

4G CPE User Manual

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Chapter 1 Overview

A 4G routing terminal device equipped with ASR platform 4G wireless communication module. Supports 2.4G WIFI, WPS, USB2.0, and other functions.

The device provides Wi Fi AP functionality. Wi Fi SSID default name is B625_ xxxx (xxxx is the last 4 digits of the MAC address), with a default password of 12345678
The default address of the device is 192.168.1.1, login http://192.168.1.1 The WEBUI management page allows for various settings, with an initial login account password of admin: admin.

notes:

1. Lithium battery power supply can support a maximum battery voltage of 4.35V.
2. USB input power supply is 5V1A.
3. Support button startup.
4. Support WPS function. (depending on the model)
5. Support the Factory reset button.
6. Before using the WEBUI management function, please clear the browser's browsing history.
7. Supports one LAN port

Chapter 2 WEBUI Management System

Pressing and holding the power button for more than 3 seconds can turn on the device and work. The WEBUI management page supports mainstream browsers such as Internet Explorer 11 and higher, Firefox, Chrome, and Safari.

2.1 Introduction to basic functions

The computer (phone) is connected to the device's WIFI hotspot through a network cable or WIFI. The interface after the user logs in by entering "192.168.1.1" in the browser
Initial login account admin and password admin.
For the first login, you can choose to quickly set the basic routing functions in sequence, or skip and directly enter the page

4G Wireless Router CPE

English | 中文 | español

Username

Password

Sign In

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Welcome! Thanks for choosing us.

We recommend running Quick Setup in order to set up the router.

Please ensure that you have followed the steps in the Quick Setup Guide to make sure that all the cables are connected correctly. This configuration setup procedure will guide you using step-by-step instructions on how to get your Internet connection up and running.

Quick Setup

Do not show Quick Setup in future. Skip

Note - You will still be able to access the Quick Setup link on your dashboard even if you skip it here.

Enter the page to view the basic information and status of the device

Dashboard | Internet | Home Network | SMS | Wireless | Router

Internet

Router

Home Network

Cellular Connection
SIM Status: Absent

Software Information
Device Mode: CPE
Software Version: SCK043_swcm_cpe02_H17_cn_0001
Hardware Version: N2_DS04_V20

Router Information
Router LAN IP: 192.168.0.1
IMEI: 3520990017614823
SN:
ICCID:
IMS:
Router Network Mask: 255.255.255.0
Router MAC: 00:0C:0D:00:00:00
Run Time: 0 Day 0 Hour 4 Minutes 39 Seconds

Connected Devices
1

Wireless
Enabled

Wireless Settings
Wireless Network: CPE-7504
Wireless Password: 1234567890
Security Mode: WPA-WPA2 Mixed
Channel Number: Automatic

DHCP Server
Enabled

Lan
Enabled
IP: 192.168.0.1

Traffic Statistics
Sent Packets: 363025
Received Packets: 705872

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2.2 Network mode and connection status

Network mode, PIN code management, flow statistics and flow limit can be set

Dashboard | Internet | Home Network | SMS | Wireless | Router

Internet Connection

Internet Connection

Traffic Statistics

Manual Network

Traffic Setting

USSD

Band Selection

My Internet Connection is: Cellular

Network Mode: 4G/3G

Preferred Network Mode: 4G Preferred

Preferred LTE Type: TD-LTE preferred

Connection Mode: Auto

Auto APN: ☐ Auto Configure APN

APN settings: change

Save

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2.3 Internet APN setting function

APN setting function, the device has preset most of the operator's APN related settings, and the APN can be automatically matched by setting it to automatic selection mode. At this point, the APN can be manually set. You need to remove the check mark before automatically adapting to APN and click Save. If you still cannot access the network after setting the APN according to the requirements of the SIM card operator, you can try to modify the authentication type. The two authentication types are different, and you can try both.

PDP Setting

PDP connection name: PDN1

3G APN Name: cmnet

LTE APN Name: cmnet

IP type: IPV4

Enable QOS: ☐

3G Authentication Type: NONE

LTE Authentication Type: NONE

OK Cancel

2.4 Home Network

This page can configure the gateway address of the device, the IP address connected to this device and the number of connected devices, and can limit the connection of WiFi devices, etc.

Dashboard | Internet | Home Network | SMS | Wireless | Router

DHCP Settings

DHCP Settings

Connected Devices

Device Traffic

Network Activity

Custom Firewall Rules

DHCP Range: 192.168.0.0 - 1

Router LAN IP: 192.168.0.1

DHCP Server: ☒ Enabled ☐ Disabled

DHCP Start Address: 192.168.0.0

DHCP End Address: 192.168.0.200

Save

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2.5 Wireless Settings

You can set WiFi name and password, hidden WiFi, encryption type and maximum number of simultaneous connections, etc.

Dashboard | Internet | Home Network | SMS | Wireless | Router

Wireless Settings

Wireless Security Settings

Wireless MAC Filters

Status: ☒ Enabled ☐ Disabled

802.11 Mode: 802.11n(b/g compatible)

Primary Channel: Automatic

Maximum Simultaneous Clients: 8

Save

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Dashboard | Internet | Home Network | SMS | Wireless | Router

Wireless Settings

Wireless Security Settings

Wireless MAC Filters

Wireless Security Settings

Network Name (SSID): CPE-7504

Network Visibility Status: ☒ Visible ☐ Invisible

Wireless Security: WPA-WPA2 Mixed

Add WPS Client

Password: *****

☐ Unmask Password

WPA Cipher: WPA-TKIP/WPA2-AES

Save

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2.6 Router Management

You can view account information, Factory reset, restart the device and other operations

Dashboard | Internet | Home Network | SMS | Wireless | Router

User Management

User Management

Configuration Management

Software Upgrade

Reboot Router

Time Setting

Add New Account

User Accounts

User Name	Access Level	Action
admin	Standard	Delete
sysadmin	Standard	Delete

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2.7 Common faults and analysis

Faults	Cause Analysis
light is not on	1. Lithium battery power supply: check whether the voltage of the lithium battery is 4.35V and whether it is installed correctly 2. USB power supply: voltage is 5V1A
Cannot open the UI interface	1. Check whether the network port or USB is normal (whether the device hotspot is connected) 2. Whether the gateway address is entered normally or changed by yourself
UI shows no network	1. Check that the device is in normal network mode. 2. Check whether the tariff card is normal 3. Whether the traffic limit function has been set
The terminal device cannot connect to the device via WiFi	1. Confirm that the WiFi password is correct 2. Confirm that the WiFi function is normally turned on and the WiFi hotspot is not hidden 3. Confirm that the connected device is not in the blacklist

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.