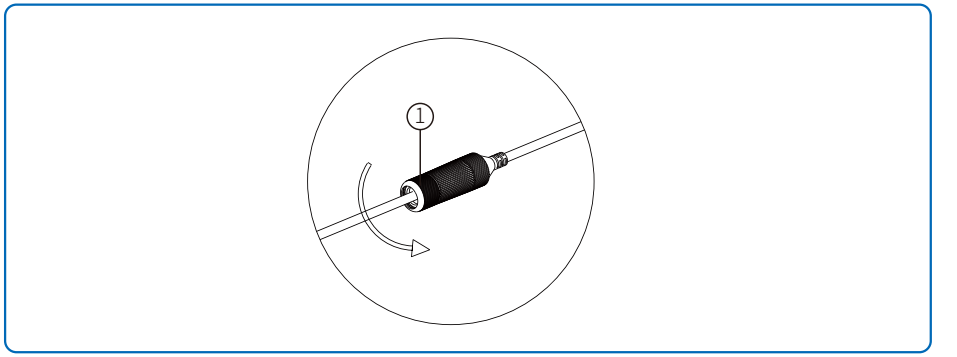
Step 3:
Stuff ③ into ④.



Step 4:
Stuff ② into ③.



Step 5:
Tighten ① to complete the assembly



3. Settings Of Router & Switch

- LAN module default IP acquisition mode is DHCP (Dynamic Acquisition).
  When connecting the LAN module to a router (Router is commonly set to dynamically allocate IP), no operation is required on the module. You only need to connect the LAN cable to the router's LAN port)
- When the LAN module connect to the switch (Or the router is set to statically allocate IP)

Step 1: When the LAN module connect to the switch (Or the router is set to statically allocate IP), the IP access method must be changed to STATIC.

Step 2: After the LAN module is powered on, connect it directly to the computer through a network cable.

Step 3: Enter 169.254.1.1 in the browser and press enter.

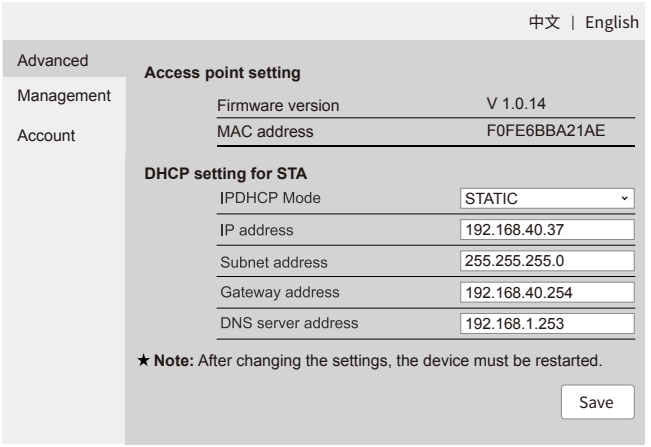
Step 4: Enter the username and password (default: admin)

Step 5: Find "DHCP setting for STA" under the "Advanced ", select "STATIC" for IP DHCP Mode and modify the IP address, subnet mask, default gateway, and DNS server address as needed. After the modification is completed, click save, as shown in pic(1)

⚠ The IP address, subnet mask, default gateway, and DNS server address in pic(1) are examples.
Users should set parameters according to their own actual needs.
You can refer to the settings of static IP parameters of other devices that have been connected to the switch (Make sure the last number of IP address is different from other devices, others are the same).

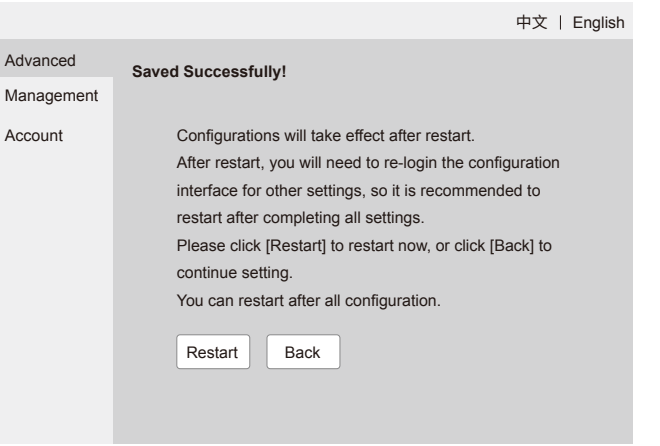
4. LAN Configuration

Configuration page as shown in pic(1)



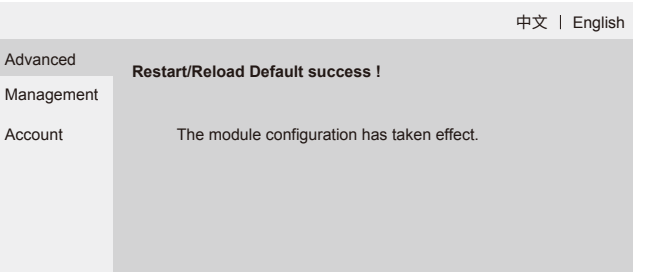
Pic(1)

After clicking on save, click restart when prompted. As shown in pic(2).



Pic(2)

Restart complete. As shown in pic(3)



Pic(3)

⚠ 1. After the static IP is set, the modified IP address must be entered for the next login, the computer IP and the modified IP have to be in the same network segment, the original default IP (169.254.1.1) cannot be used for login. In case users forget the modified IP, the module can be reset on the inverter and then log in using the default IP (169.254.1.1).
2. The maximum transmission distance of LAN cable is 80 meters.