BOIFUN

User Manual

PTZ Battery-powered Security Camera

HOW TO ACTIVATE
3 YEARS WARRANTY?

Send us Your Order Number via Email

3YEARS
WARRANTY

Email Address : admin@boifun.net

CONTENTS

ENGLISH

1. After-Sale Support

Dear friends,

Thank you very much for supporting BOIFUN!

Please read this manual thoroughly before using this wireless security camera. If you have any issues, please email your order number and the problem TO admin@boifun.net. Receiving your message, we will provide a fast solution in 24 hours.

Please do not worry. Actually, many problems can be easily solved by setting, such as **Networking Connection Fails**, **Motion Detection Delay**, **Solar Panel Charging**, **False Alarm**, **Battery Management** etc. We promise all the cameras have been carefully checked and packaged before shipping.

BTW, we offer the lifetime technical support for your camera, and are happy to provide all possible support for you. If you have any questions or ambiguities during using, please feel free to contact us. We will try to find a good solution with our professional camera engineers.
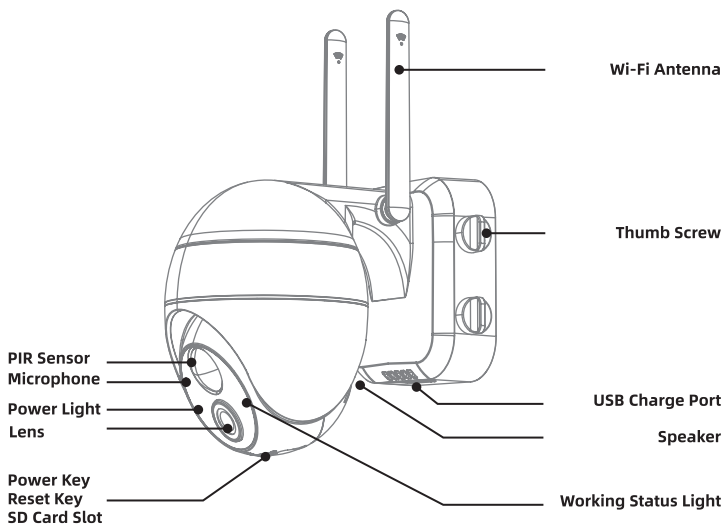
Warm Regards,
BOIFUN Service Team

View More Products

Note:
- The camera only supports 2.4GHz WiFi. It does not support 5GHz WIFI.
- Before connecting this camera to the WiFi, please ensure the Wi-Fi signal strength is to be over than 85%. If the camera is far away from the signal source, it won't be connected successfully for the first time.
- If your router is connected with too many devices, the camera will fail to connect Wi-Fi because of the IP address conflict.
- To safeguard your privacy, this camera just supports CloudEdge control. It does not support PC Browser and other Software.
- If an SD card is installed, this wireless camera supports events recording when Wi-Fi disconnected.
- Video playback works in CloudEdge APP only. It does not support the 3rd party player.
- Manually snapshot and recording files are saved in mobile. Events snapshot files are saved in Cloud. Events recording files are saved in Micro SD card.
- It will speed up the power consumption of the battery if you always watch the live footage or the recorded videos from the SD card. Please charging the camera timely based on the low power reminder. (Before using the camera for the first time, please fully charge the camera with the power cord in the package).

2. Product Introduction

Wi-Fi Antenna

Thumb Screw

PIR Sensor
Microphone

Power Light
Lens

USB Charge Port

Speaker

Power Key
Reset Key
SD Card Slot

Working Status Light

Power Key	Press and hold the power button for 5 seconds to turn on the camera
Reset Key	Press and hold RESET for 5 seconds to reset the device (if you have modified the settings, they will revert to the factory default settings)
SD Card Slot	Support local SD card storage (up to 128G)
Lens	Support FHD 1080P resolution
Power Light	Red means charging is in progress Blue means charging is complete
Microphone	Capture sound for your videos
PIR Sensor	Can detect moving objects up to 12 meters away
Working Status Light	**Red light continuously on:** camera network abnormal
	Red light flashing slowly: waiting for Wi-Fi connection
	Red light flashing fast: Wi-Fi connection in progress
	Blue light continuously on: camera is running normally
Speaker	Two-way voice call sound output
USB Charge Port	Use 5V/2A power supply to charge the camera
Thumb Screw	For fixing the camera and the bottom bracket

3. APP Installation and Account Registration

3.1 Download 'CloudEdge' APP
Method 1: Download 'CloudEdge' APP from APP Store(iOS) or Google Play(Android);
Method 2: Scan 'CloudEdge' APP QR code to download it.

Download on the App Store

Get it on Google Play

Tips: Please turn on 2 below permissions while using this APP for the first time.
1) Allow 'CloudEdge' APP to access mobile cellular data and wireless LAN or it will fail to add security camera.
2) Allow 'CloudEdae' APP to receive pushed message or the phone will not receive alarm push when motion detection or audible alarm is triggered.
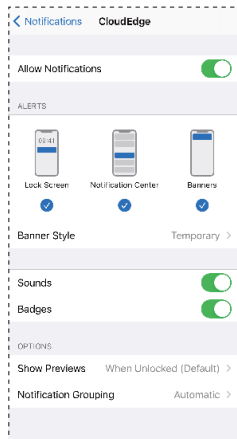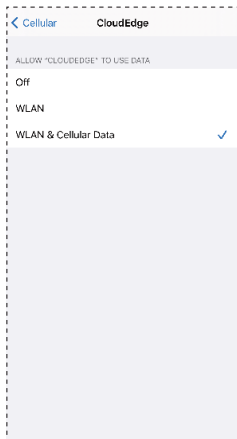
3.2 Register Account
New users need to register by email. The concrete steps are as following:
1) Click 'Register';
2) Follow the steps to complete the registration of the account;
3) Log in.
Note:
● When registering a new account, please choose the region which you are actually in and correct country code. (Different registered regions can't share the camera.)
● Please choose to register by e-mail.

4. How to Add a Camera to APP

4.1 Install Micro SD card
Please insert Micro SD card to record videos when motion detected and playback. (Micro SD card is not included; the camera supports up to 128GB Micro SD card)

Micro SD Card

bottom
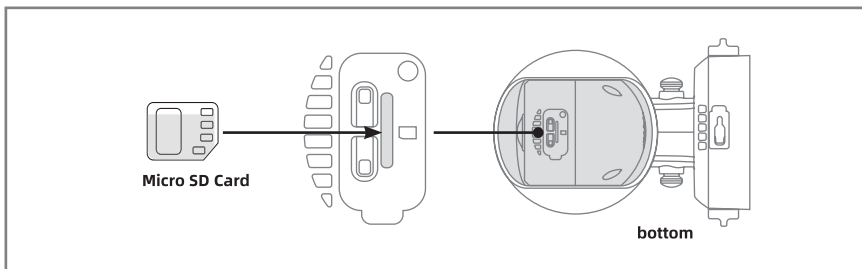
Note: Please insert the Micro SD card before power on, otherwise, the SD card cannot be detected.

4.2 Power on Camera

Press and hold on the power button for 5s to turn on camera (If it can't be powered on, please plug in DC 5V/2A power adapter to charge the camera for 15min first).
The indicator with red light blinking slowly means the camera is started successfully. If the indicator is not in red light blinking slow condition, please reset this camera.

Power Key

Working Status indicator

bottom

front
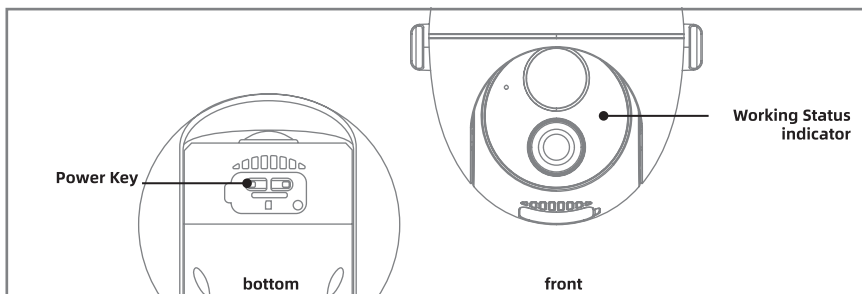
Cannot turn on my camera?
● Charge the camera, and then try to turn on it.
● Press and hold the power key until turning on the camera. (Can try many times)
● If you tried the above steps, but still no luck, please send your order and problem to admin@boifun.net.

4.3 Connect the Camera

Router

30cm~100cm   Smartphone
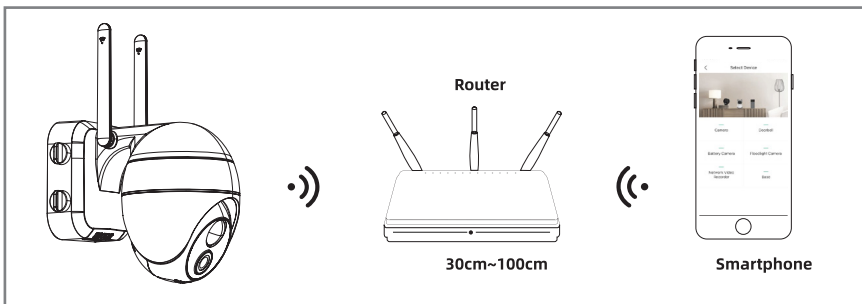
Note:
- Put the camera and smart phone I to 3 feet (30 to 100cm) away from the router to set Wi-Fi.
- The camera only supports 2.4GHz Wi-Fi. It doesn't support 5GHz WIFI.

4.4 Wi-Fi Connection Steps

A. Turn on the camera;

B. Press and hold the reset button for 5 seconds to reset or restore factory until you hear the sound of 'Boogu'(mean resetting successfully);

C. Run CloudEdge App, click '+' at the top right and select 'Battery Camera'. According to the guide on APP, please ensure the camera was activated. (The LED indicator light is turning red and flickering slowly);

D. Choose 2.4GHz Wi-Fi SSID and enter the password, and then click the 'next step';

About 10~15cm

E. Click the 'OK' to make sure the Wi-Fi information;

F. After entering the following operation interface, please click 'Next' and you will see the 'Scan QR Code' interface.

G: Put the QR code in front of the camera lens about 10-15cm. The device lens is aimed at the QR code on the phone screen with a distance of 10-15cm. After the device recognizes the QR code, the camera will make a sound 'Boogu'. After heard it, please click next'.

H. Then, the camera will start connecting Wi-Fi. After the connection finished, it will skip to 'Device Found' page, you could edit the camera name and click 'Done', and then go to your device list and start viewing videos.
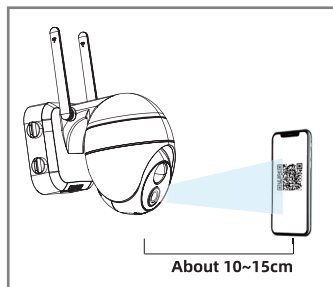
My camera fails to connect Wi-Fi?
1) Please make sure the Wi-Fi the camera connected is 2.4GHz. In our experience, network connection is failed in most cases, which is caused by that users used 5GHz Wi-Fi.
2) Make sure the password correction of the Wi-Fi. (Note: the password of the Wi-Fi cannot include single quote, underline, space and virgule (/).
3) Check the number of the devices your router connected. In general, the router has a connection limits. Once the devices that your router connected excess the its max limit numbers, other devices will cannot connect the router.
4) Make sure the QR code on the phone screen is normal and the distance between the phone and the camera lens is 10-15cm (3.9-5.9inch) during the scanning process.
5) After checking the above information, if the camera cannot connect the Wi-Fi, please try to re-download the APP, reset the camera and restart the router, and then add the camera again.
6) If you tried all steps, but still no luck, please send your order and problem to admin@boifun.net.
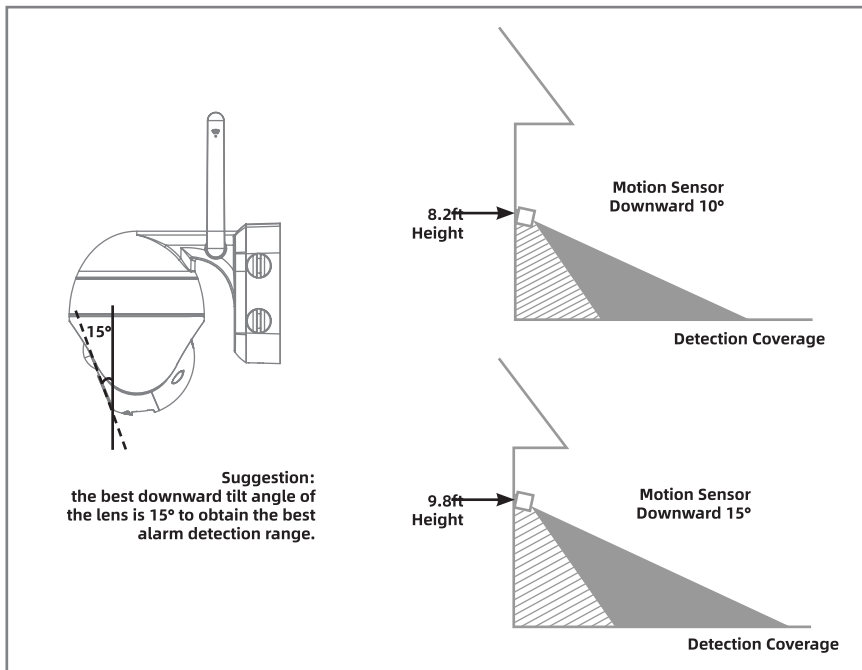
5. Camera Installation

How to install with wall mount?
A. Select the installation location;
B. Take the camera and your phone to the installation location;
C. Use the Installation Guide in the App to diagnose the signal strength of your Wi-Fi network. (It is suggested to install the camera on a place that has a strength Wi-Fi signal so that this camera can works well for you.
D. Use power drill and four screws to fix the metal bracket on the wall. It is suggested to install this camera at 2.4-3m from the ground.
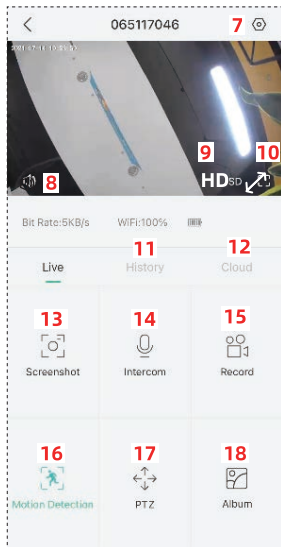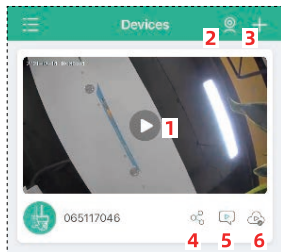E. Clip the camera into the metal bracket and use the four screws to fix the camera.

Extra Tools you need:

Step Ladder   Power Drill
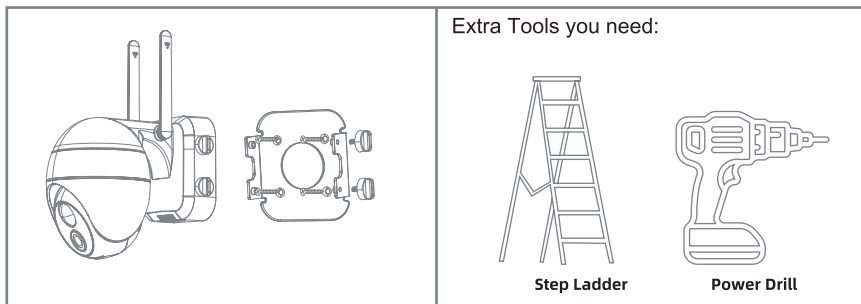
Tips:

- Please make sure the wall or surface where you want to install the camera is flat. For easier installation, it is suggested to use drill.
- Please do not install the camera at a position that nears heat source, such as Air conditioner outdoor unit and Kitchen smoke outlet.
- Try to avoid installing the product on the side of a lively road. Frequent pedestrians and vehicles will keep waking up the camera, resulting in frequent alarm messages and extremely fast power consumption.
- Please do not install the camera at a position away the router. The product needs a good Wi-Fi signal to works well.
- When installing the camera, it's not suggested to make the PIR sensor vertically face the moving object, otherwise, it may not detect the motion events. It is suggested to make the angle between PIR sensor and detected object larger than 15 degree.

15°

Suggestion:
the best downward tilt angle of
the lens is 15° to obtain the best
alarm detection range.

8.2ft
Height

Motion Sensor
Downward 10°

Detection Coverage

9.8ft
Height

Motion Sensor
Downward 15°

Detection Coverage

6. Function Introduction

6.1 APP interface Introduction

1	Enter the video browsing page
2	Multi-screen viewing
3	Add a camera
4	Device share
5	Check the picture and video of alarm
6	Cloud storage
7	Camera settings options, such as SD card, alarm setting etc.
8	Turn on/off the speaker
9	Video definition Settings (SD, HD)
10	Full screen option
11	SD card video playback
12	Cloud storage video playback
13	Screenshot button
14	Intercom option, long press it to talk
15	Record button (Manually capture video)
16	Human motion detection function
17	PTZ remote control
18	Album (Store screenshots and manual video files)

EN
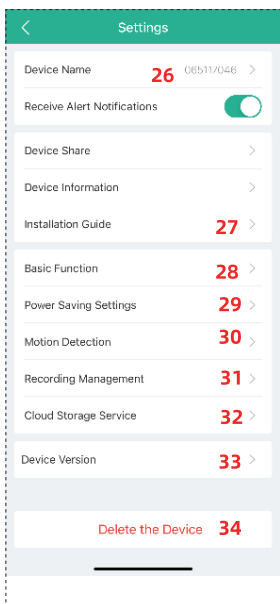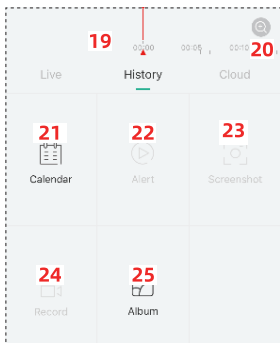
19	Video Timeline, can drag it to select the time
20	Timeline zoom button
21	Calendar option, click it to select the date
22	Choose the alarm video footage
23	Screenshot, video snapshot
24	Recording (First click to start recording, then click again to end recording)
25	Album (Store screenshots and manual video files)
26	Modify the name of your camera
27	Get device information (network information, Mac address, time zone)
28	Installation guide, Network Diagnosis
29	Turn on/off the indicator; night vision setting; battery capacity
30	Set the recording time and alarm interval
31	Motion detective setting
32	Recording setting; SD card capacity checking
33	Firmware version of your camera
34	Delete the device

6.2 Device share

The steps of sharing your cameras to other users:

1) Invite your friends to download and install the 'CloudEdge' APP and login.

2) Click on the 'Device Share' icon to watch the operation video and follow the steps to complete device sharing.

Tip: When sharing, please ensure that your APP account is registered in the same region. Otherwise, you will not be able to share successfully.

7. SD Card Record

NOTE: The product doesn't include SD card.
SD card requirements:
1) It is recommended to use San Disk, Samsung and other brand cards;
2) Support 8-128GB capacity;
3) It is recommended to use a standard Class 10 SD card;
4) Only FAT32 format is supported.
Note: Insert the memory card into the SD card slot of the device, and the device will automatically start saving videos.

How to watch the videos in SD card?
Method 1: Click the '**History**' or '**Video Play**' button of the alarm information icon in the APP to enter the video playback interface. Drag the timeline or select the alarm point to find the corresponding time period record.
Method 2: Insert the SD card into the computer and convert the video format to MP4 via 3rd-party. When the video is MP4 format, you can directly watch it on the computer.

8. PIR Motion Detection Settings

Enter the application-'**Parameter Setting**'-'**Motion Detection**' interface.
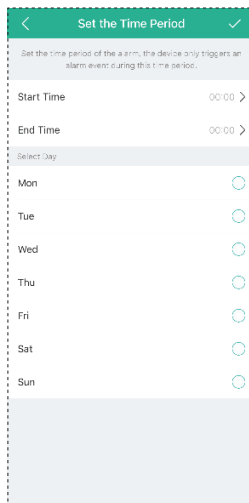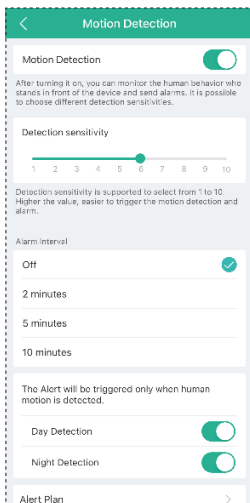
Sensitivity	Detecting Distance (For moving objects)
Level 1-3 (Low)	Up to 4-5 meters
Level 4-7 (Med)	Up to 5-8 meters
Level 8-10 (High)	Up to 8-13 meters

Warm Tip:
When you encounter the following problems in using this camera, you can adjust the motion detection sensitivity to solve them.
Note:
1) It is recommended that you set the alarm sensitivity to level 8-10 if having and missed or delayed alarm frequently.
2) It is advised that you set the alarm sensitivity to level 1-3 if having false alarm frequently.
3) It is recommended that you adjust the sensitivity to lower level. Alarm sensitivity and detecting distance from high level are too far to easier false triggering. In winter, it easily caused false alarms because of bigger temperature range. Also, PIR alarm will be interference from weather and temperature.
4) It is recommended that you adjust the sensitivity to higher level. In summer, it caused missed or delayed alarms because of smaller temperature range.
5) If you notice the poor performance of motion detection in the night environment, try to turn off 'Night Detection'.

9. Battery Management

9.1 Charging the camera
It is recommended to use a 5V/2A power adapter for charging. Please use the usb cable in the package to charge this camera.
Note: If a 5V/2A power adapter is not available, other sizes of 5V power heads can also be charged.

How to judge whether the charging is successful?
The device's charging indicator light is red, which means it is charging. A blue light means that charging is complete. It will take approximately 10 hours or more to fully charge.

What should I do if the charge fails?
1) Determine whether the power adapter is good, try another one.
2) Determine whether the USB charging cable is good, try another one.
3) The charging indicator may be defective, please check the charging condition in the

phone APP.

4) Determine whether the charging port of the device is not in good contact with the USB charging cable.

5) The device has a low temperature charging protection module, please don't charge the device at low temperatures.

6) Contact customer service: admin@boifun.net

9.2 Battery life

If the device does not detect a moving object, the device will enter sleep mode, reducing the power consumption of the device.

If the device detects a moving object, it quickly wakes up and starts within 1 second and takes screenshot with recorded video.

Warm tip: When the temperature is below -20° C, the battery may enter self-protection mode, which caused the camera automatically be shut down. But if the temperature rises, the battery will automatically return to normal state.

At the low temperatures, if you need to charge this camera, please place it on home several hours first. In room temperature, the self-protection mode of the battery will automatically be shut off to charge this camera safely.

Why the battery life of my device is poor?

A. Please check whether the number of alarms is too frequent. Because the working time of the device determines the battery life. The more frequent PIR wake-ups, the faster the battery consume due to the longer working time. It is recommended to appropriately lower the motion detection sensitivity of the device and set the alarm interval and alarm time plan. (Note: Outdoor air conditioning units, moving cars and the passing pedestrians will cause frequent alarms. Please adjust the angle of the device to avoid these objects.)

B. In cold weather, the battery capacity will be reduced, which will affect the endurance of the device.

C. Contact customer service: admin@boifun.net

10. FAQs

For more detailed FAQs, please log in to the APP, search in 'Me'-'FAQ'-'Help Document'-'Battery Camera'

The device prompts offline?

1) Check whether the equipment is in the power-on state, and observe whether the working light of the equipment is on normally.

2) Check whether the Wi-Fi network is in good condition and restart the router.

3) If the device is located far away from the router, which results in the inability to obtain a good Wi-Fi signal, it is recommended to move the router to a closer place or add a Wi-Fi

amplifier to improve the Wi-Fi performance of the home.
4) Delete the camera from your CloudEdge account and add it again after resetting the device.
Check whether the device firmware and application program are the latest version.

Update router or Wi-Fi password?
Delete the camera from your CloudEdge account. After resetting the device, use the new Wi-Fi and password to add it again.

Can't play historical video?
1) Check the status of the SD card in 'Settings' to ensure that the SD card has been successfully recognized.
2) Reinsert the SD card.
3) In the application, format the SD card.
4) Try another new SD card.

Alarm push frequently?
1) In the app, lower the sensitivity of the motion detection alarm.
2) Check whether there are objects that interfere with and trigger the PIR sensor in the field of view of the device, such as the outdoor unit of the air conditioner, driving cars, passing pedestrians, etc. The angle of the device can be adjusted appropriately to avoid these easily disturbing objects
3) Turn on 'human motion detection' and use humanoid algorithm to filter useless alarms.

The phone cannot receive the alarm push?
1) Turn on all the push permissions of the 'CloudEdge' application in the system settings of your mobile phone.
2) Make sure that the device's motion detection function is successfully turned on.
3) Restart the phone, and clear the cache on Android phones.
4) Check whether the network is good.