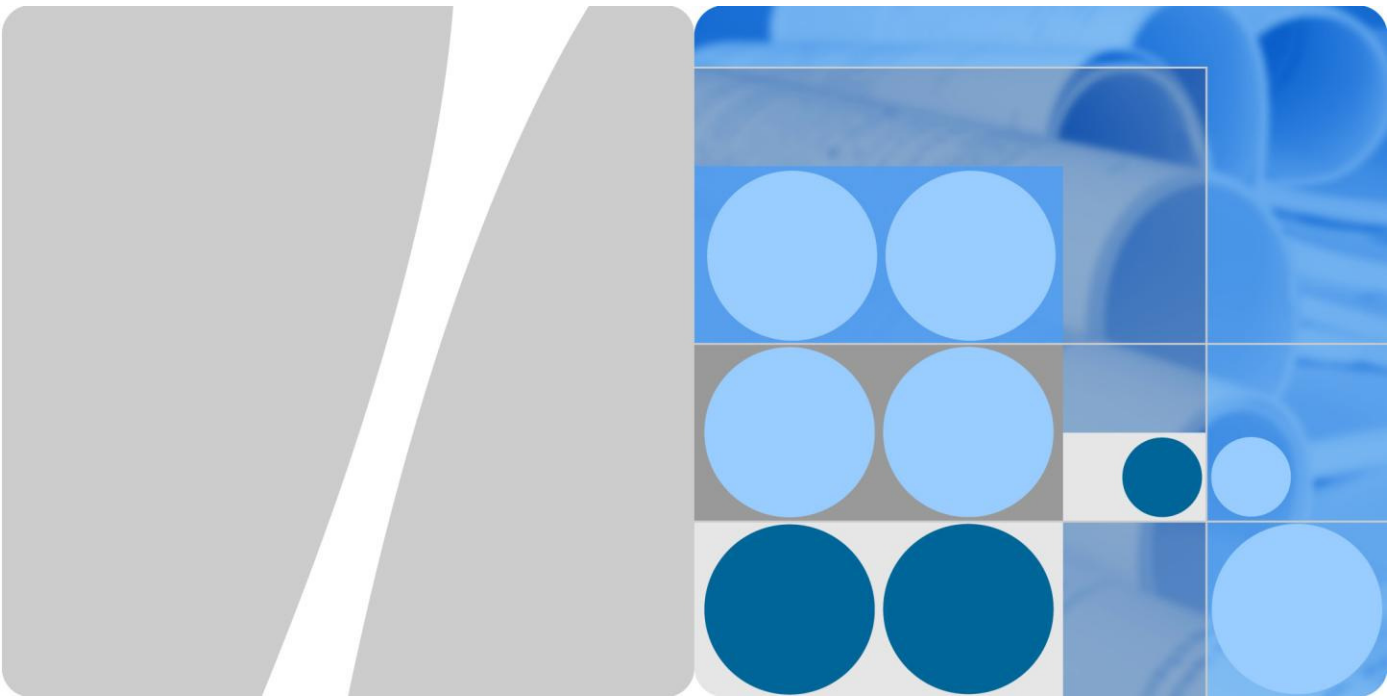


LTE CPE B5338-168

V100R001C00

Quick Start Guide

Issue 01

Date 2016-10-14

HUAWEI TECHNOLOGIES CO., LTD.

Copyright © Huawei Technologies Co., Ltd. 2016. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks and Permissions

and other Huawei trademarks are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between Huawei and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: http://www.huawei.com

Email: support@huawei.com

About This Document

Change History

Changes between document issues are cumulative.

The latest document issue contains all the changes made in earlier issues.

Issue 01 (2017-01-20)

This issue is the first release.

Copyright © Huawei Technologies Co., Ltd.

Contents

About This Document ii

Contents iii

1 What You Need 1

2 IDU Panel 2

3 Installation 6

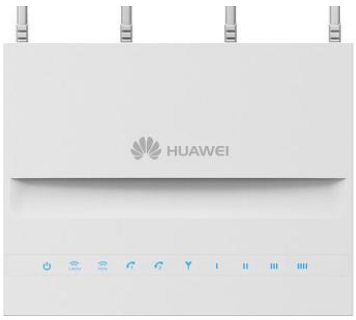
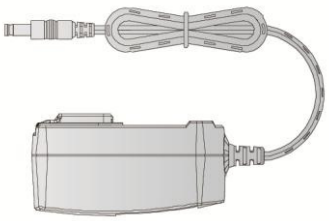
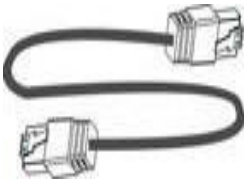
4 Connect to the Internet 8

5 Europe - EU Declaration of Conformity 13

6 Federal Communication Commission Interference Statement 16

Copyright © Huawei Technologies Co., Ltd.

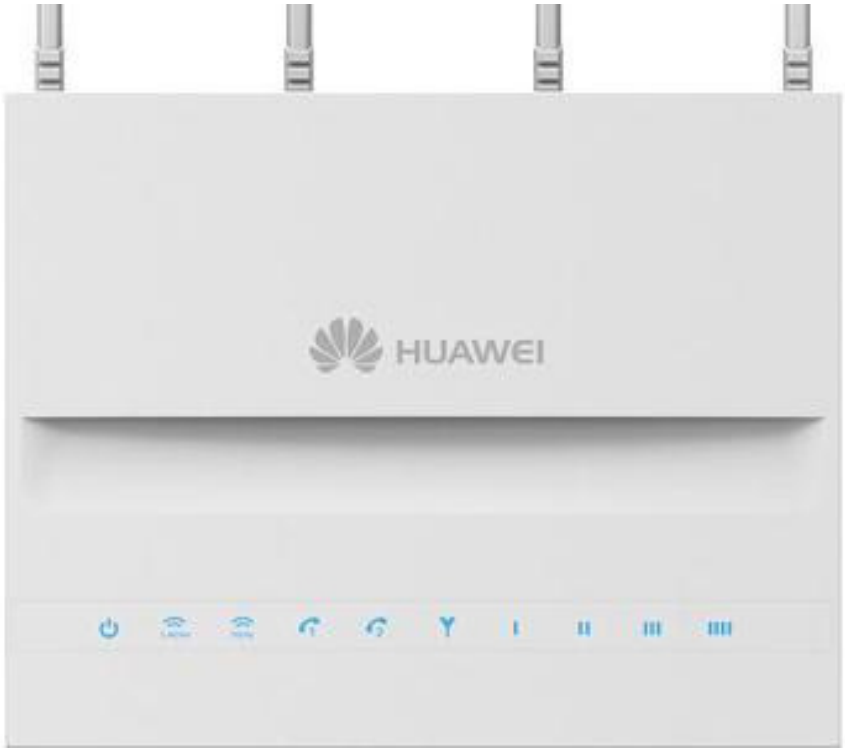
1 What You Need

LTE IDU Device	Quick Start Guide	Power Adapter
		
One RJ-45 cable for connecting IDU and computer	TDD antenna*4	
		

Copyright © Huawei Technologies Co., Ltd.

2 IDU Panel

2.1 IDU Front Panel



IDU LED Indicators as following:

ALL LEDs											
LED name	Power	2.4G W	5G W	VoIP1	VoIP2	SINR_1	SIM_issue	SINR_2	SINR_3	SINR_4	SINR_5
LED list	●	●	●	●	●	●	●	●	●	●	●

Copyright © Huawei Technologies Co., Ltd.

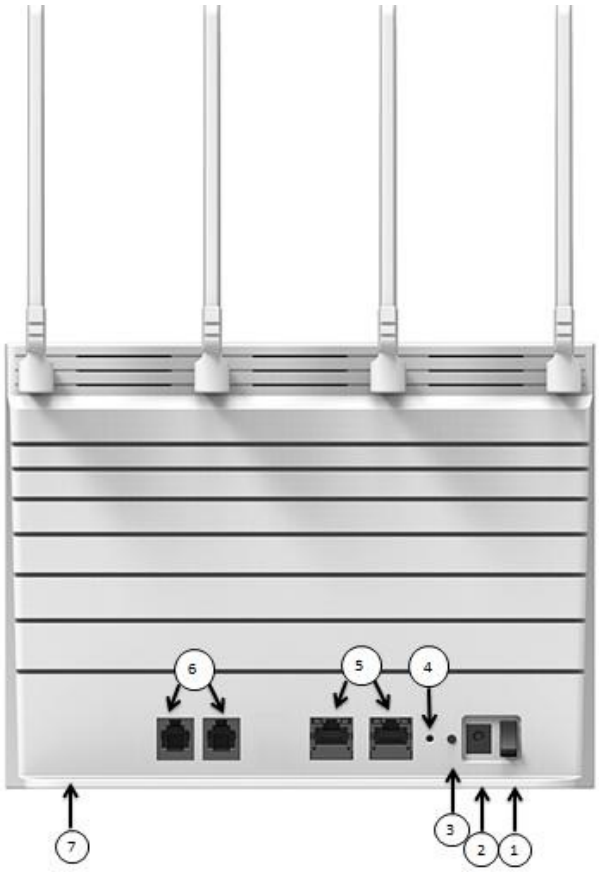
LED		Color	LED Behavior	Status Indication
10 LEDs List Left to Right from Front				
Power Status		**Blue**	**Steady ON**	Device On (AC plug in)
		Blue	**OFF**	Device Off (AC not plug in or device damaged)
Wi-Fi_2.4G		**Blue**	**Steady ON**	2.4GHz Wi-Fi On
		Blue	**Blanking**	2.4GHz Data
		Blue	**OFF**	2.4GHz Wi-Fi Off
Wi-Fi_5G		**Blue**	**Steady ON**	5GHz Wi-Fi On
		Blue	**Blanking**	5GHz Data
		Blue	**OFF**	5GHz Wi-Fi Off
VoIP_1		**Blue**	**Steady ON**	SIP register
		Blue	**Blanking**	busy
		Blue	**OFF**	SIP not register
VoIP_2		**Blue**	**Steady ON**	SIP register
		Blue	**Blanking**	busy
		Blue	**OFF**	SIP not register
Signal Strength / SIM		**Blue**	**Steady ON**	SINR < 0dB
		Blue	**Chasing light**	Searching
		Blue	**Blanking**	Registering
		Blue	**OFF**	No Signal
		Orange Red	**Steady ON**	SIM issue; no sim / sim broken
		Orange Red	**Blinking**	PUK / PIN Code

Copyright © Huawei Technologies Co., Ltd.

		Orange Red	**OFF**	SIM is detected and working properly
LTE Status LED : SINR Status			When CPE connect to BS, the 5 LED became Signal Quality indication according to SINR or other pre-defined quality indicator	
LTE 1+2+3+4+5	●○○○○	**Blue**	**Steady ON**	SINR < 0dB
	●●○○○	**Blue**	**Steady ON**	0dB ≤ SINR < 4dB
	●●●○○	**Blue**	**Steady ON**	4dB ≤ SINR < 9dB
	●●●●○	**Blue**	**Steady ON**	9dB ≤ SINR < 16dB
	●●●●●	**Blue**	**Steady ON**	16dB ≤ SINR

Copyright © Huawei Technologies Co., Ltd.

2.2 IDU Rear Panel



1. Power switch: Power on or Power Off.
2. Power Adapter Socket(DC-12V):Plug adapter DC pin into this socket
3. WPS Button: Press “WPS” button, router can easily connectors to WiFi client which also support WPS function.
4. Reset Button: Press “Reset” button less than 5 seconds to reboot the device. Or press and hold the Reset button 10 seconds to set router to factory default settings.

LED name	Color	LED Behavior	Status Indication
Reset	Blue	Blinking	Except for Power LED is always on

5. LAN Port (RJ45): Port for connecting PC, hub and switch or other network equipment by RJ-45 Ethernet cable.
6. Telephone Port(RJ-11):Connector your telephone to Indoor CPE with a RJ-11 telephone cable
7. SIM card Slot Cover: Open the cover and insert SIM card into the slot with right direction.

Copyright © Huawei Technologies Co., Ltd.

3 Installation

Before installing the IDU, please verify that you have all the items listed in 1 What You Need. If any of the items is missing or damaged, please contact your LTE service provider.

1. Connector the device LAN port to your PC with a RJ-45 Ethernet cable which is supplied.

Copyright © Huawei Technologies Co., Ltd.

2. Insert SIM card into device with right direction.
3. Insert the power cord into the LTE Indoor CPE's DC-12V Power Jack: and insert the plug into power outlet
4. Switch ON the power. The device will start the booting process. After a few seconds, the LED lights will start blinking

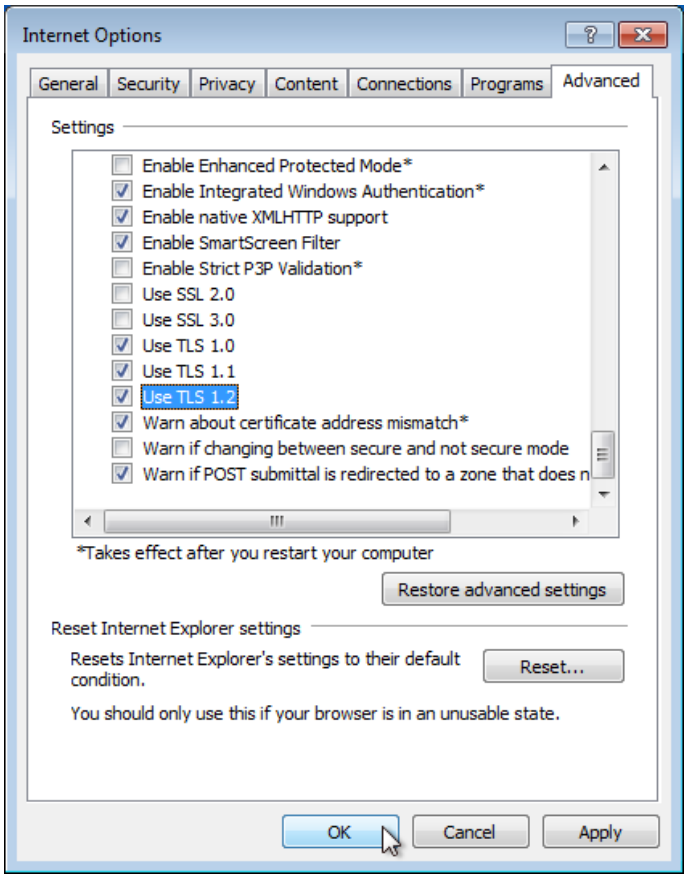
Copyright © Huawei Technologies Co., Ltd.

4 Connect to the Internet

4.1. Login in the web GUI.

Step 1 Make sure the physical connection is OK

Step 2 PC will get default IP **192.168.1.x** (x: 2-254). Open a web browser and go to **https://192.168.1.1**. If your web browser is IE8.0/IE9.0, or 10.0, please choose “use TLS1.2” from the IE-> “internet options” before log in.



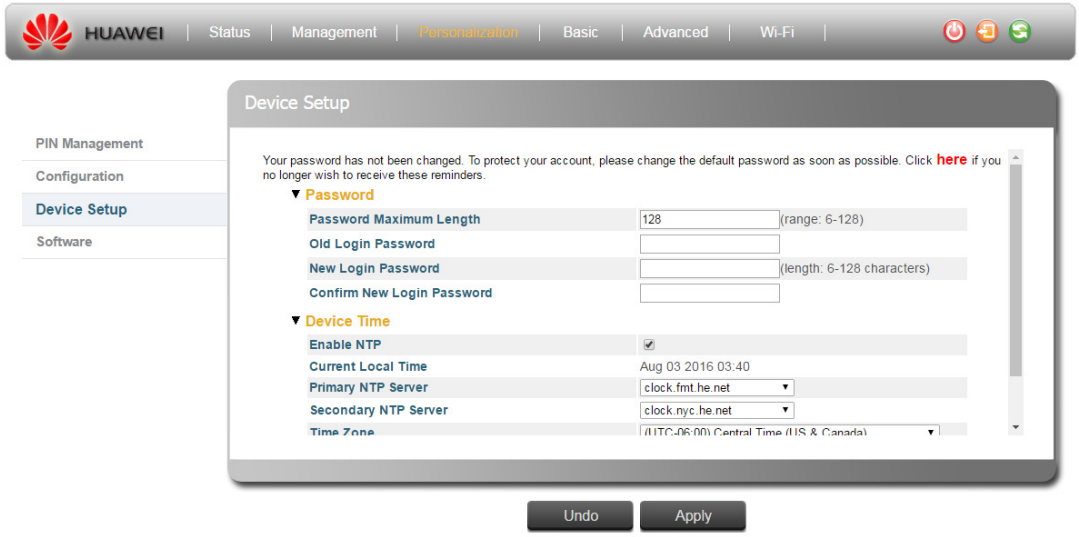
Step 3 Enter the default **Username** (user) and **Password** (Enduser), and then click **Login**.

Copyright © Huawei Technologies Co., Ltd.

	For your internet security, we recommend you to change the “default Wi-Fi password” while the first time log-in. Please go Management>Setup Wizard or Wi-Fi > Basic to change the Wi-Fi password. Try to enter a new password, retype it to confirm, and click Apply. Alternatively click Undo to proceed to the main menu if you do not want to change the password.

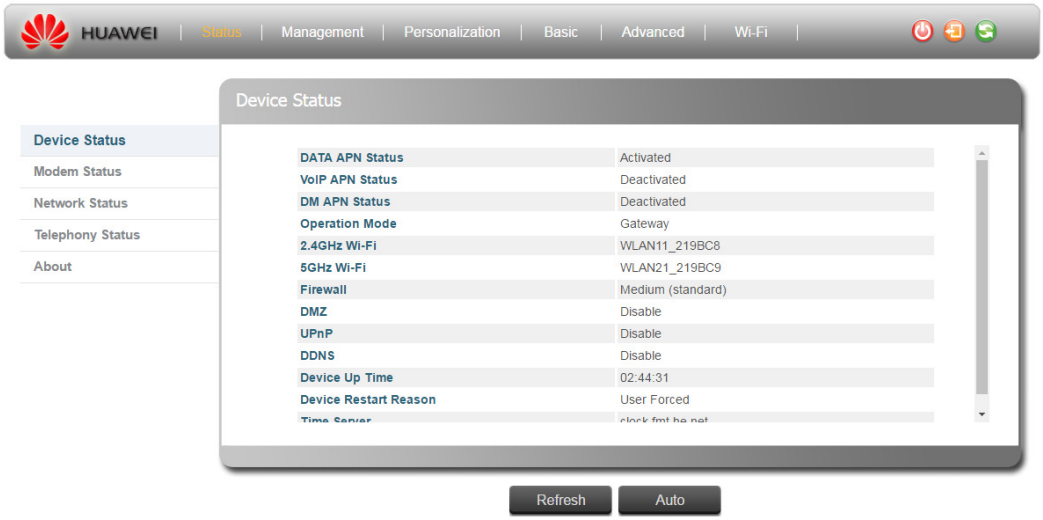
4.2. Operation in the web GUI.

1. Chang Password



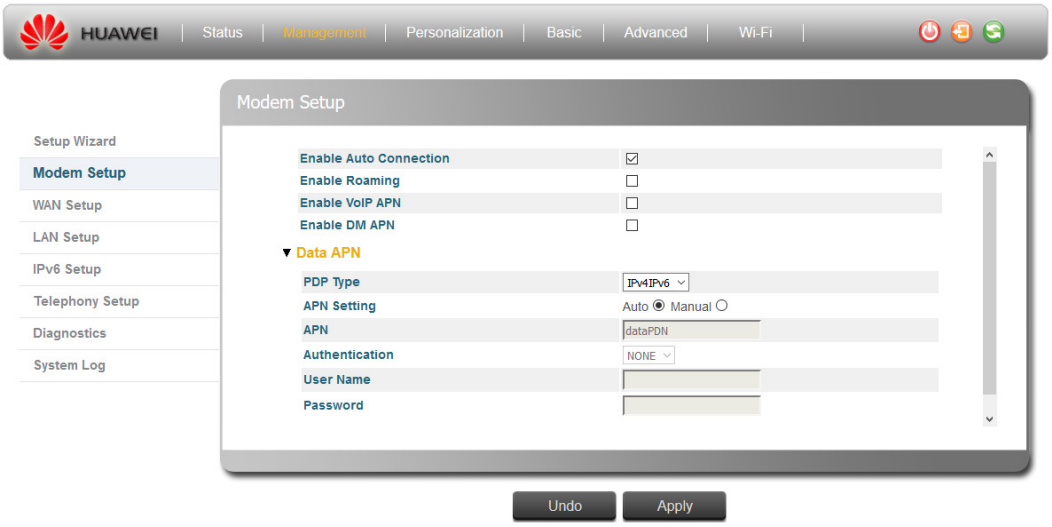
2. Status Page

Copyright © Huawei Technologies Co., Ltd.



3. Setting for APN

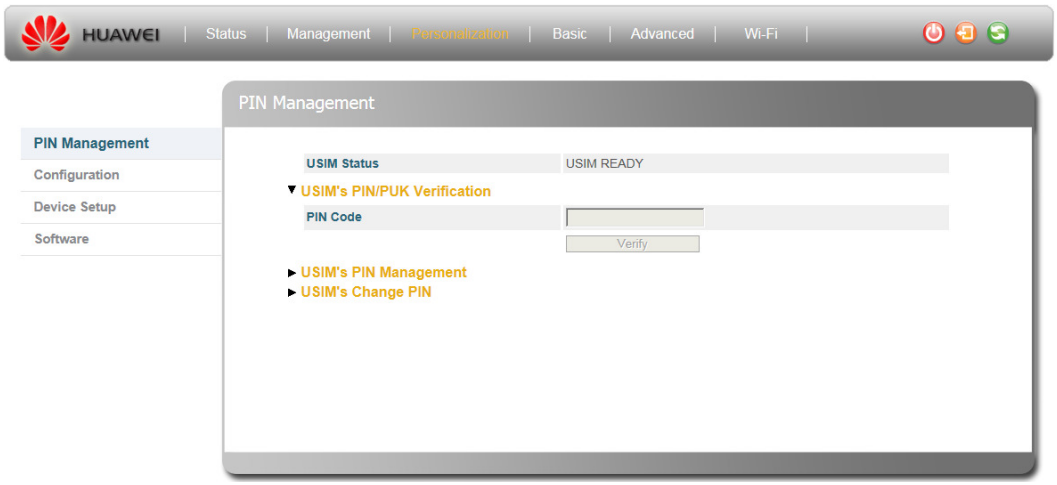
If the **LTE SIGNAL STRENGTH** light keeps BLINKING, which means the LTE connection is fail, please try to manually configure the Internet connection. Click **Management** > **Modem Setup**. If the APN (Access Point Name) is not the same as what you were given, click the **Manual** icon, after revising the APN what you want, apply it.



4. Setting for PIN

If a PIN code is required, click **Personalization** > **PIN Management** > **USIM's PIN/PUK Verification**. Enter it and then click **Verify**.

Copyright © Huawei Technologies Co., Ltd.

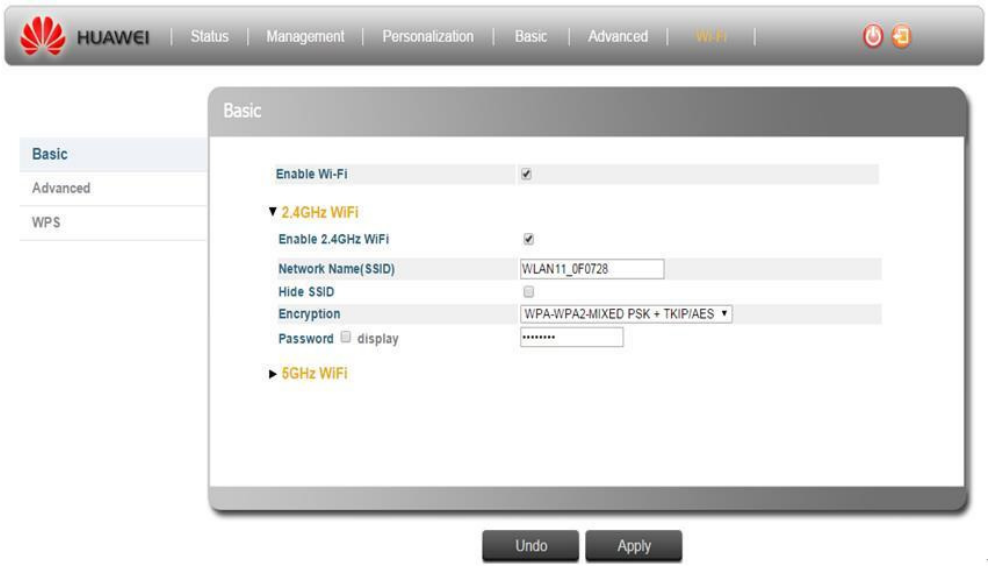


After LTE SIGNAL STRENGTH is steady on, you can start to browse the website. For more information, go to **Status > Help** page to **check the details**.

4.3. WIFI Setting.

1. Turn the Wireless On or Off.

   You can go to **Wi-Fi > Basic** in the Web GUI, select **Enable Wi-Fi**, and configure wireless settings and then click **Apply**. Go to Status > Help page for more information.



2. Activate WPS

   You can set up a wireless network with WPS (WiFi Protected Setup) or manually add a client to your wireless network. Activating WPS helps you quickly set up a wireless network with strong security.

   Using the physical WPS button:

   b) Make sure the Power LED is on (not blinking).

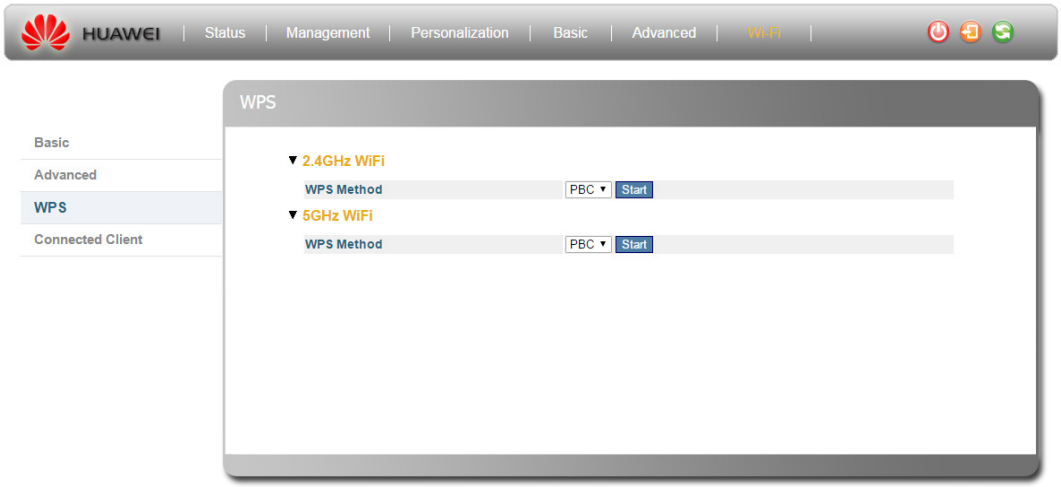
   c) Press the WPS button more than one second and release it. The WPS LED would flash while the LTE Device sets up a WPS connection with the wireless device.

Copyright © Huawei Technologies Co., Ltd.

Using **the WPS Button in the Web Configuration:**

a) Click WiFi > WPS

b) Choose the PBC or PIN and click Start.



Copyright © Huawei Technologies Co., Ltd.

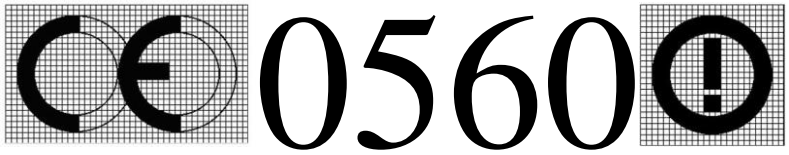
5 Europe - EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC.

- EN 301 908-1 V7.1.1
- EN 301 908-13 V6.2.1
- EN 300 328 V1.9.1
- EN 301 893 V1.8.1
- EN 62311:2008, EN50385:2002
- EN 301 489-1 V1.9.2
- EN 301 489-17 V2.2.1
- EN 301 489-24 V1.5.1
- EN 55032: 2012/AC:2013
- EN 55024:2010
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

The minimum distance between the user and/or any bystander and the radiating structure of the transmitter is 20 cm.

In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services.



cs Česky [Czech]	*[Jméno výrobce]* tímto prohlašuje, že tento *[typ zařízení]* je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Copyright © Huawei Technologies Co., Ltd.

da Dansk [Danish]	Undertegnede *[fabrikantens navn]* erklærer herved, at følgende udstyr *[udstyrets typebetegnelse]* overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
de Deutsch [German]	Hiermit erklärt *[Name des Herstellers]*, dass sich das Gerät *[Gerätetyp]* in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
et Eesti [Estonian]	Käesolevaga kinnitab *[tootja nimi = name of manufacturer]* seadme *[seadme tüüp = type of equipment]* vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, *[Gemtek]*, declares that this *[*WiMAX/LTE CPE*]* is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
es Español [Spanish]	Por medio de la presente *[nombre del fabricante]* declara que el *[clase de equipo]* cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ *[name of manufacturer]* ΔΗΛΩΝΕΙ ΟΤΙ *[type of equipment]* ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
fr Français [French]	Par la présente *[nom du fabricant]* déclare que l'appareil *[type d'appareil]* est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
it Italiano [Italian]	Con la presente *[nome del costruttore]* dichiara che questo *[tipo di apparecchio]* è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
lv Latviski [Latvian]	Ar šo *[name of manufacturer / izgatavotāja nosaukums]* deklarē, ka *[type of equipment / iekārtas tips]* atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
lt Lietuvių [Lithuanian]	Šiuo *[manufacturer name]* deklaruoja, kad šis *[equipment type]* atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart *[naam van de fabrikant]* dat het toestel *[type van toestel]* in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
mt Malti [Maltese]	Hawnhekk, *[isem tal-manifattur]*, jiddikjara li dan *[il-mudel tal-prodott]* jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
hu Magyar	Alulírott, *[gyártó neve]* nyilatkozom, hogy a *[... típus]* megfelel a vonatkozó

Copyright © Huawei Technologies Co., Ltd.

[Hungarian]	alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
pl Polski [Polish]	Niniejszym *[nazwa producenta]* oświadcza, że *[nazwa wyrobu]* jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
pt Português [Portuguese]	*[Nome do fabricante]* declara que este *[tipo de equipamento]* está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
sl Slovensko [Slovenian]	*[Ime proizvajalca]* izjavlja, da je ta *[tip opreme]* v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
sk Slovensky [Slovak]	*[Meno výrobcu]* týmto vyhlasuje, že *[typ zariadenia]* spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
fi Suomi [Finnish]	*[Valmistaja = manufacturer]* vakuuttaa täten että *[type of equipment = laitteen tyyppimerkintä]* tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Copyright © Huawei Technologies Co., Ltd.

6 Federal Communication Commission Interference Statement

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 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 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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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 **20** cm between the radiator & your body.

Copyright © Huawei Technologies Co., Ltd.

Copyright © Huawei Technologies Co., Ltd.