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AT&T register issue & APN Settings

If you cannot register the AT&T SIM card, please check you APN and change the APN setting and try again.

How to get your APN

Different types of SIM cards may have different APN settings, so you can check with your local operator for the correct APN settings.

Auto Setup failed

Auto Setup will try all the possible methods to build a connection. In case Auto Setup fails to connect, please try manually setting and selecting the appropriate connection protocol.

● CHN-UNICOM

Modem Name

EC25EFAR06A03M4G

IMEI



Abort

Manual Setup

AT Command

Modem Reset

Cells Info

Use the QMI protocol

Select device as **/dev/cdc-wdmX** and fill in the correct [APN](#).

● CHN-UNICOM

Device

/dev/cdc-wdm0

APN

cmnet

More

Cancel

Apply

AT Command

Modem Reset

Cells Info

Use PPPD dial

Select device as **/dev/ttyUSBX** and fill in the correct [APN](#). X is a number, and in general, select the port with the largest value.

For **MIFI,E750,X750,X300B**, select **ttyUSB3**.

For **XE300** and **AP1300**, select **ttyUSB4**.

● CHN-UNICOM

Device

/dev/ttyUSB3

Service

LTE/UMTS/GPRS

APN

cmnet

More

Cancel

Apply

AT Command

Modem Reset

Cells Info

Use the QCM protocol

QCM protocol is supported in versions after 3.200. Please select device as **/dev/cdc-wdmX**, fill in the correct [\[APN\]](#) settings, and then click More to select protocol as QCM

● CHN-UNICOM

Device

/dev/cdc-wdm0

▼

APN

cmnet

▼

Auth

NONE

▼

Proto

qcm

▼

TTL

Dial number

User Name

Password

👁

Cancel

Apply

AT&T Puerto Rico APN Settings for Android

AT&T Puerto Rico and United States Virgin Islands 4G LTE 3G Internet MMS APN Settings for Android Samsung Galaxy S8 S7 S6 Note Tab HTC iPhone 7Plus 7S 6S 5S 4S iPad Blackberry Windows Phone

In your Android Smart Phone **Go to – Settings -> More -> Cellular/Mobile Network -> Access point Names -> + (to add)**

Name	AT&T Puerto Rico
APN	phone
Proxy	Not set
Port	Not set
Username	Not set
Password	Not set
Server	Not set
MMSC	http://mmsc.mobile.att.net
MMS Proxy	proxy.mobile.att.net
MMS Port	80
MCC	(Keep default)
MNC	(Keep default)
Authentication type	Not set
APN Type	default,supl,mms
APN Protocol	IPv4
APN roaming protocol	
APN enable/disable	☒
Bearer	
MVNO type	
MVNO value	

Name : AT&T Puerto Rico
APN : **pta (or) phone**
Proxy : Not Set
Port : Not Set
Username : Not Set
Password : Not Set
Server : Not Set
MMSC : <http://mmsc.mobile.att.net>
MMS Proxy : proxy.mobile.att.net
MMS Port : 80
MCC : 310
MNC : 280
Authentication Type : Not Set
APN type : **default,supl,mms**
APN protocol: Ipv4
APN roaming protocol: Ipv4
Enable/disable APN: APN Enabled
Bearer: Unspecified
MVNO type : None
MVNO Value : Not set

AT&T Puerto Rico APN Settings for iPhone

In your Apple iPhone go to **Settings -> Cellular -> Cellular Data Network -> APN** and enter the following details

Cellular Data:

APN: **pta (or) phone**

Username: Blank

Password: Blank

LTE Setup(Optional):

APN: Blank

Username: Blank

Password: Blank

MMS:

APN : **pta (or) phone**

Username: blank

Password: blank

MMSC: <http://mmsc.mobile.att.net>

MMS Proxy: proxy.mobile.att.net:80

MMS Message Size: 1048576

MMS UA Prof URL: blank

AT&T Puerto Rico Blackberry APN

Internet APN:

Tap **Settings -> Network Connections -> Mobile Network ->APN**

Access Point Name (APN) : **pta (or) phone**

Username : Blank

Password : Blank

Windows Phone

In your Windows Phone Go to **Settings -> Network & Wireless -> Cellular & SIM Settings -> Add Internet APN**

INTERNET APN

Profile Name:

APN: **pta (or) phone**

User name: Blank

Password: Blank

Type of Sing-in-info : None

IP Type :Ipv4

Proxy server (URL): Blank

Proxy Port : Blank

WiFi Dongle Settings

Profile Name : Internet

APN: **pta (or) phone**

Access number: *99#

User name: Blank

Password: Blank

General SIM card issues

Q1: SIM card not detected

The SIM card does not support hot plug and play. Make sure that you have inserted the SIM card before powering the 4G router on.

This prompt indicates that there is a problem with the contact between SIM card and card slot. You can try the following methods:

1. If you inserted the SIM card after the router is powered on, reboot the 4G router or perform a "Modem Reset" from the Router's UI.
2. Check that you have inserted the SIM card in the correct direction.
3. Add a piece of paper to the non-contact surface of SIM card inside of the SIM slot so that the SIM card is contacting well inside the slot.
4. Try another SIM card.
5. Check whether the SIM card slot is damaged and contact customer service through the purchase platform.

Q2: SIM card not registered

1. Enter the AT instruction page and execute the command **AT+QPRTPARA=3**

Modem Name	EC25AFAR05A04M4G
IMEI	861107033662322

[Auto Setup](#) [Manual Setup](#)

[AT Command](#) [Modem Reset](#)

● AT Command

Shortcut	Manual command ▾
AT Command	AT+QPRTPARA=3
Port	/dev/ttyUSB2 ▾

Wait for about 30 seconds to check whether the device is registered with the network.

1. Some SIM cards need to fill in the correct APN to register the network. In this case, please ignore the prompt information on the page, enter the manual setting page and fill in the correct APN, and click apply.
2. Some SIM cards needs to fill a correct PIN code to register the network. In this case, please choose set up manually, choose ttyUSB3 and input your pin code. Please note: QMI mode does not work with a PIN code.

How to get your APN

Different types of SIM cards may have different APN settings, so you can check with your local operator for the correct APN settings.

Q3: Auto Setup failed

Auto Setup will try all the possible methods to build a connection. In case Auto Setup fails to connect, please try manually setting and selecting the appropriate connection protocol.

● CHN-UNICOM

Modem Name

EC25EFAR06A03M4G

IMEI

869105040000000

Abort

Manual Setup

AT Command

Modem Reset

Cells Info

Use the QMI protocol

Select device as **/dev/cdc-wdmX** and fill in the correct [APN](#).

● CHN-UNICOM

Device

/dev/cdc-wdm0

APN

cmnet

More

Cancel

Apply

AT Command

Modem Reset

Cells Info

Use PPPD dial

Select device as **/dev/ttyUSBX** and fill in the correct [APN](#). X is a number, and in general, select the port with the largest value.

For **MIFI,E750,X750,X300B**, select **ttyUSB3**.

For **XE300** and **AP1300**, select **ttyUSB4**.

● CHN-UNICOM

Device	/dev/ttyUSB3	▼
Service	LTE/UMTS/GPRS	▼
APN	cmnet	▼
More		
Cancel Apply		

[AT Command](#) [Modem Reset](#) [Cells Info](#)

Use the QCM protocol

QCM protocol is supported in versions after 3.200. Please select device as **/dev/cdc-wdmX**, fill in the correct [\[APN\]](#) settings, and then click More to select protocol as QCM

● CHN-UNICOM

Device

/dev/cdc-wdm0

▼

APN

cmnet

▼

Auth

NONE

▼

Proto

qcm

▼

TTL

Dial number

User Name

Password

👁

Cancel

Apply

Q4: Data throughput is low

If you have successfully set up the 4G router but the data throughput is low, for example, when testing with speedtest.net, here is what you can try to dragonize the problem.

Please note: generally the 4G router cannot beat your smartphone in speed test. This is because the modern smartphone uses a different design which is equipped with much higher grade of modems. For example, Samsung S10 has a Cat 20 modem and iPhone 11 has a Cat 19 modem. They are 6 times faster in specs than a Cat 6 Quectel EP06 modem.

1. Try to use [QMI](#) or [QCM](#) protocol instead of using ttyUSB mode.
2. Ask your carrier to make sure the [APN](#)Settings are correct. Some carriers use different APNs which may yield different speed.

3. The signal may not be good. Click Cell Info to check the signal-related parameters, such as RSSI, RSRP, RSRQ, SINR, etc. Please refer to the [wiki](#) for parameter range determination. If the device's signal is poor, try moving the device to another location and check that the antenna is properly connected.

● CHN-UNICOM

Modem Name

EC25EFAR06A03M4G

IMEI

866758042866463

Auto Setup

Manual Setup

AT Command

Modem Reset

Cells Info

● Cells Info

0	servingcell	▼
type	servingcell	
state	NOCONN	
mode	FDD	
mcc	460	
mnc	01	
cellid	6ADA701	
pcid	379	
earfcn	450	
band	1	
ul_bandwidth	20M	
dl_bandwidth	20M	
tac	2545	
rsrp	-81	
rsrq	-5	
rsqi	-56	
sinr	26	
srxlev	42	
rat	LTE	

Bandwidth also affects the rate. For example, when routers were working on Band5, the band5 supported only 10M bandwidth at most, and routers acquired a lower rate.

In LTE mode, the bandwidth of each band is as follows, which is a parameter that 3GPP has already defined, so there is no way to change it.

Table 5.6.1-1: E-UTRA channel bandwidth

E-UTRA band / channel bandwidth						
E-UTRA Band	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz
1			Yes	Yes	Yes	Yes
2	Yes	Yes	Yes	Yes	Yes ^[1]	Yes ^[1]
3	Yes	Yes	Yes	Yes	Yes ^[1]	Yes ^[1]
4	Yes	Yes	Yes	Yes	Yes	Yes
5	Yes	Yes	Yes	Yes ^[1]		
6			Yes	Yes ^[1]		
7			Yes	Yes	Yes	Yes ^[1]
8	Yes	Yes	Yes	Yes ^[1]		
9			Yes	Yes	Yes ^[1]	Yes ^[1]
10			Yes	Yes	Yes	Yes
11			Yes	Yes ^[1]		
12	Yes	Yes	Yes ^[1]	Yes ^[1]		
13			Yes ^[1]	Yes ^[1]		
14			Yes ^[1]	Yes ^[1]		
...						
17			Yes ^[1]	Yes ^[1]		
18			Yes	Yes ^[1]	Yes ^[1]	
19			Yes	Yes ^[1]	Yes ^[1]	
20			Yes	Yes ^[1]	Yes ^[1]	Yes ^[1]
21			Yes	Yes ^[1]	Yes ^[1]	
...						
23	Yes	Yes	Yes	Yes		
24			Yes	Yes		
25	Yes	Yes	Yes	Yes	Yes ^[1]	Yes ^[1]
...						
33			Yes	Yes	Yes	Yes
34			Yes	Yes	Yes	
35	Yes	Yes	Yes	Yes	Yes	Yes
36	Yes	Yes	Yes	Yes	Yes	Yes
37			Yes	Yes	Yes	Yes
38			Yes	Yes	Yes	Yes
39			Yes	Yes	Yes	Yes
40			Yes	Yes	Yes	Yes
41			Yes	Yes	Yes	Yes
42			Yes	Yes	Yes	Yes
43			Yes	Yes	Yes	Yes
NOTE 1: bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (Clause 7.3) is allowed.						

Q5: EP06 cannot work at 4G+

Some customers may encounter the situation that the mobile phone can work in 4G+ mode, but the router using EP06 cannot work in 4G+ mode. This may be because the band support of EP06 is different from that of mobile phone.

For EP06-E, the following band combinations are supported

B1+B1/B5/B8/B20/B28;
B3+B3/B5/B7/B8/B20/B28;
B7+B5/B7/B8/B20/B28;
B20+B32^②;
B38+B38;
B40+B40;
B41+B41

For EP06-A, the following band combinations are supported

B2+B2/B5/B12/B13/B29^②;
B4+B4/B5/B12/B13/B29^②;
B7+B5/B7/B12/B26;
B25+B5/B12/B25/B26;
B30+B5/B12/B29^②;
B66+B5/B12/B13/B29^②/B66