

Quick Installation Guide

Wireless router

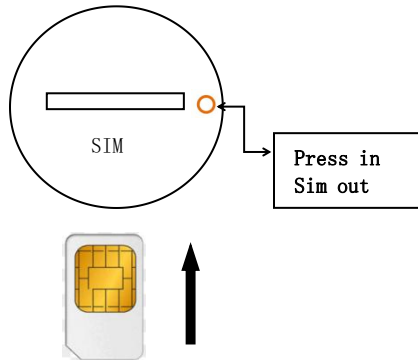
Fast Installation Guide



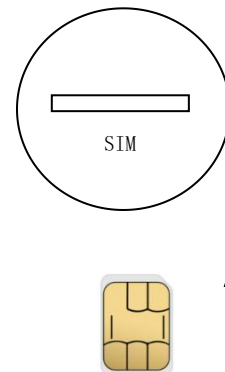
Installation guidance

Before the device is powered on, insert the SIM card in the SIM card slot as shown in the figure, and then power on the device; Note: Insert the SIM card in the correct way according to the received router type, otherwise the card will not be ejected inside (prohibited) Hot swap)

SIM card installation

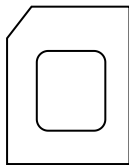


(Standard Card Type A)



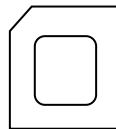
(Nano-sim card type B)

Common SIM Card Size Schematic



Standard Card

○ Size :15*25 mm



Micro-SIM Card

○ Size :12*15 mm



Nano-SIM Card

○ Size :9*12 mm



hot swapping is prohibited

Ports and keys

DC	Power Interface	Connection router power adapter
Nano-SIM	SIM card	slot installed SIM card
Reset	reset key	for reset router
WAN	extranet interface	Connect router to extranet (Light Cat / ADSL Cat / Extranet)
LAN	interface	wired device connected to router
MAIN		4G main antenna interface
DIV		4G diversity antenna interface

Indicator Description

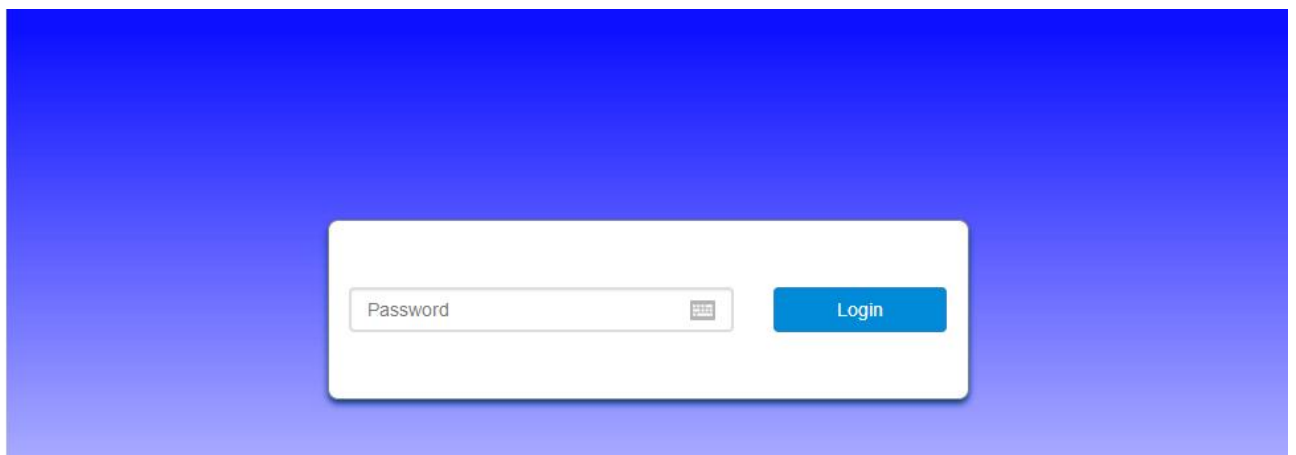
PWR equipment energized (on)
SYS system lamp (normal light)
4 G network signal light (flashing)
WIFI 2.4G/5.8G wireless start (always on)
LAN(1-4) Network data access

Login Management Page

The default SSID of this device is "Home-link-××××" or "MIFI-××××"(×4 bits after device MAC), wireless password is :1234567890

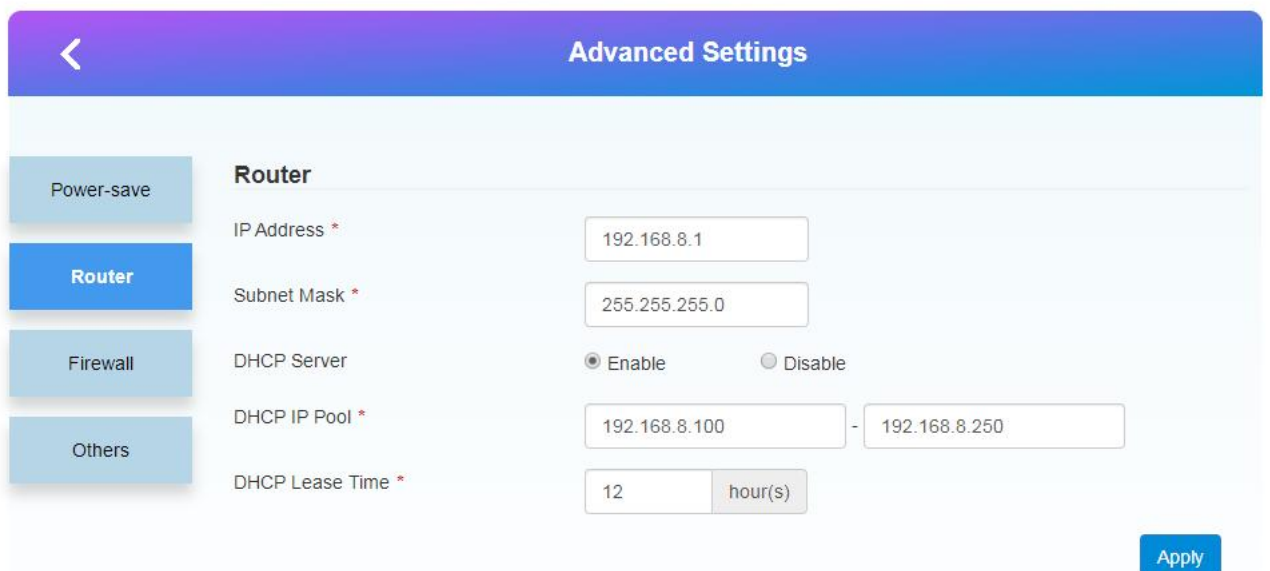
① Login through management IP

The default management address of the device is "192.168.8.1", the password "admin ", open the browser to enter the default ip address" http://192.168.8.1", enter the default password login

A screenshot of the login management page. It features a white login box centered on a blue gradient background. The box contains a text input field labeled "Password" with a small eye icon to its right, and a blue "Login" button to the right of the input field.

Configure the native IP address

Through the default IP login, select "**system settings**" → "**router**", according to their own needs to modify the IP address of the device login.

A screenshot of the "Advanced Settings" page, specifically the "Router" configuration section. The page has a blue header with a back arrow and the title "Advanced Settings". On the left, there is a sidebar with four menu items: "Power-save", "Router" (highlighted in blue), "Firewall", and "Others". The main content area is titled "Router" and contains the following settings:

- IP Address ***: A text input field containing "192.168.8.1".
- Subnet Mask ***: A text input field containing "255.255.255.0".
- DHCP Server**: Two radio buttons, "Enable" (selected) and "Disable".
- DHCP IP Pool ***: Two text input fields containing "192.168.8.100" and "192.168.8.250", separated by a hyphen.
- DHCP Lease Time ***: A text input field containing "12" and a label "hour(s)".

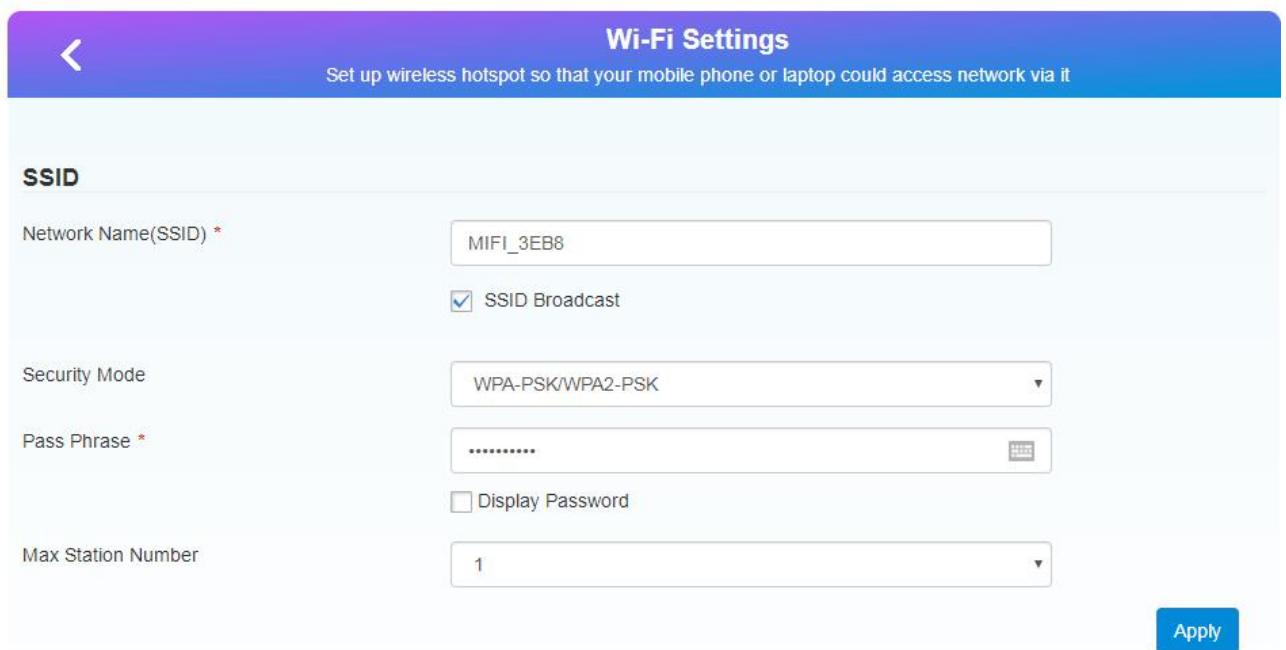
An "Apply" button is located at the bottom right of the page.

Set the Wireless Password

① Configuration and modification

Device default password is too simple, for your network security recommendations to modify the wireless password after use.

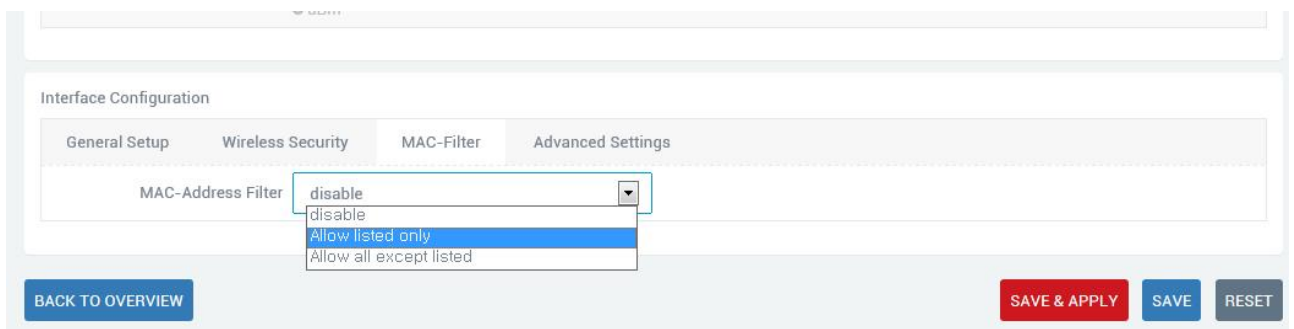
Choose to click on the home page "**network settings**" → "**set wireless intranet**", set the wireless name, wireless password (password recommended at least 8 digits), the maximum number of access default 32 bits do not need to set, click on the application.



The image shows a 'Wi-Fi Settings' configuration page. At the top, there is a blue header with a back arrow and the title 'Wi-Fi Settings'. Below the header, a subtitle reads: 'Set up wireless hotspot so that your mobile phone or laptop could access network via it'. The main content area is divided into sections. The first section is 'SSID', which includes a text input for 'Network Name(SSID) *' containing 'MIFI_3EB8', a checked checkbox for 'SSID Broadcast', a dropdown for 'Security Mode' set to 'WPA-PSK/WPA2-PSK', a password input field for 'Pass Phrase *' with masked characters and a toggle for 'Display Password', and a dropdown for 'Max Station Number' set to '1'. An 'Apply' button is located at the bottom right of the form.

② Configuration MAC- filtering

To more secure wireless network security use access routing advanced page operation: select ordinary home page "**advanced management**" → enter password "**admin**" → "**network**" → "**wireless**" click red font "**modify**" → interface configuration "**MAC- filtering**" can.



The image shows a 'MAC-Filtering' configuration page. It has a header with a back arrow and the title 'MAC-Filtering'. Below the header, a subtitle reads: 'Set up wireless hotspot so that your mobile phone or laptop could access network via it'. The main content area is divided into sections. The first section is 'Interface Configuration', which includes a tabbed interface with 'General Setup', 'Wireless Security', 'MAC-Filter', and 'Advanced Settings'. The 'MAC-Filter' tab is selected, showing a dropdown for 'MAC-Address Filter' with options: 'disable', 'disable', 'Allow listed only', and 'Allow all except listed'. The 'Allow listed only' option is selected. At the bottom, there are four buttons: 'BACK TO OVERVIEW', 'SAVE & APPLY', 'SAVE', and 'RESET'.

Configuration of Internet access

① WAN settings

Login system **"advanced management"** select **"network "-" interface "-" WAN"** set up the Internet access mode, there is **"automatic access / fixed IP"** common Internet access mode according to their own needs to configure the correct Internet access mode.

- Automatic Access (default)

Select **DHCP client mode** and the device will automatically get the IP address from the ISP(network server provider. Select this connection when the ISP does not provide any IP network parameters and connect to the Internet without any settings.

The screenshot shows the 'Interfaces - WAN' configuration page. At the top, there are tabs for 'WAN', '4GWAN', and 'LAN', with 'WAN' selected. Below the tabs is a header 'Interfaces - WAN' and a descriptive paragraph. The main configuration area is titled 'Common Configuration' and contains four sub-tabs: 'General Setup', 'Advanced Settings', 'Physical Settings', and 'Firewall Settings'. The 'General Setup' tab is active, showing a 'Status' section with RX and TX statistics, a 'Protocol' dropdown menu set to 'DHCP client', and a 'Hostname to send when requesting DHCP' text field. At the bottom of the page, there are three buttons: 'BACK TO OVERVIEW', 'SAVE & APPLY', and 'SAVE', along with a 'RESET' button.


- Fixed IP Access

Select the **"static address"** input operator provided (IP/ subnet mask / gateway) can be saved.

This screenshot shows the same 'Interfaces - WAN' configuration page, but with the 'Protocol' dropdown menu set to 'Static address'. The 'General Setup' tab remains active. Below the 'Protocol' dropdown, there are several input fields: 'IPv4 address', 'IPv4 netmask', 'IPv4 gateway', and 'IPv4 broadcast'. At the bottom, there is a 'Use custom DNS servers' text field with a small icon to its right. The 'Status' section and the 'SAVE & APPLY', 'SAVE', and 'RESET' buttons are also visible.

② 3G/4G Internet access

The routing system automatically dials after inserting the SIM card, and the advanced management page "**status** "-" **overview**" obtains the relevant IP address, MAC address, signal and other information to indicate the dialing success.

Status	
System	
Modle	MINI4GM
Version	v3.3
VersionDate	
Local Time	2021-07-07 07:05:38
MAC	C6:EE:A6:0C:3E:B8
Uptime	0h 28m 21s
Load Average	2.72, 2.85, 2.21
4G	
modle	ec20t
card	SIM Card OK
signal(2~31)	27,99
Network	
IPv4 WAN Status	
	Type: 3g
	Address: 10.225.25.188
	Netmask: 255.255.255.255
	Gateway: 10.64.64.64
	DNS 1: 120.80.80.80
DNS 2: 221.5.88.88	
Connected: 0h 28m 10s	
Active Connections	
296 / 16384 (1%)	

Tip:

- default, the WAN port does not access the network cable or the WAN port network interruption, all the Internet data will go to the network 3G/4G; when the detection of WAN port access network or restore the network data then 3 data stop, WAN port access is preferred.
- if 3G/4G operators have special requirements, need to fill in APN server related information.
(or request details of the private network card from the vendor)

Restoration of factory settings

When you forget to manage the password, unable to log on to the device, equipment configuration anomalies after restoring the factory configuration of this device

- method 1: when the system is running normally, press the router's Reset button with a sharp object for at least 6 seconds, waiting for the device to restart.
- method 2: select enter the **"System"** - **"Backup/Flash firmware"** and click **"reset"** button.

Backup / Restore

Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Download backup:

GENERATE ARCHIVE

Reset to defaults:

PERFORM RESET

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup:

浏览...

UPLOAD ARCHIVE...

Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires a compatible firmware image).

Keep settings:

☐

Image:

浏览...

FLASH IMAGE...

APN Configuration operation

When the operator requires or SIM needs to configure APN to dial into the network, please configure relevant parameters according to the operation below, and press the "save application" button to power off the module and restart it to take effect

- step : Click the web page: enter "super settings" -- "network" -- "interface"--- "4Gwan"

The screenshot displays the MINI4GM web interface. On the left, a dark sidebar contains a menu with 'Network' and 'Interfaces' highlighted. The main content area is titled 'Interfaces - 4Gwan'. Below this, there's a 'Common Configuration' section with tabs for 'General Setup', 'Advanced Settings', and 'Firewall Settings'. The 'General Setup' tab is active, showing various configuration fields. The 'APN' field is set to 'ctnet' and is highlighted with a red box. Other fields include 'Protocol' (UMTS/GPRS/EV-DO), 'Modem device' (/dev/ttyUSB2), '模块类型' (ec20a), '网络制式' (EC20_0_Auto), 'Service Type' (UMTS/GPRS), 'PIN', 'PAP/CHAP username' (user), and 'PAP/CHAP password'.

- matters needing attention:

- If SIM card requires to configure only APN, it only needs to configure a parameter "APN" in the page. After saving the application, it will take effect after power-off and restart
- If the operator has special requirements and needs to configure "APN + username + password", fill in the corresponding three items on the corresponding page and save them to take effect after power-off and restart; Remember, other irrelevant parameters on the module page should not be modified by default, otherwise they will not work properly!

Frequently Asked Questions

Web manage the background address and default password

Router background management address is 192.168.8.1, default management password is admin

Why is WAN port inserted into the external network cable, but still unable to access the Internet?

Check whether the external network data is normal, such as the selection of fixed IP Internet mode to check whether the configured IP server is ping normal.

Why the traffic card device is not connected

Check whether the flow card is in normal condition and whether the card binding causes the card separation to require the operator to unbind.