



GLOBAL TELECOM
WE ENGINEER CONNECTIVITY

Quick Start Guide

TITAN 5400 5G Outdoor CPE





FCC Radiation Exposure Statement:

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 & your body.

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



OVERVIEW

The TITAN 5400 is highly innovative and patented 4G/5G NR outdoor CPE product designed to enable quick and easy 5G fixed data service deployment for residential and SOHO customers. It provides high speed LAN services to end users who need both bandwidth and multi-media data service in enterprise or home. It can also be used to support wireless fall back service.



USER INTERFACE SPECIFICATION

Model	Description & User Interface
TITAN5400	<ul style="list-style-type: none">• 1 RJ45 10/100/1000/2500M LAN port• PWR, SYS, NET, SIM, ETH, RF (5 Signal intensity LEDs)• PoE DC 48V, Power < 18 Watts (Average)• Dimensions: 330 mm (L) x 200 mm (W) x 88 mm (D)• Weight: <5Kg• Operating Temperature: -40°C to 65°C• Storage Temperature: -40°C to 85°C



PACKING LIST AND CPE UNIT

Upon receiving the product, unpack the product packaging carefully. Each product is shipped with the following items:

Products	Quantity
CPE Unit	1
Clamps	2
Mounting Brackets	1
ETH Cable 2.0M	1
PoE Adapter	1
Power Cord 1.5M	1
Quick User Guide	1

If any items are missing, please contact your local distributor immediately.

INSTALLING THE EQUIPMENT



Open the SIM card cover, insert the SIM card and connect the ETH cable.

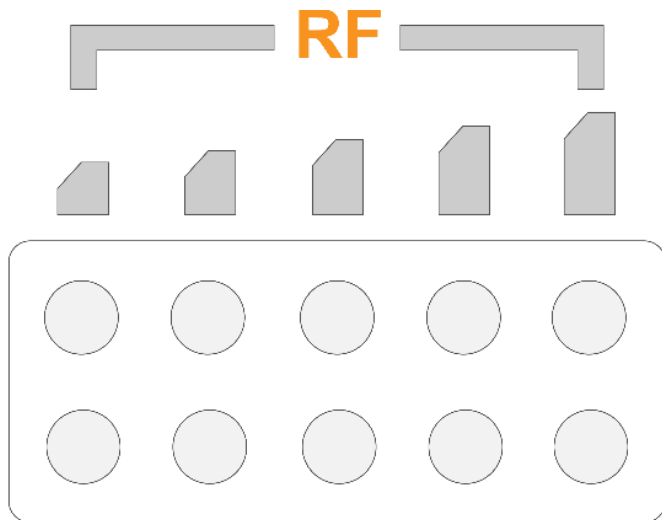


The user should use SFTP CAT5E Ethernet cable and connect to the appropriate LAN port.

Clamp Poll Mounting Option



LED DISPLAY



PWR SYS NET SIM ETH

LED	Function	Description
PWR	Power indicator	Light is on – Device is power on.
SYS	System run indicator	Blinking Green – Device is booting. Solid green – Device is in normal operation.
NET	WAN port status	OFF – NO wireless network access. Blinking Green – 3G link is up and operational Solid Green –LTE/5G link is up and operational
SIM	SIM card indicator	Light is on – SIM card state is ready, Blinking Green – SIM card is error.
ETH	LAN port status	Solid Green – LAN port is up. Blinking Green –LAN port in working.
RF (5LEDs)	RF Signal Strength	5 level signal strengths indication by 5 green LEDs. 1st Green LED: $-115\text{dBm} < \text{RSRP}$ 2nd Green LED: $-115\text{dBm} \leq \text{RSRP} < -105\text{dBm}$ 3rd Green LED: $-105\text{dBm} \leq \text{RSRP} < -95\text{dBm}$ 4th Green LED: $-95\text{dBm} \leq \text{RSRP} < -85\text{dBm}$ 5th Green LED: $-85 \leq \text{RSRP}$

WEB LOGIN

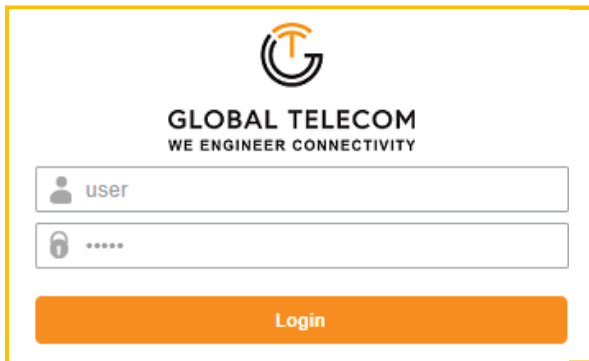
It is recommended that you log in to the device by using a web browser from a PC that is connected to the device's LAN port.

To log in, open a web browser and type: <http://192.168.0.1> in the address bar. A window will pop-up requesting a password.

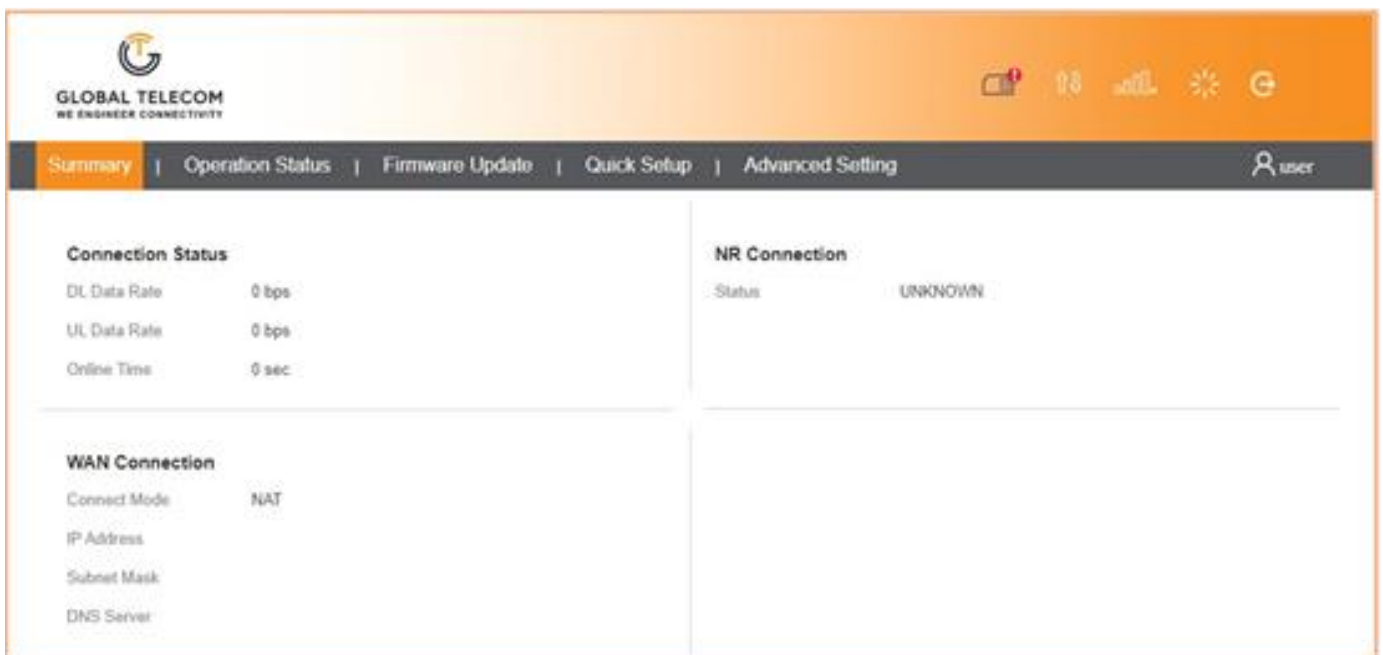
Input the user login password and then click the "Login" button. After successfully logging in, the default home page will appear.



The default username is "**user**" and default password is "**admin**".



The screenshot shows the login interface for Global Telecom. At the top is the logo and the text "GLOBAL TELECOM WE ENGINEER CONNECTIVITY". Below this are two input fields: the first contains the text "user" and has a person icon on the left; the second contains six dots and has a lock icon on the left. At the bottom of the form is an orange button labeled "Login".

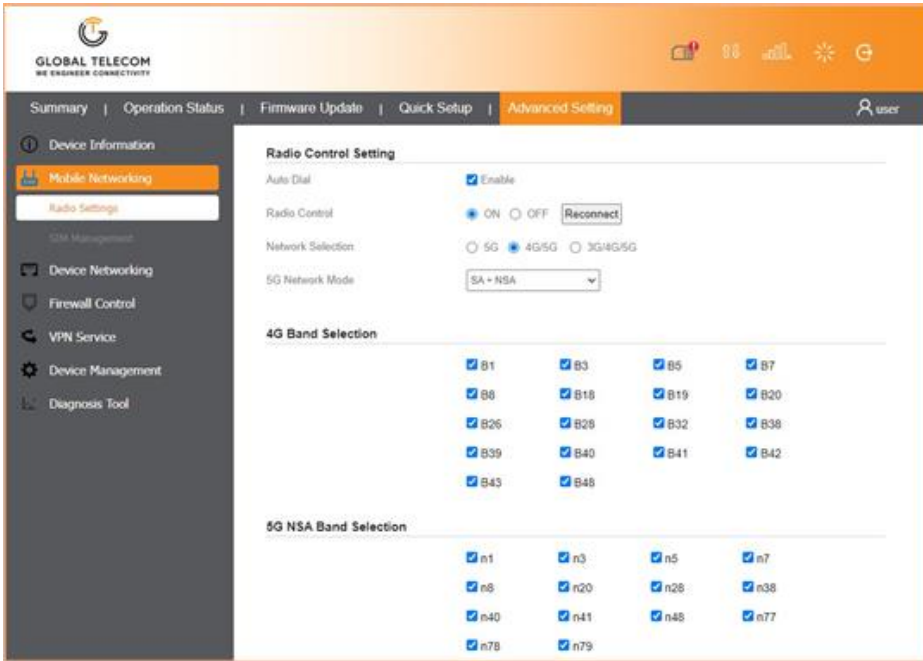


The screenshot shows the main dashboard of the device. At the top left is the logo and text "GLOBAL TELECOM WE ENGINEER CONNECTIVITY". On the top right are several status icons. Below the header is a navigation bar with tabs: "Summary" (selected), "Operation Status", "Firmware Update", "Quick Setup", and "Advanced Setting". On the far right of the navigation bar is a user profile icon labeled "user". The main content area is divided into four quadrants. The top-left quadrant is titled "Connection Status" and shows "DL Data Rate 0 bps", "UL Data Rate 0 bps", and "Online Time 0 sec". The top-right quadrant is titled "NR Connection" and shows "Status UNKNOWN". The bottom-left quadrant is titled "WAN Connection" and shows "Connect Mode NAT", "IP Address", "Subnet Mask", and "DNS Server". The bottom-right quadrant is empty.

SYSTEM CONFIGURATION

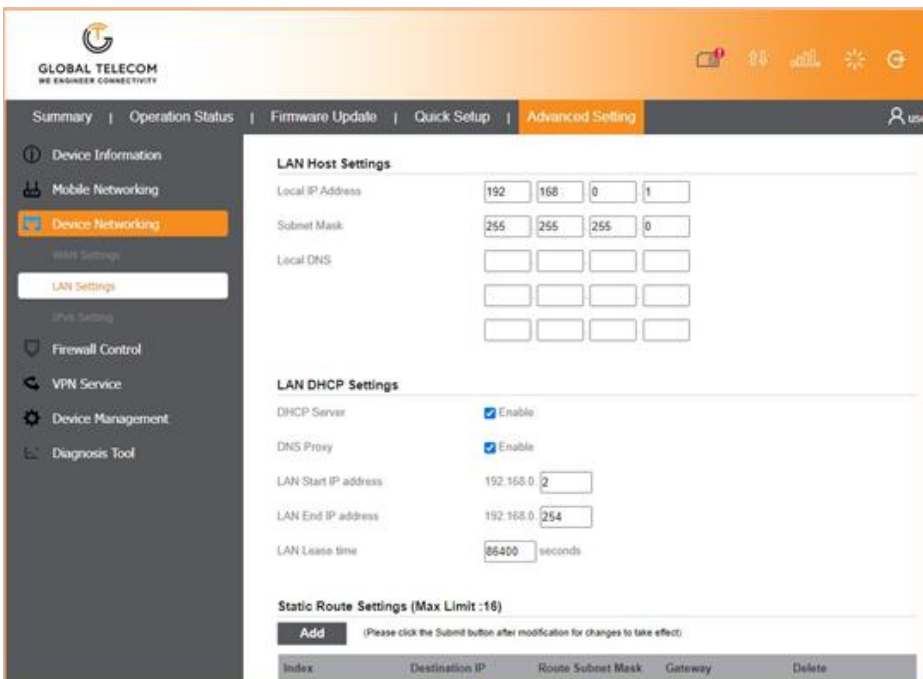
Radio Settings

The Wireless radio can be enabled or disabled via wireless radio setting. The radio can also be reconnected by clicking the Reconnect button.



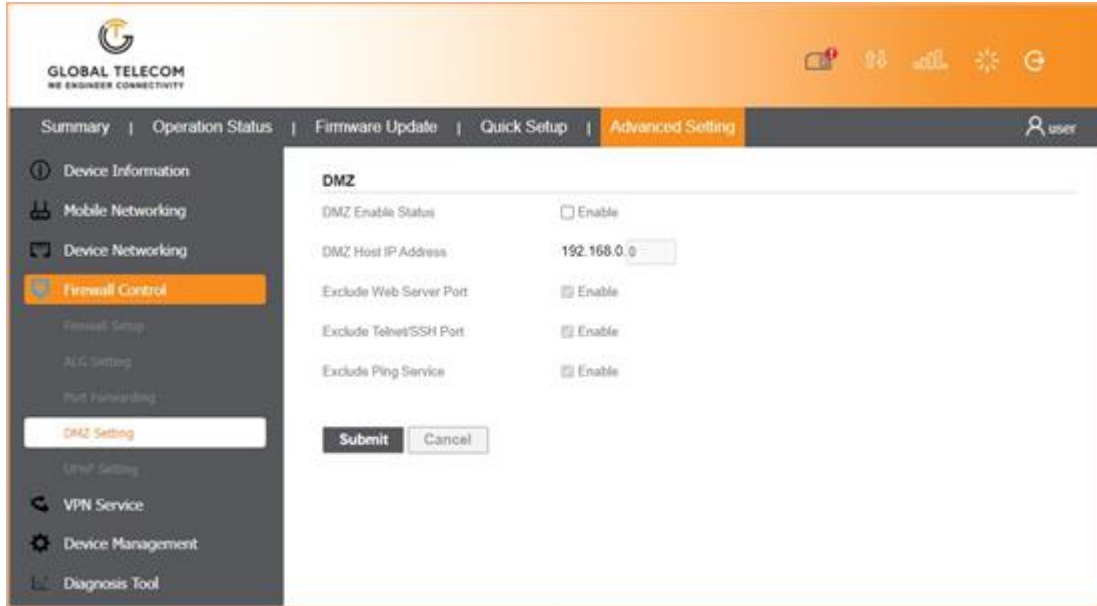
LAN Setting

The LAN setting allows users to specify the device LAP IP, DHCP server setting, Local DNS etc. When Router mode is selected, DHCP server should be enabled by default. Users are advised to leave the default setting unchanged for quick configuration and smooth device operation.



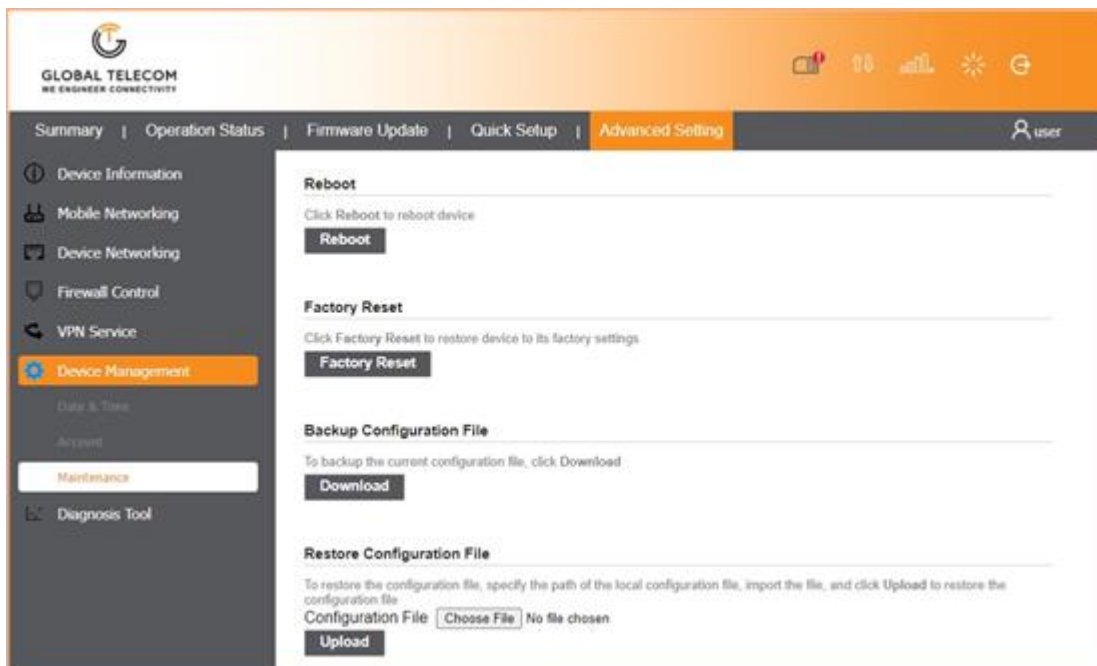
DMZ

This menu allows users to configure the DMZ setting for the CPE in router mode. Web server, Telnet/SSH and Ping Service port can be exempted from DMZ mapping if required. Enabling the DMZ option will make the specified local LAN host (DMZ IP) exposed to the Internet.



MAINTENANCE

This page allows users to update the device firmware version, reset the device to factory setting, and reboot the device.



TROUBLESHOOTING

Q1: My PC cannot connect to the CPE.

- Check the PoE adapter LED is on and the CPE & PC ETH cables are securely connected. The CPE LED should work as described.
- Check the PC NIC driver is properly installed and configured.

Q2: My CPE networking is not working properly.

- Check and make sure you are within the mobile network coverage area and the unit is attached to the network.
- Please also check the SIM card validity.

Q3: Unable to connect internet while the device is already connected to mobile network.

- Check and verify your computer has proper NIC interface configured (DHCP or static IP). Unplug the PC ETH cable and reconnect again if required.
- If necessary, you may reboot the CPE by power off/on the CPE unit.