

LINKHUB

LTE cat7 Home Station

User Manual

HH70VH

Table of contents

| | |
|---|----|
| Safety and use | 3 |
| 1. Overview..... | 8 |
| 2. System requirements..... | 8 |
| 2.1 How to connect in WiFi mode..... | 8 |
| 3. Home..... | 10 |
| 3.1 How to log in to the Home page..... | 10 |
| 3.2 Web UI status bar page..... | 11 |
| 3.3 Status..... | 11 |
| 3.4 Statistics..... | 12 |
| 3.5 Setup wizard | 12 |
| 4. Services | 12 |
| 4.1 SMS..... | 12 |
| 4.2 Call logs..... | 14 |
| 4.3 Share..... | 14 |
| 5. Settings..... | 17 |
| 5.1 Dial-Up | 17 |
| 5.2 WAN | 18 |
| 5.3 WiFi..... | 20 |
| 5.4 Security | 22 |
| 5.5 Routing rule..... | 22 |
| 5.6 NAT | 23 |
| 5.7 QoS | 23 |
| 5.8 LAN | 23 |
| 6. System | 24 |
| 7. Warranty | 26 |
| 8. Q&A..... | 27 |

Safety and use

We recommend that you read this chapter carefully before using your device. The manufacturer disclaims any liability for damage, which may result as a consequence of improper use or use contrary to the instructions contained herein.

CONDITIONS OF USE:

Switch the device off before boarding an aircraft.

Switch the device off when you are in health care facilities, except in designated areas. As with many other types of equipment now in regular use, devices can interfere with other electrical or electronic devices, or equipment using radio frequency.

Switch the device off when you are near gas or flammable liquids. Strictly obey all signs and instructions posted in a fuel depot, petrol station, or chemical plant, or in any potentially explosive atmosphere.

When this device is switched on, it should be kept at least 20 cm from the body.

When the device is switched on, it should be kept at least 15 cm from any medical device such as a pacemaker, a hearing aid, or an insulin pump, etc.

Do not let children use the device and/or play with the device and accessories without supervision.

If your device has a removable cover, note that your device may contain substances that could create an allergic reaction.

If your device is a unibody device, the back cover is not removable. If you disassemble your device the warranty will not apply.

Always handle your device with care and keep it in a clean and dust-free place.

Do not allow your device to be exposed to adverse weather or environmental conditions (moisture, humidity, rain, infiltration of liquids, dust, sea air, etc.). The manufacturer's recommended operating temperature range is -20°C (-4°F) to +50°C (122°F).

Do not open, dismantle, or attempt to repair your device yourself.

Do not drop, throw, or bend your device.

Do not paint it.

Use only chargers and accessories which are recommended by EE Ltd. and its affiliates and are compatible with your device model. EE Ltd. and its affiliates disclaim any liability for damage caused by the use of other chargers.

Please note your device is a unibody device, the back cover is not removable. Observe the following precautions:

- Do not attempt to open the back cover;
- Do not puncture the back cover of your device;
- Do not burn or dispose of your device in household rubbish or store it at temperature above 60°C (140°F).

Device as a unibody device must be disposed of in accordance with locally applicable environmental regulations.



This symbol on your device and the accessories means that these products must be taken to collection points at the end of their life:

- Municipal waste disposal centres with specific bins for these items of equipment;
- Collection bins at points of sale.

They will then be recycled, preventing substances being disposed of in the environment, so that their components can be reused.

In European Union countries:

These collection points are accessible free of charge.

All products with this sign must be brought to these collection points.

In non-European Union jurisdictions:

Items of equipment with this symbol are not to be thrown into ordinary bins if your jurisdiction or your region has suitable recycling and collection facilities; instead they are to be taken to collection points for them to be recycled.

Adapters:

Mains powered adapters will operate within the temperature range of: 0°C (32°F) to 40°C (104°F).

The adapters designed for your device meet the standard for safety of information technology equipment and office equipment use. They are also compliant with the ecodesign directive 2009/125/EC.

Due to different applicable electrical specifications, an adapter you purchased in one jurisdiction may not work in another jurisdiction. They should be used for this purpose only.

Radio waves

Proof of compliance with international standards (ICNIRP) or with European Directive 2014/53/EU (RED) is required of all device models before they can be put on the market. The protection of the health and safety for the user and any other person is an essential requirement of these standards or this directive.

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by international guidelines. The guidelines were developed by an independent scientific organisation (ICNIRP) and include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They recommend that if you are interested in further reducing your exposure then you can easily do so by limiting your usage or keep the device away from the head and body.

Additional information about electromagnetic fields and public health are available on the following site: <http://www.who.int/peh-emf>.

Your device is equipped with a built-in antenna. For optimal operation, you should avoid touching it or degrading it.

Licences



The WiFi Logo is a certification mark of the WiFi Alliance.

This equipment may be operated in all European countries.

The 5150-5350 MHz band is restricted to indoor use only.

| | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| BE | BG | CZ | DK | DE | EE | IE | EL | ES | FR | HR | IT | CY | LV | NO | IS |
| LT | LU | HU | MT | NL | AT | PL | PT | RO | SI | SK | FI | SE | UK | LI | CH |

We hereby point out that the end user warranty for infringement IPR is solely limited to the EU/EEA/Switzerland.

If and to the extent that the Product is exported, taken with, or used by end customer or end user outside the EU/EEA/Switzerland any responsibility, warranty or indemnification of manufacturer and its suppliers in regard to the Product expires (including any indemnification in regard to infringement IPR).

General information

Internet address: www.alcatel-mobile.com

Hot Line Number: see "SERVICES" leaflet or go to our website.

Manufacturer: TCL Communication Ltd.

Address: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong.

This radio equipment operates with the following frequency bands and maximum radio-frequency power:

GSM900 : 32.5dBm

GSM850 : 32.5dBm

GSM1800 : 29.5dBm

GSM 1900 : 29.5dBm

UMTS 2100/1800/900 : 23dBm

LTE 2100/1800/2600/900/800 : 23dBm

LTE TDD 38/40 : 23dBm

802.11a/b/g/n/ac : 2.4GHz<20dBm , 5GHz<20dBm

Regulatory information

Hereby, TCL Communication Ltd. declares that the radio equipment type HH70VH is in compliance with Directive 2014/53/EU.

Additional information

The full text of the EU declaration of conformity is available at the following internet address: http://www.alcatel-mobile.com/EU_doc

The description of accessories and components, including software, which allow the radio equipment to operate as intended, can be obtained in the full text of the EU declaration of conformity at the following internet address: http://www.alcatel-mobile.com/EU_doc

Disclaimer

There may be certain differences between the user manual description and the device's operation, depending on the software release of your device or specific operator services.

TCL Communication Ltd. shall not be held legally responsible for such differences, if any, nor for their potential consequences, which responsibility shall be borne by the operator exclusively. This device may contain materials, including applications and software in executable or source code form, which is submitted by third parties for inclusion in this device ("Third Party Materials"). All Third Party Materials in this device are provided "as is", without warranty of any kind, whether express or implied. The purchaser undertakes that TCL Communication Ltd. has complied with all quality obligations incumbent upon it as a manufacturer of mobile devices and devices in complying with Intellectual Property rights. TCL Communication Ltd. will at no stage be responsible for the inability or failure of the Third Party Materials to operate on this device or in interaction with any other device. To the maximum extent permitted by law, TCL Communication Ltd. disclaims all liability for any claims, demands, suits or actions, and more specifically – but not limited to – tort law actions, under any theory of liability, arising out of the use, by whatever means, or attempts to use, such Third Party Materials. Moreover, the present Third Party Materials, which are provided free of charge by TCL Communication Ltd., may be subject to paid updates and upgrades in the future; TCL Communication Ltd. waives any responsibility regarding such additional costs, which shall be borne exclusively by the purchaser. TCL Communication Ltd. shall not be held responsible for the lack of availability of any application, as its availability depends on the country and the operator of the purchaser. TCL Communication Ltd. reserves the right at any time to add or remove Third Party Materials from its devices without prior notice; in no event shall TCL Communication Ltd. be held responsible by the purchaser for any consequences of such removal.

1. Overview

This device allows you to share a secure mobile broadband internet connection using WiFi or LAN. You can connect most WiFi enabled devices to it. (PCs, mobile gaming devices, smartphones, tablets, etc.) To get the best signal, the ideal place for your device will be near a window. Try a few different locations until you find the one with the best signal.

2. System requirements

This Cat7 Router is compatible with WiFi devices which support 2.4GHz (802.11 b/g/n) or 5GHz (802.11 a/n/c) and have a web browser.

2.1 How to connect in WiFi mode

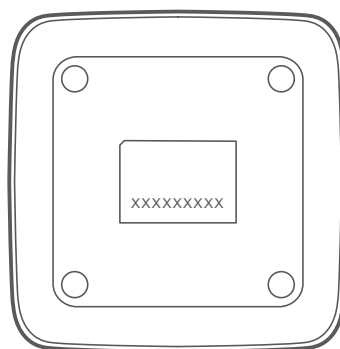
Step 1: Enabling WiFi on your Cat7 Router.

When the WiFi indicator is solid blue, WiFi is enabled.

Step 2: Recording the SSID and WiFi Key.

The default SSID and WiFi key are printed on the device label, situated on the underside of your Cat7 Router.

To prevent unauthorised parties from accessing your WiFi network, it is recommended that you change the SSID and WiFi key from time to time. For more information, please refer to the User Guide which can be accessed via the Web User Interface.



Step 3: Setting up a WiFi connection

- **Setting up a WiFi connection manually:**

- 1) From your WiFi enabled client, perform a scan for wireless networks.
- 2) Connect to the network name that matches the SSID found on the device label.

- 3) When prompted for a password, enter the WiFi key found on the device label (this is case sensitive). Your client will notify you when it is connected.

- **Setting up a WiFi connection through WPS:**

Your client must support WPS. There are 3 ways to set up a WPS connection.

Option 1: WPS button

- 1) Ensure that WiFi is enabled on the client and enable WPS.
- 2) Press and hold the WPS button for 3 seconds. The WiFi LED will begin to flash blue.
- 3) Your device should then automatically connect.

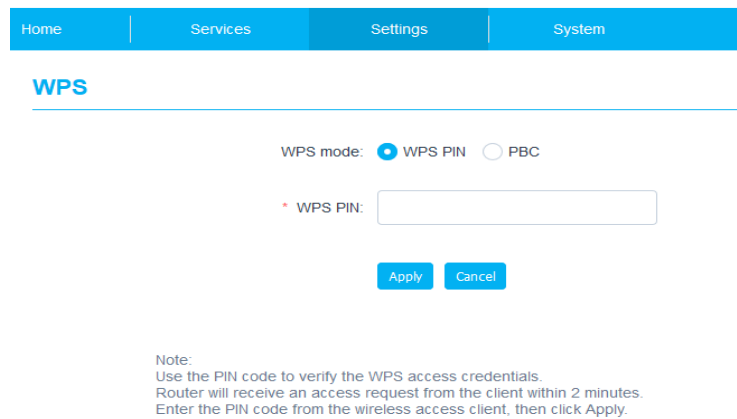
Option 2: WPS key

- 1) Enable the WPS function on your smart device (only Android devices are supported) and note the WPS key.
- 1) Open the WPS page on your Web User Interface (Navigate to Settings / WiFi / WPS).
- 2) Enter the WPS key on the WEB User Interface and click **Apply**.
- 3) Your device should then connect automatically.

The screenshot shows a web interface with a top navigation bar containing 'Home', 'Services', 'Settings', and 'System'. The 'Settings' tab is active. Below the navigation bar, the 'WPS' section is displayed. It features a 'WPS mode:' label with two radio buttons: 'WPS PIN' (selected) and 'PBC'. Below this is a text input field labeled 'WPS PIN:'. At the bottom of the form are 'Apply' and 'Cancel' buttons. A 'Note:' section at the bottom of the page reads: 'Use the PIN code to verify the WPS access credentials. Router will receive an access request from the client within 2 minutes. Enter the PIN code from the wireless access client, then click Apply.'

Option 3: PBC

- 1) Open the WPS page on your Web User Interface (Navigate to Settings / WiFi / WPS).
- 2) Click on **PBC**.
- 3) Click **Apply**. WPS is now enabled for 2 minutes.
- 4) Enable WPS on your client and it should automatically connect.



Home | Services | **Settings** | System

WPS

WPS mode: ☒ WPS PIN ☐ PBC

* WPS PIN:

Note:
Use the PIN code to verify the WPS access credentials.
Router will receive an access request from the client within 2 minutes.
Enter the PIN code from the wireless access client, then click Apply.

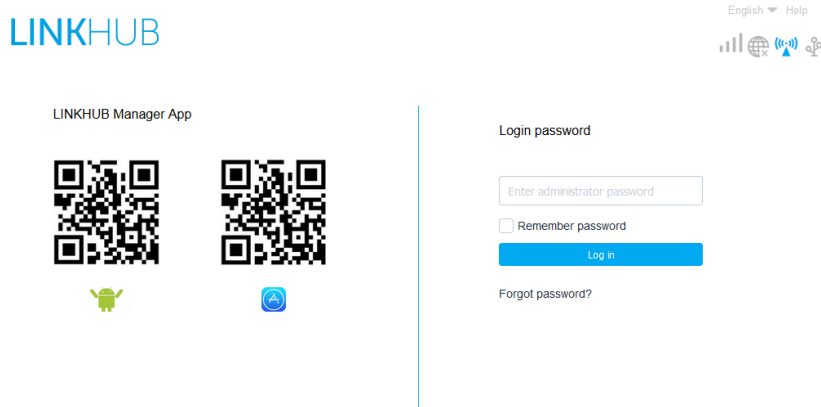
3. Home

The Web User Interface is compatible with the following browsers:

- Mozilla Firefox
- Safari 4.0.2 to 7.02
- Internet Explorer 9.0 or later.
- Microsoft Edge
- Opera
- Google Chrome

3.1 How to log in to the Home page

- 1) Open your web browser.
- 2) Input http://192.168.1.1 into the address bar and press enter. The Home page will then load, as shown in the screenshot below.



LINKHUB

English Help

LINKHUB Manager App

Enter administrator password

☐ Remember password

[Forgot password?](#)

- 3) Log in to change your Cat7 WiFi device SSID and password, or change other basic settings.









Default username: **admin**

Default password: **admin**

Note: You will be forced to change the default password for additional security.

3.2 Web UI status bar page

Status bar icons

| Description | Icon displayed |
|--------------------|--|
| Network technology | 3G or 4G will be displayed, depending on the network available. No service will be displayed when there is no network available. |
| Signal indicator |  From no signal to excellent. |
| Connection status |  disconnected,  connected |
| SMS |  New message / Unread message(s) in inbox  SMS box is full. |
| WiFi status |  WiFi is enabled.  WiFi is disabled. |
| USB |  USB device or printer is connected. |

3.3 Status

Status allows you to view your device information including internet, LAN, WAN and WiFi. You can connect, disconnect or change the SSID of the device here.

3.4 Statistics

The internet statistics can be seen here, both for your current session and your total traffic for the month.

Note: These figures are only meant to be used as a guide.

3.5 Setup wizard

LAN and WiFi statistics can also be viewed.

You can make changes to basic connection settings here and enable/disable data roaming.

On the next page, you can change the SSID or enable/disable 2.4GHz or 5GHz.

On the final page, you can setup your WiFi security and change the WiFi key.

4. Services

You can navigate to **Services** and click the items you want. In this section, the following items are included:

4.1 SMS

Inbox: List the messages received.

Sent: List the messages sent successfully.

Draft: Unsent messages are saved here.

New message: Write a new message.

SMS Forwarding: Forward messages to a recipient's mobile number.

SMS Settings: Configure settings for messaging.

How to read an SMS:

Left-click the content of the message you wish to read.

How to send an SMS:

- 1) Click on **SMS**.
- 2) Left-click on **New message**.

- 3) Input the recipient's number and message content.
- 4) Click **Send**.

Note: you may also save the message to **Draft** by clicking on **Save**. An SMS message cannot be sent to multiple recipients simultaneously.

How to forward an SMS:

- 1) Click on the content of the message that you wish to forward.
- 2) Click **Forward**.
- 3) Input the new recipient's number.
- 4) Click **Send**.

How to reply to an SMS:

- 1) Left-click the content of the message in your Inbox that you wish to reply to.
- 2) Click **Reply**.
- 3) Input the content that you wish to send.
- 4) Click **Send**.

How to delete an SMS:

- 1) Find the message you wish to delete in either the Inbox, Sent or Draft folder.
- 2) Tick the box in the far right column for the message(s) that you wish to delete.
- 3) Click **Delete**.

How to delete all SMS:

- 1) Left-click at the top of the column to select all.
- 2) Click **Delete**.


How to enable SMS delivery reports:

- 1) Click **SMS Settings**.
- 2) Click  .

How to disable SMS delivery reports:

- 1) Click **SMS Settings**.
- 2) Click .

How to enable SMS forwarding:

- 1) Click **SMS forwarding**.
- 2) Click .
- 3) Enter recipient's number.
- 4) Click **Apply**.

How to disable SMS forwarding:

- 1) Click .
- 2) Click **Apply**.

SMS Settings:

SMS delivery reports: You can enable or disable delivery reports here.

SMS centre: This is preset and is non-editable.

4.2 Call logs

Call logs allows you to view your call logs, including incoming call, outgoing call and missed call. Once the device is connected, you can view the call logs from [here](#).

4.3 Share

USB mass storage

Samba and FTP

The Samba and FTP Service allows computers running different operating systems to access files in the USB storage device connected to your Cat7 Router.

- **How to access files in the USB storage via Samba:**

- 1) Log in to your Cat7 Router Web-UI and go to **Services -> Share -> Connected devices**. Ensure that the **Access Storage** of the connected devices is enabled.
- 2) Go to **Services -> Share -> USB mass storage** and enter the administrator password.
- 3) Enable **Samba**.
- 4) On Windows OS: Go to 'My Computer'. Click in the navigation bar where it says 'Computer' and input \\192.168.1.1 (If default IP address is changed, Samba IP address will be changed accordingly). Double-click on the **admin** shared folder and input your username and password (same as the credentials used to log in to the Web UI) to access the USB storage.

On MAC OS, there are 2 ways to access files in the USB storage via Samba.

- Go to 'File -> New Finder Window'. Check for Cat7 Router under Shared and left-click on it. Click on 'Connect As...' and select 'Registered User'. Enter your username and password (same as the credentials used to log in to the Web UI). Then double-click on admin.
- Select 'Go' -> Connect to Server. Input smb://192.168.1.1 (If default IP address is changed, Samba IP address will be changed accordingly), the shared folder will then appear in the folder list. Input your username and password (same as the credentials used to log in to the Web UI), and click connect.

- **How to access files in the USB storage via FTP:**

- 1) Download and install your chosen FTP program.
- 2) Log in to your Cat7 Router Web-UI and go to **Services -> Share -> Connected devices**. Make sure that connected devices have enabled the **Access Storage** permission.
- 3) Go to **Services -> Share -> USB mass storage** and enter the administrator password.
- 4) Enable **FTP**.
- 5) Input the following details into your FTP program:
Host: 192.168.1.1
Username: admin
Password: (same as password to log in to the Web UI)
- 6) You may now connect.

USB

- **USB mass storage**

- 1) Click on **Services** -> **USB mass storage** and enable **Samba**.
- 2) Click **Start**, enter \\192.168.1.1, and press **Enter**. You can then access the storage in the same way as outlined above.

- **USB Printer**

- 1) Connect a USB printer via the USB port on your Cat7 Router.
- 2) Connect your computer to your Cat7 Router.
- 3) Install the printer driver on your computer and select the USB printer from the printer list on your computer.

Note: Set the printer port as a standard TCP / IP port with address 192.168.1.1 (this should be the same as your Cat7 Router Web-UI address).

- 4) Click **File** and select **Print** to start printing.

DLNA

Sharing Files Using the DLNA Function.

After enabling Digital Living Network Alliance (DLNA), you can use a connected device that support DLNA to perform functions such as accessing multimedia files stored on a USB device.

- 1) Download and install your chosen DLNA program.
- 2) Go to **Services** -> **Share** -> **DLNA**. Input your administrator password and click **Log in**. You may now enable or disable **DLNA**.
- 3) Open your DLNA program on the connected device to view the DLNA content.

Device access

You can configure access to the internet and storage for any connected devices. Connected devices will be shown in the table on this page, it is

possible to enable or disable access for each device. You may also rename each connected device.

5. Settings

You can go to **Settings** and make changes to the following:

Dial-up

WAN

Wi-Fi

Security

NAT,

QoS

LAN

5.1 Dial-Up

Data Connection

Mobile Connection lets you configure connection mode, Data roaming and connect IP mode.

Profile Management

Profile Management allows you to set up a new APN profile or edit/delete existing profiles that have been created.

- **How to add a new profile:**

1) Click New.

2) Input the correct parameters for your Network Operator. Profile Name / Dial number / APN are required as a minimum.

3) Click Save.

- **How to Edit a profile:**

1) Select the profile from the Profile management list.

2) Click Edit to change the parameters.

3) Click Save.

- **How to delete a profile:**

1) Select the profile from the Profile management list.

2) Click Delete.

Note: The default profile cannot be deleted.

- **Setting as default:**

1) Select the profile from the Profile management list.

2) Click Set default.

Note: Once the new profile has been set as default, (Default) will be added next to the profile name.24 Settings .

Network settings:

You can set the Network search mode to either Auto or Manual, and change the Network mode to either Auto or 4G only. Ensure that you click Apply after making any changes.

Monthly plan

Monthly plan allows you to configure your monthly target for your device such as monthly data plan, auto disconnect, time limit etc

5.2 WAN

WAN status

It allows you to view the status and information of WAN including IP address, subnet mask, gateway, DNS server etc.

Configure WAN

Set up the WAN connection mode and parameters here. You can set the connection mode to PPPoE, DHCP or static IP.

PPPoE: PPPoE stands for Point-to-Point Protocol over Ethernet. This is a network protocol that is mainly used for DSL services where individual users connect to a modem using an Ethernet connection. Enter the username and password provided by your network service provider and click Apply.

DHCP: Dynamic Host Configuration Protocol (DHCP) is a client /server protocol that automatically provides you with an internet Protocol (IP) host. The IP address and related configuration settings such as subnet mask and default gateway are all automatically assigned. Select DHCP and click Apply.

Static IP: Access the internet using a fixed IP address, subnet mask, gateway IP address and Primary DNS server, these should be provided by your network service provider.

MTU: Maximum Transmission Unit - This is the largest packet size or frame that can be sent. It is set to 1492 by default.

MAC Clone

Using the MAC Clone function, multiple clients can connect to the Cat7 Router and access the internet.

Your current MAC address is displayed here. Click Reset to set a new MAC address. Click Clone to copy your host Mac address.

5.3 WiFi

Basic

English ▼ Help Log out

LINKHUB

Home | Services | Settings | System

Dial-Up ▼

WAN ▼

Wi-Fi ▲

Basic

Advanced

WPS

Security ▼

NAT ▼

QoS

LAN

Basic

2.4GHz

Wi-Fi 2.4GHz ☒

* SSID:

SSID broadcast ☒

Security:

Encryption:

* Wi-Fi password:

☐ Show password

5GHz

Wi-Fi 5GHz ☒

* SSID:

- **SSID:** This is the name of the WiFi network and is used to identify your WiFi network. The SSID can be between 1 and 32 characters long.
- **SSID Broadcast:** This is enabled by default.
Note: If you do choose to disable this, the SSID will no longer be displayed and will need to be entered manually.
- **Security:** You can choose the security mode, available options are **Disable**, **WEP**, **WPA**, **WPA2**, or **WPA/WPA2**.
- **Encryption:** This is set to **Auto** by default, available options are **TKIP**, **AES**, or **Auto**.

Advanced

LINKHUB

English ▼ Help Log out

Home Services Settings System

Dial-Up ▼

WAN ▼

Wi-Fi ▲

Basic

Advanced

WPS

Security ▼

NAT ▼

QoS

LAN

Advanced

2.4GHz

Country/Region: UNITED KINGDOM ▼

Channel: Auto ▼

802.11 mode: 802.11b/g/n ▼

AP isolation: ☐

Bandwidth: Auto ▼

5GHz

Country/Region: UNITED KINGDOM ▼

Channel: Auto ▼

802.11 mode: 802.11a/c ▼

AP isolation: ☐

- **Channel:** Different regions use different channels (Channel 1-11 in FCC (US) / IC (Canada); Channel 1-13 in ETSI (Europe); Channel 1-13 in MKK (Japan)).
- **802.11 Mode:** You can select from the available options via the drop-down menu. For 2.4GHz, this is set to **802.11b/g/n** by default. For 5GHz, this is set to **802.11a/c** by default.
- **AP isolation:** You can enable or disable this function.
- **Bandwidth:** You can select from the available options via the drop-down menu. This is set to **Auto** by default.


WPS

Use the WPS key to verify the WPS access credentials. Your router will receive an access request from the client within 2 minutes. Enter the WPS key from the wireless access client, then click **Apply**. (For more information on how to set up WPS, please see page 14)


5.4 Security

SIM PIN management

- **Enabling SIM PIN:**

- 1) When SIM PIN is disabled, click .
- 2) Enter a SIM PIN that is 4-8 digits long.
- 3) Click **Apply**.

- **Disabling SIM PIN:**




- 1) When SIM PIN is enabled, click .
- 2) Enter the current SIM PIN.
- 3) Click **Apply**.

- **Changing SIM PIN:**

- 1) When SIM PIN is enabled, click **Change SIM PIN**.
- 2) Enter the old SIM PIN and confirm the new SIM PIN.
- 3) Click **Apply**.

Note: When a SIM PIN is entered incorrectly 3 times, a PUK code is required. You can obtain this by calling customer services on 150 using your SIM.

5.5 Routing rule

You can add, edit, or remove the routing rules for your Cat7 router. Routing rules are used to deliver data from Cat7 router. You can either enable static rule or dynamic rule from here. Click  to input destination IP, subnet mask and router IP address and click Apply. Click  to enable static routing or Click  to enable the dynamic static and rip. Rip version could be set from here as well.

5.6 NAT

DMZ

If external users cannot access certain network services provided by the LAN, you can enable DMZ and set a new Host IP address. Click to enable it. Enter an appropriate Host IP address and then click Apply.

UPnP

Universal Plug and Play (UPnP) is a set of networking protocols that allows devices connected to your Cat7 Router to discover each other and establish functional network services for data sharing, communications, and entertainment. You may enable or disable UPnP. This function is disabled by default.

Virtual Server

The device supports the virtual server to enable external users to use the services provided in the local area network (LAN) using the Hypertext Transfer Protocol (HTTP), File Transfer Protocol (FTP), and other protocols. Click to enter the parameter including name, LAN IP address, LAN port, WAN port etc. and click Apply.

5.7 QoS

Quality of Server (QoS) is an advanced feature that prioritises Internet traffic for applications, online gaming, Ethernet LAN ports, or specified MAC addresses to minimise the impact of busy bandwidth. Enable QoS, set your uplink and download limits and click Apply.

5.8 LAN

Local area network (LAN) parameters are displayed here. The default Gateway address is 192.168.1.1.

The default Subnet Mask is 255.255.255.0.

DHCP Server will automatically assign IP addresses to devices in the network, it is disabled by default.

6. System

Device info

You can view info for your device here such as IMEI, software version and MAC address.

Reboot and reset

Click Reboot to reboot the device and click Reset to restore Factory default settings.

You also can use the reset button on your Cat7 router.

Update

Online Update:

Click Check for updates. Your Cat7 Router will check if there is an update available. If one is found, you may click Download. Once the file has downloaded successfully you will be able to click Update.

Note: Do not power off your router during the update process as this may damage it.

Device management

- **Login password**

Enter your current password and confirm a new password. Your chosen password must be between 4-16 characters long.

- **System Settings**

You can select the correct time zone here. Note that the time is automatically adjusted for Daylight Saving Time.

- **NTP server**

Network Time Protocol (NTP) is a networking protocol for clock synchronisation between computer systems over packet-switched data networks. You can specify which NTP servers to use

- **Backup & restore**

How to save the configuration:

Click **Backup** to backup current device configuration. On both Windows and MAC OS, this is saved to your 'Downloads' folder.

How to restore the configuration:

- 1) Click **Browse** to select a file.
- 2) Click **Restore**.

TR069

TR-069 (Technical Report 069) is a technical specification that defines an application layer protocol for remote management of end-user devices. Click to enable Inform, enter Inform interval, ACS URL, ACS username and ACS password and Click Apply.

Restart and reset

Click **Restart** to reboot the device and click **Reset** to restore Factory default settings.

You also can use the reset button on your Cat7 Router.

Update

Local update:

Before performing a local update of your Cat7 Router, save the update package to your computer first. Click **Browse** to navigate to the saved update package and click **Update**.

Note: Do not power off your router during the update process as this may damage it.

Online Update:

Click **Check for updates**. Your Cat7 Router will check if there is an update available. If one is found, you may click **Download**. Once the file has downloaded successfully you will be able to click **Update**.

Note: Do not power off your router during the update process as this may damage it.

7. Warranty

Your device is warranted against any defect or malfunctioning which may occur in conditions of normal use during the warranty period of twenty-four (24) months¹ from the date of purchase as shown on your original invoice.

Accessories sold with your device are also warranted against any defect which may occur during the first twelve (12) months⁽¹⁾ from the date of purchase as shown on your original invoice.

In case of any defect of your device which prevents you from normal use thereof, you must immediately inform your vendor and present your device with your proof of purchase.

If the defect is confirmed, your device or part thereof will be either replaced or repaired, as appropriate. Repaired device and accessories are entitled to a one (1) month warranty for the same defect. Repair or replacement may be carried out using reconditioned components offering equivalent functionality.

This warranty covers the cost of parts and labor but excludes any other costs.

This warranty shall not apply to defects to your device and/or accessory due to (without any limitation):

- Non-compliance with the instructions for use or installation, or with technical and safety standards applicable in the geographical area where your device is used;
- Connection to any equipment not supplied or not recommended by TCL Communication Ltd.;
- Modification or repair performed by individuals not authorised by TCL Communication Ltd. or its affiliates or your vendor;
- Modification, adjustment or alteration of software or hardware performed by individuals not authorised by TCL Communication Ltd.;
- Inclement weather, lightning, fire, humidity, infiltration of liquids or foods, chemical products, download of files, crash, high voltage, corrosion, oxidation.

Your device will not be repaired in case labels or serial numbers (IMEI) have been removed or altered.

There are no express warranties, whether written, oral or implied, other than this printed limited warranty or the mandatory warranty provided by your country or jurisdiction.

In no event shall TCL Communication Ltd. or any of its affiliates be liable for indirect, incidental or consequential damages of any nature whatsoever,

¹ The warranty period may vary depending on your country.

including but not limited to commercial or financial loss or damage, loss of data or loss of image to the full extent those damages can be disclaimed by law.

Some countries/states do not allow the exclusion or limitation of indirect, incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.

8. Q&A

How can I access the Home page?

- 1) Open the web browser.
- 2) Enter <http://192.168.1.1> in the address bar.
- 3) Once the Cat7 Router home page is displayed, enter the login password: **admin**.
- 4) Click **Log in**.

What should I do if I can't log in to the web management page?

- 1) Make sure the power indicator of the device is on (solid blue). If not, power on the device.
- 2) Check whether the connection between end user's device and Cat7 Router is functioning properly.
 - If the end user is connected to the Cat7 Router through WiFi, go to the WiFi connection page to check the connection status.
 - If end user's device is connected to Cat7 Router using a network cable, check whether the LAN / WAN indicator is on (solid blue).
- 3) Make sure 192.168.1.1 is entered correctly in the web browser.

What should I do if I can't access the internet?

- 1) Make sure your SIM is a 4G or 3G card.
 - If no SIM is detected, power off your Cat7 Router, reinsert the SIM, and try again.
 - If a PIN is required, enter the PIN and try again.

-If no network is available, move the device to a an area with a better signal (try placing it near a window) and try again, and try again.

- 2) Make sure 192.168.1.1 is entered correctly in the web browser and press Enter.
- 3) Reboot your Cat7 Router and try again.
- 4) If MAC address filtering is enabled, make sure your device MAC address is on the approved list.
- 5) If Parental Control is enabled, make sure your device name and MAC address is not under parental control.

What should I do if I experience any issue with the device?

- 1) Restart the device.
- 2) Refer to the User Guide on the web management page.
- 3) Reset the device to its factory settings.
- 4) Contact your service provider.

What should I do if I forget the WiFi key?

- 1) Log in the web configuration page (192.168.1.1 as default). Go to Settings -> WiFi -> Basic. Click Show password to obtain current WiFi Key.
- 2) Reset the device to factory default settings. Use a paper clip or a blunt pin to gently press the reset button for 3 seconds. The WiFi key will be reset to the default password found on the bottom label of the device. During the reset, all LEDs will turn on, then off, and finally turn on again once the reset is completed.

Which operating system does the device support?

The device supports the following operating systems:

- 1) Windows 7/8/10.
- 2) Mac OS X (10.6.X-10.12.X)
- 3) Linux.

How can I connect Cat7 Router via WiFi?

Open your Wireless Network Connection list.

Follow these steps to select the device SSID:

For a Windows device:

- 1) Right-click Wireless Network Connection on the task bar.
- 2) Select the network name (SSID) of your Cat7 Router, click connect, and enter the WiFi key.

For Mac:

- 1) Click the AirPort icon.
- 2) Select the network name (SSID) of your Cat7 Router from the drop-down menu, and enter the WiFi key.

What should I do if I see the SSID but the device fails to connect?

Make sure you have entered the correct key.

What should I do if the network indicator is solid red?

When there is no SIM, no service, or the device is not registered to the network, the network indicator on Cat7 Router is solid red.

- 1) If using a SIM:
 - Make sure the SIM is valid and inserted correctly.
 - Move the Cat7 Router to an area with a better signal (try placing it near a window).
- 2) If using an ethernet network via cable, check if ethernet network functions properly.

What should I do if a multi-network IP address conflict occurs?

IP address conflict could happen when a computer is using multiple types of internet connections. For example, computer is connected with Cat7 Router via ethernet cable and other network adapter via WiFi. If IP addresses are the same, you may fail to log in Cat7 Router home page due to IP address conflict.

Why does the SSID not appear in the wireless network list?

Follow the steps below to make sure the device is set up correctly:

- 1) Check the device to see if the Wi-Fi indicator is on or off.
- 2) Refresh the network list on your computer. Follow the instructions below:

For Windows:

- 1) Click the Refresh Network icon on the right top corner of the Wireless Network Connection screen.
- 2) Right-click Wireless Network Connection.
- 3) Click Open network and sharing centre.
- 4) Select Wireless Management.
- 5) Click the wireless network which is not being used, and delete it from network list.
- 6) Click OK and restart your computer.

For Mac: Try rebooting your computer.

What should I do if the Cat7 Router configuration page display is No SIM or Invalid SIM?

Possible reasons for this may be that there is no SIM inserted in the device, it is inserted incorrectly, or the SIM is deactivated. Try the following:

- 1) Remove your SIM and reinsert it. Make sure not to touch the contact points when doing so.
- 2) Contact Alcatel for advice.

What should I do if PIN Lock or PUK Lock is displayed on the screen of the device connected to Cat7 Router?

This means the SIM is locked.

Log in to the Home page (refer to How can I access the Home page) and enter your PIN code or PUK code. You can obtain these by contacting your network provider

Note: If the incorrect PIN is entered 3 times you will be required to enter the PUK code. If you the incorrect PUK code is entered 10 times the SIM will be locked.

How can I connect to the 4G network?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings -> Setup -> Network selection.
- 3) Select 4G only.

How can I disconnect from the 3G / 4G network?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Status.
- 3) Select Internet,
- 4) Click Disconnect.

How can I set a new PIN for my SIM?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings.
- 3) Select Security.
- 4) Select SIM PIN Management.
- 5) Enable SIM PIN status
- 6) Enter new SIM PIN.
- 7) Click Apply.

Where can I find more information about WiFi setup?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings.
- 3) Select WiFi.

How can I check usage data?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Status.
- 3) Select Statistics.
- 4) Select internet.

How can I manually search for the network?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings.
- 3) Select Setup.
- 4) Select Network selection.
- 5) Select Manual from the network search mode.
- 6) Click Apply.

How can I check my device's model number and firmware version?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Device.
- 3) Select Device info.

How can I set the data connection to connect to the internet automatically?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings.
- 3) Select Setup.
- 4) Select Data connection.
- 5) Select Auto
- 6) Click Apply.

How do I change the SSID and WiFi key?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Settings.
- 3) Select WiFi.
- 4) Select Basic.

How can I change the login password?

- 1) Log in to the Home page (refer to How can I access the Home page).
- 2) Select Device.
- 3) Select Device Management.

- 4) Select Login Password.

How can I control internet access time?

- 1) Select Settings.
- 2) Select Advanced settings.
- 3) Select Parental control.