

Quick Installation Guide

Wireless router

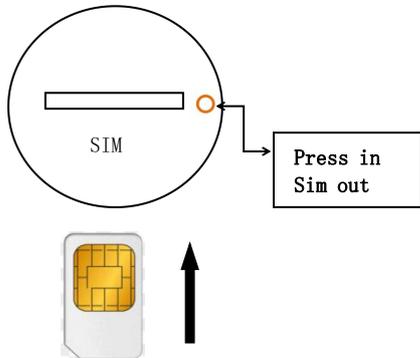
Fast Installation Guide



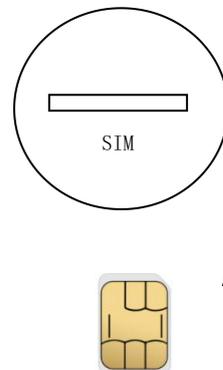
Installation guidance

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

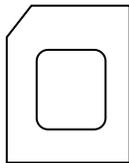


(Standard Card Type A)



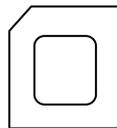
(Nano-sim card type B)

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

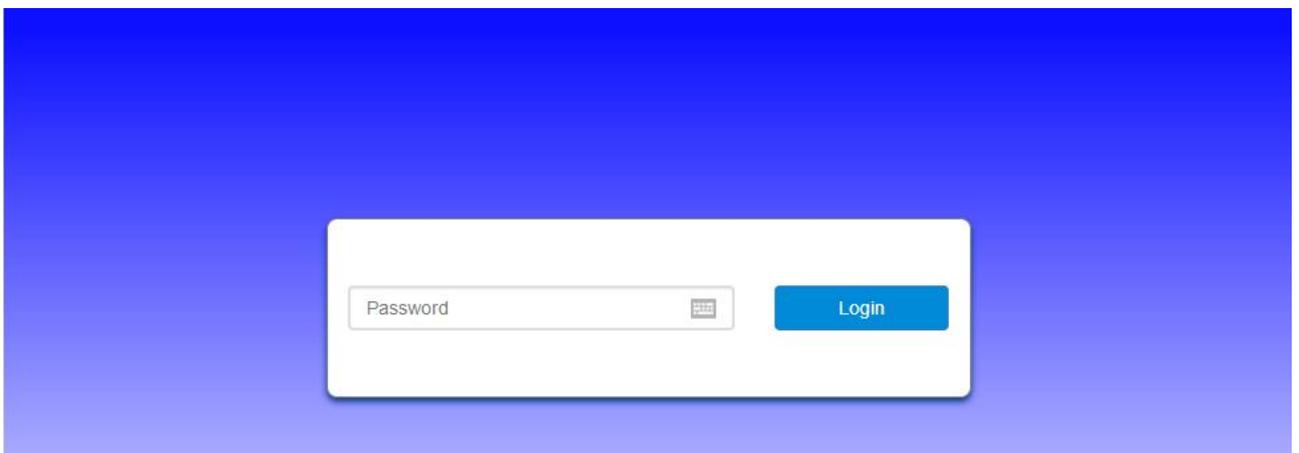
PWR equipment energized (on)
SYS system lamp (normal light)
4 G network signal light (flashing)
WIFI 2.4G/5.8G wireless start (always on)
LAN(1-4) Network data access

Login Management Page

The default SSID of this device is "Home-link-xxxx" or "MIFI-xxxx"(x4 bits after device MAC), wireless password is :1234567890

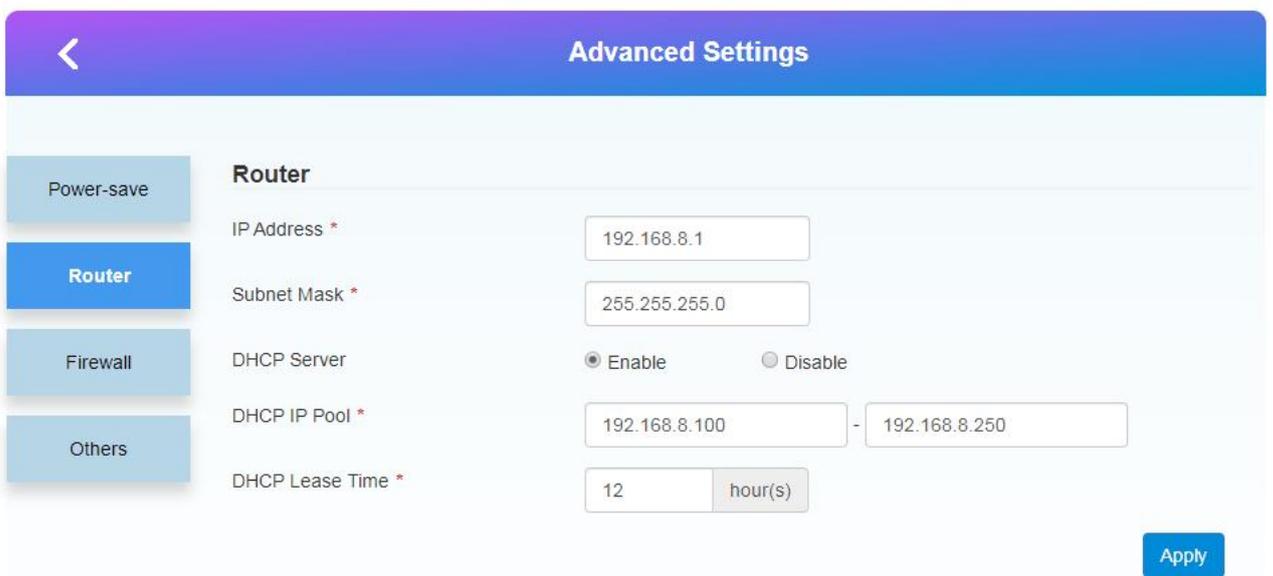
① Login through management IP

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



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.



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.

Wi-Fi Settings
Set up wireless hotspot so that your mobile phone or laptop could access network via it

SSID

Network Name(SSID) *

SSID Broadcast

Security Mode

Pass Phrase * Display Password

Max Station Number

Apply

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.

Interface Configuration

General Setup Wireless Security **MAC-Filter** Advanced Settings

MAC-Address Filter

disable
Allow listed only
Allow all except listed

BACK TO OVERVIEW **SAVE & APPLY** **SAVE** **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 WAN configuration page with the 'WAN' tab selected. The 'Interfaces - WAN' section is active, displaying a 'Common Configuration' panel with the 'General Setup' sub-tab selected. The 'Status' shows 'RX: 0 B (0 Pkts.)' and 'eth10 TX: 0 B (0 Pkts.)'. The 'Protocol' is set to 'DHCP client'. There is a text input field for 'Hostname to send when requesting DHCP'. At the bottom, there are buttons for 'BACK TO OVERVIEW', 'SAVE & APPLY', 'SAVE', and 'RESET'.

- Fixed IP Access

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

The screenshot shows the WAN configuration page with the 'WAN' tab selected. The 'Interfaces - WAN' section is active, displaying a 'Common Configuration' panel with the 'General Setup' sub-tab selected. The 'Status' shows 'RX: 0 B (0 Pkts.)' and 'eth10 TX: 0 B (0 Pkts.)'. The 'Protocol' is set to 'Static address'. There are text input fields for 'IPv4 address', 'IPv4 netmask', 'IPv4 gateway', and 'IPv4 broadcast'. There is also a checkbox for 'Use custom DNS servers' with an adjacent icon. At the bottom, there are buttons for 'BACK TO OVERVIEW', 'SAVE & APPLY', 'SAVE', and 'RESET'.

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:

Reset to defaults:

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

Restore backup:

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:

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 is a dark sidebar menu with the following items: Status, System, Services, Network (highlighted with a red box), Interfaces (highlighted with a red box), Wireless, Switch, DHCP and DNS, Hostnames, Static Routes, Diagnostics, Firewall, Load Balancing, and Logout. The main content area shows the configuration for the 4Gwan interface. At the top, there are tabs for WAN, 4Gwan (highlighted with a red box), and LAN. Below the tabs is the title 'Interfaces - 4Gwan' and a brief instruction. The configuration is organized into sections: 'Common Configuration' (with sub-tabs for General Setup, Advanced Settings, and Firewall Settings) and 'Status'. The 'Status' section shows: Status, Uptime: 0h 6m 52s, MAC-Address: 00:00:00:00:00:00, 3g-4gwan, RX: 360.31 KB (1979 Pkts.), TX: 540.32 KB (1914 Pkts.), and IPv4: 10.168.40.66/32. The 'General Setup' section includes: Protocol (UMTS/GPRS/EV-DO), Modem device (/dev/ttyUSB2), 模块类型 (ec20a), 默认自动识别, 网络制式 (EC20_0_Auto), 默认使用CDMA and HDR自适应模式, 选择Auto/LTE则连接4G网络(建议重启生效), Service Type (UMTS/GPRS), and APN (ctnet, highlighted with a red box). Other fields include 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.