HooToo®

User Guide

HT-TM02 TripMate Nano

V 1.0

Contents

Chapter 1 Introduction 4

1.1 Preview 4

1.2 Features 4

1.2.1 Personal Cloud 4

1.2.2 Travel Router 4

1.2.3 Powered by USB for extreme portability 4

1.3 Diagram 4

Chapter 2 Configure the TripMate Nano 5

2.1 Connect the TripMate Nano 5

2.1.1 Connect the TripMate Nano wirelessly 5

2.1.2 Access the Configuration Page 7

2.2 Personal Cloud 8

2.3 Travel Router 10

2.3.1 Access Point Mode 11

2.3.2 Router Mode 12

2.3.3 Bridge Mode 17

Chapter 3 System Tools 22

3.1 User Setting 22

3.2 Disk Information 23

3.3 Network Setting 24

3.3.1 Host Name 24

3.3.2 SSID Setting 26

3.3.3 Hide SSID 28

3.3.4 DHCP Settings 29

3.4 Service Setting 29

3.4.1 Samba Service 29

3.4.2 DLNA Service 30

3.5 System Settings 34

3.5.1 Backup & Restore 34

3.5.2 Firmware 35
3.5.3 Factory Default 39
3.6 Wizard 40
3.7 Explorer 40
Chapter 4 Warranty and Support 42
Appendix A: Specification 43

Chapter 1 Introduction

1.1 Preview

TripMate Nano is a versatile device that may be tiny but is jammed packed with features. The HooToo TripMate Nano creates a personal hotspot for sharing your existing USB storage device, and can act as a portable wireless network router by turning a wired connection into a wireless one. Weighing a tiny 1 ounce, the TripMate Nano saves in size but not in convenience.

1.2 Features

1.2.1 Personal Cloud

Create your own wireless network to transfer and share media with Wi-Fi enabled devices. Stream your videos and songs from USB storage devices and share with friends!

1.2.2 Travel Router

Turns an existing network into a handy, secure, local hotspot which can be shared by up to 50 different devices!

1.2.3 Powered by USB for extreme portability

The TripMate Nano is USB-powered to ensure convenient internet access anywhere. Because of its size, you can bring your Nano everywhere you go and never get weighed down. (Please use 5V/1A power adapter.)

1.3 Diagram

Chapter 2 Configure the TripMate Nano

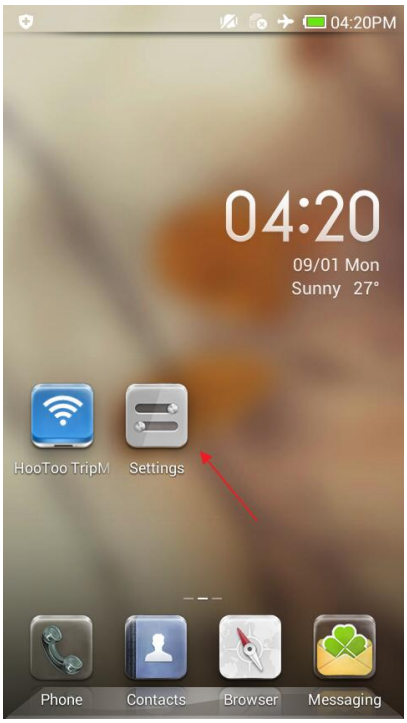
2.1 Connect the TripMate Nano

2.1.1 Connect the TripMate Nano wirelessly

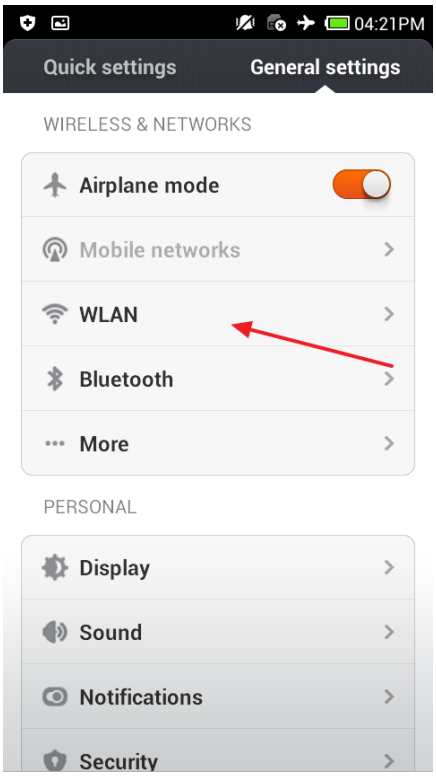
TripMate can create a limited local wireless network (no full internet access), where the central functions are performed through the local network. To connect the TripMate wirelessly, please follow the steps below:

Example: Android

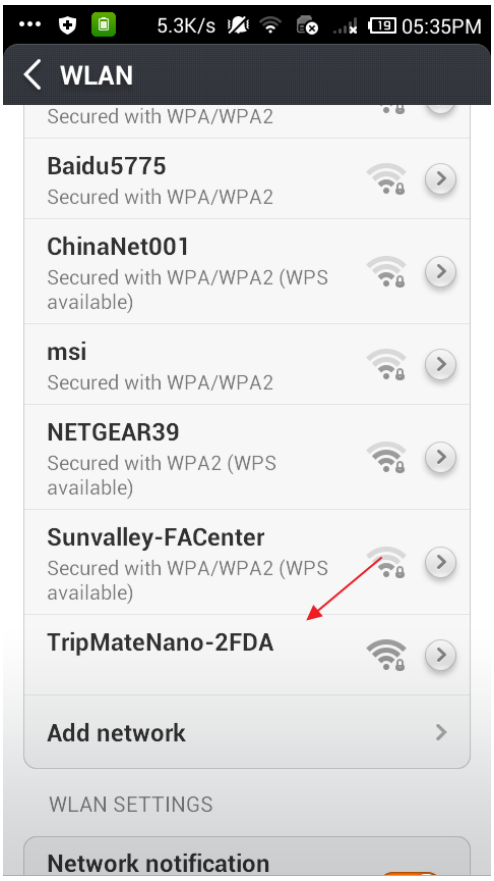
1. Press the power button for 3 seconds to power on the device. Wait for the Wi-Fi indicator to be ready
2. Click **Setting** on phone



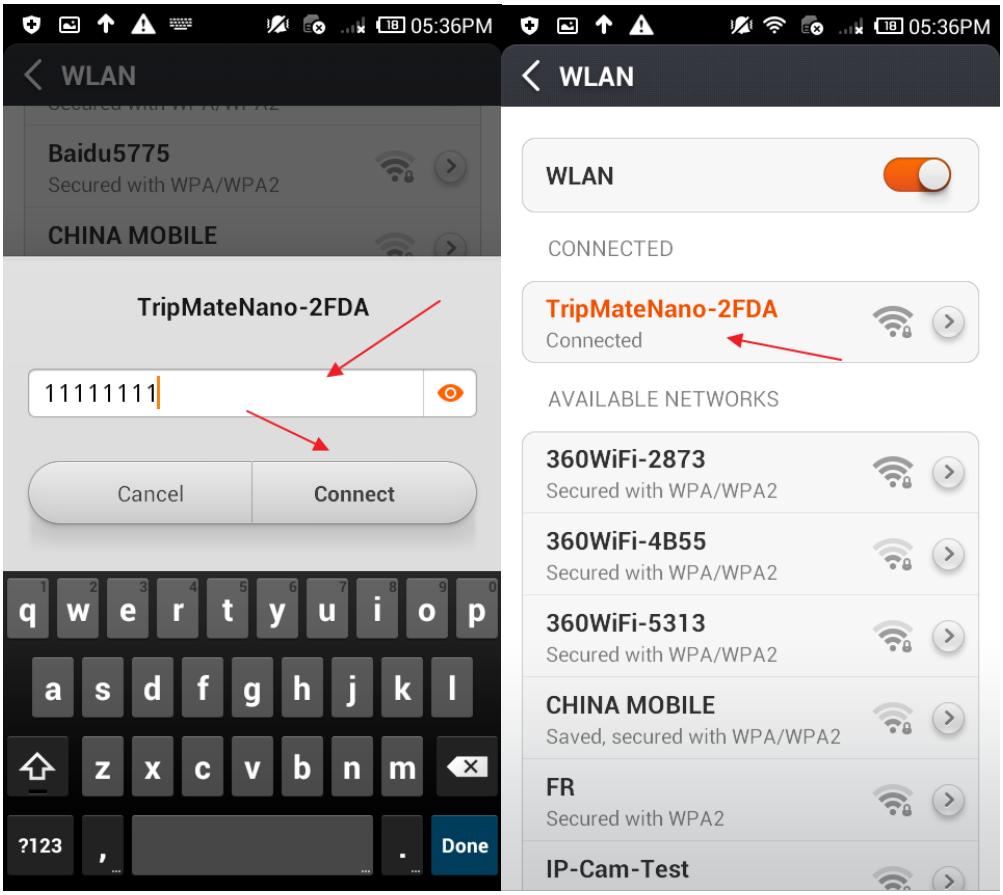
3. Click **WLAN**



4. Open Wi-Fi, select **TripMateNano-XXXX**

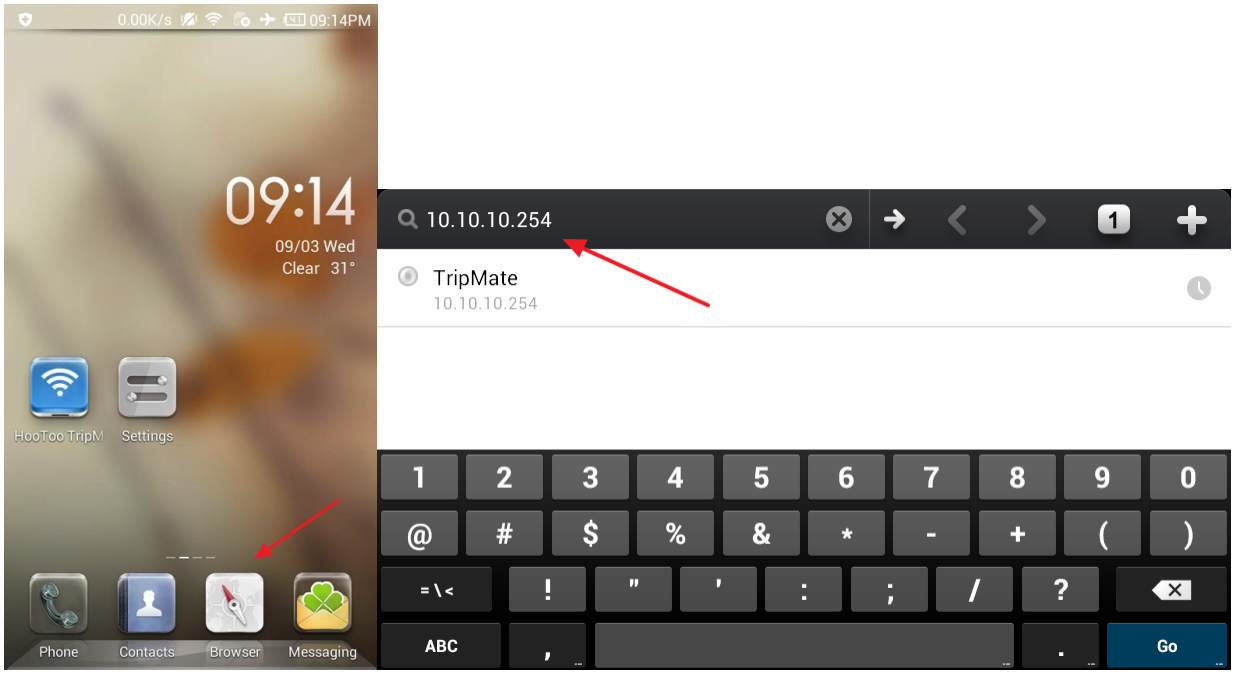


5. Enter the default password: 11111111 (8 x 1's), click **Connect**

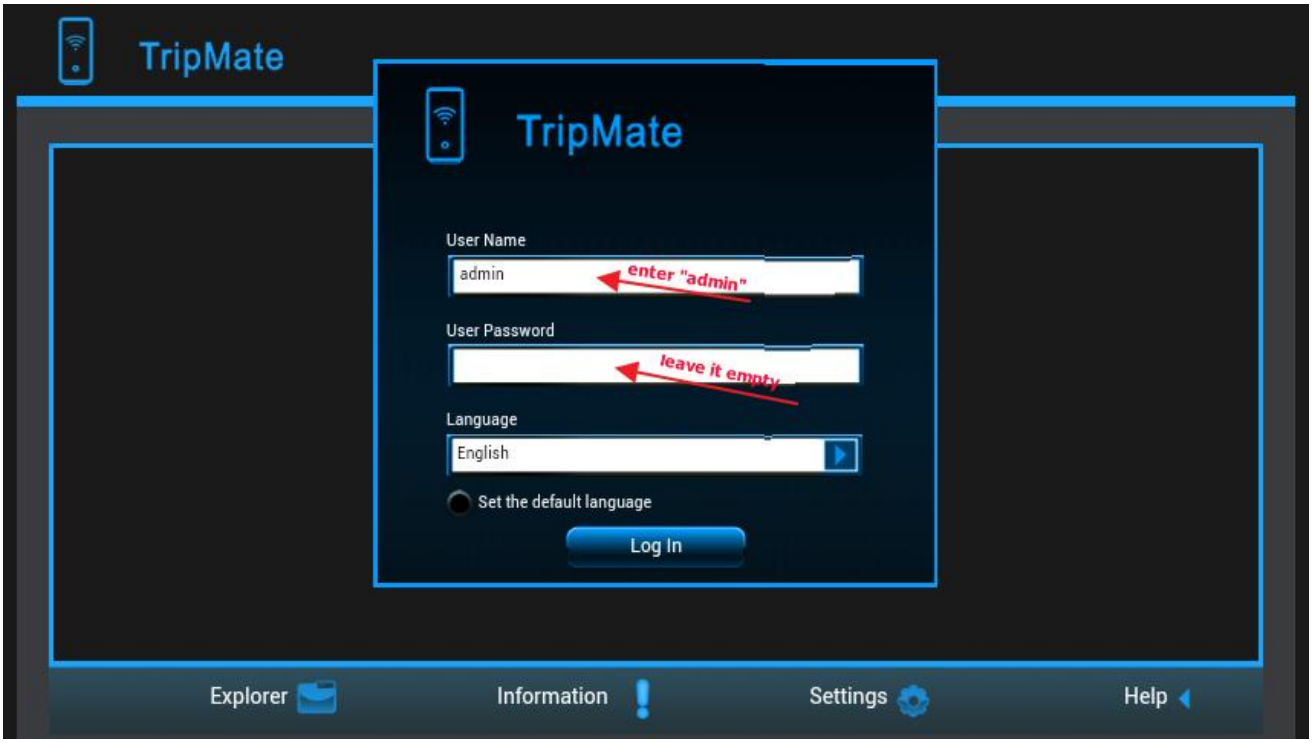


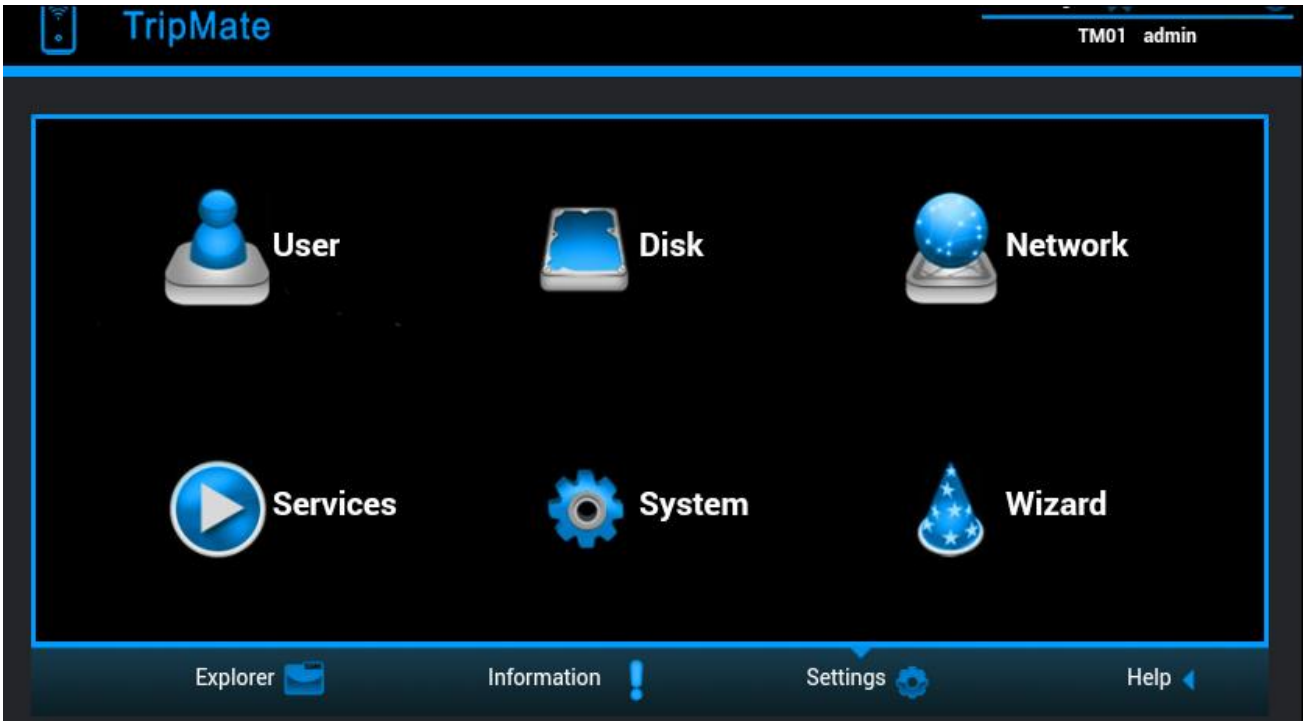
2.1.2 Access the Configuration Page

1. Connect phone to TripMate Nano
2. When it shows the status "**Connected**", open **browser**, enter **10.10.10.254** in the url box



3. Log in with default user name: **admin**, password: (leave it empty)



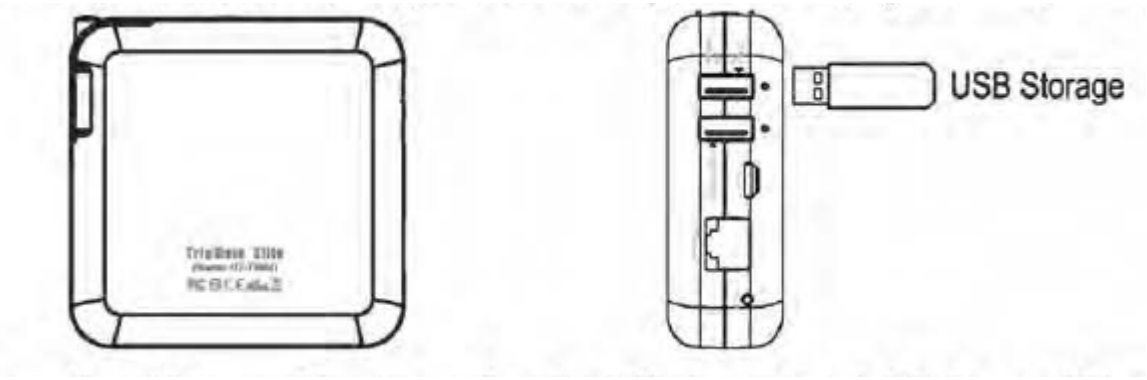


2.2 Personal Cloud

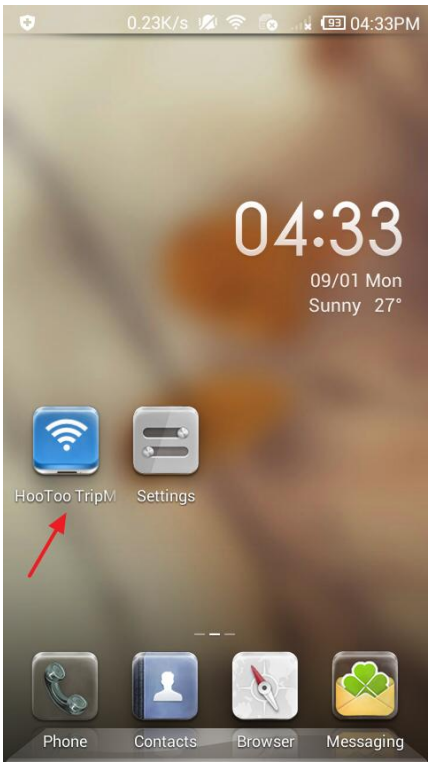
You can create your own wireless personal media sharing cloud.
▲**Note**: Download the "HooToo TripMate" app from App Store or Google Play first

Example: Android

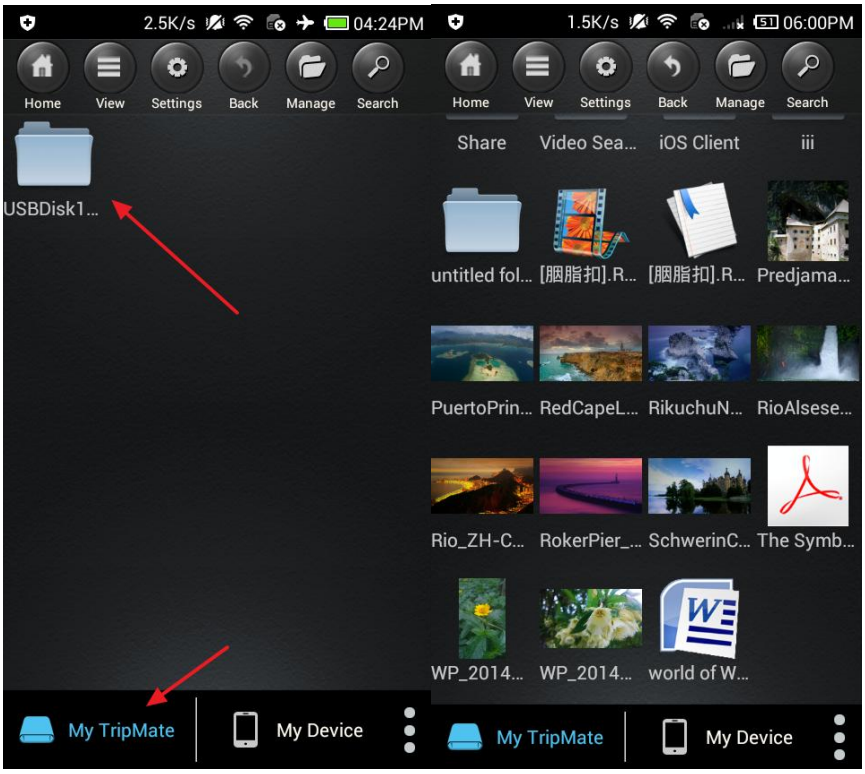
1. Insert a USB thumb drive, a card reader (up to 64GB), or a USB HHD (supported format: NTFS/FAT16/FAT32, up to 4TB) into the USB port of the TripMate, then power up the TripMate



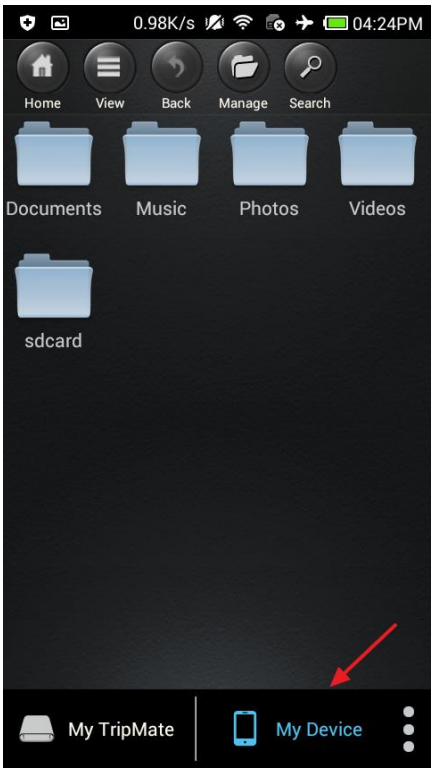
2. Download the app **HooToo TripMate** from Google Play
3. Connect phone to TripMate
4. Run the app **HooToo TripMate**



5. Tap on **My TripMate**. All of the contents can be found under the main folder **"USBDisk1_Volume1"**



6. Tap on **My Device.** All of the contents on the phone can be read.



▲**Note**: If you need specific instructions for the HooToo TripMate app, please refer to the

instructions listed on the HooToo website www.hootoo.com

2.3 Travel Router

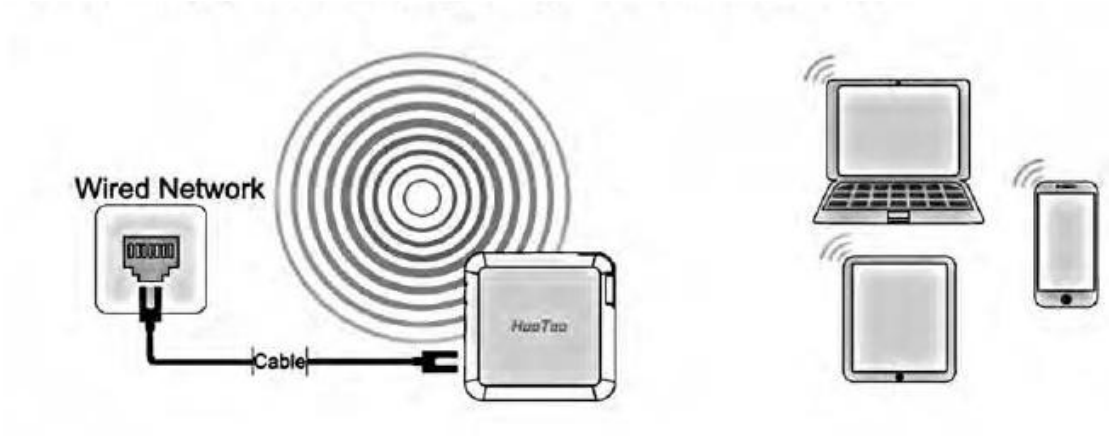
▲**Note**: Similar settings can also be performed on any Mac computer, or mobile devices such as phone, tablet, etc.

2.3.1 Access Point Mode

Definition: TripMate is connected to a wired network and transforms the wired connection into a wireless one so that multiple devices can share the Internet.

Application:

1. Office, home, hotel and places where only wired network is available.
2. LAN gaming party, small meeting with file sharing and other situations where a temporary network is needed.



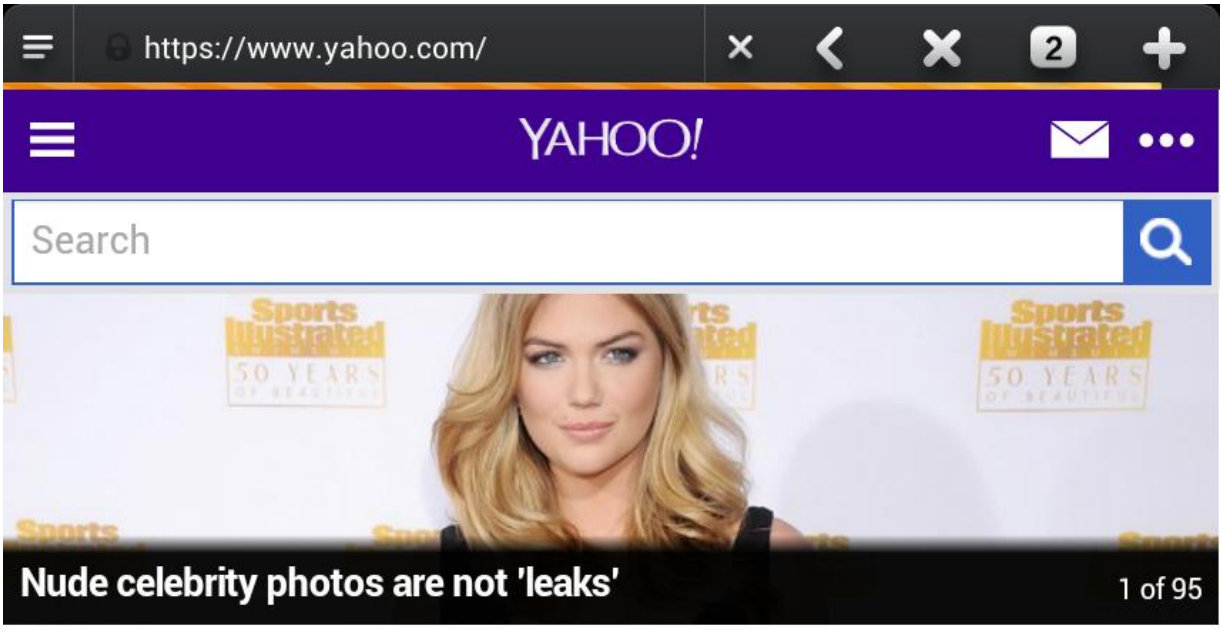
Configuration:

Example: Android

▲**Note**: TripMate Nano will automatically become an access point once:

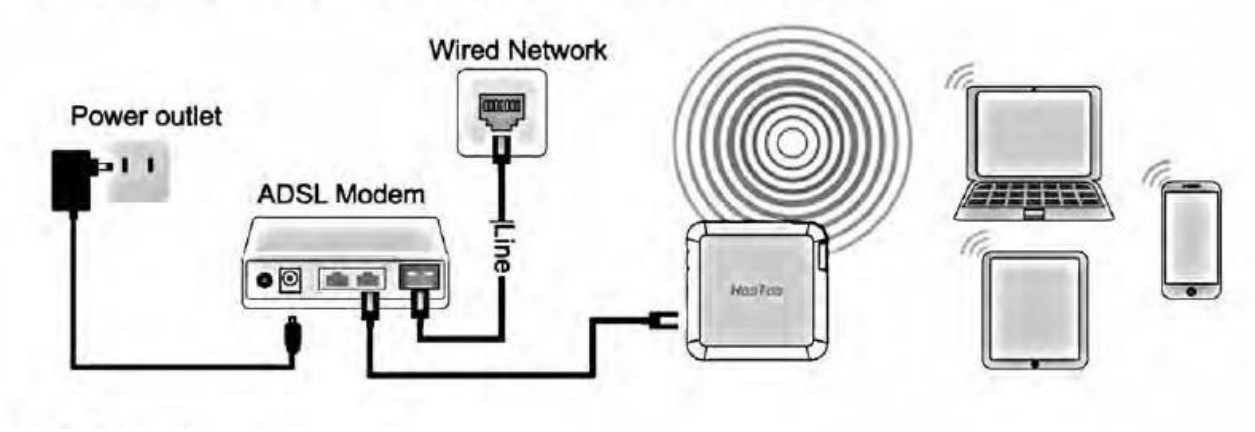
1. Power on the TripMate Nano
2. Plug a network cable from a **well-established router** to TripMate, wait for the blue Wi-Fi indicator light to stop flashing and remain steady
3. Switch the network button besides the micro-USB port to wired mode (to the left side)
4. Connect phone to TripMate Nano wirelessly. Wait the green WAN indicator light to be steady
5. TripMate is now connected to the internet (e.g. www.yahoo.com).

▲**Note**: No need to change any parameters once it becomes an Access Point.



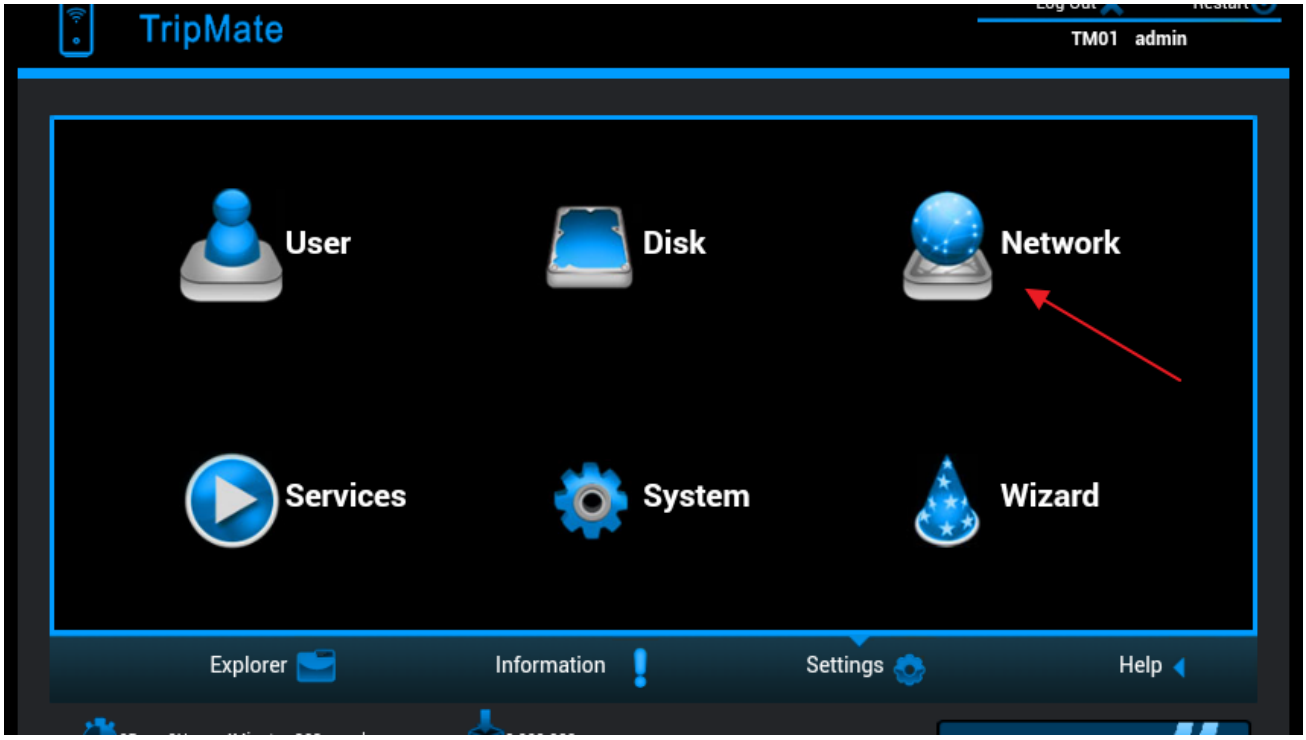
2.3.2 Router Mode

TripMate connects to a DSL or cable modem and turns it into a regular wireless router.



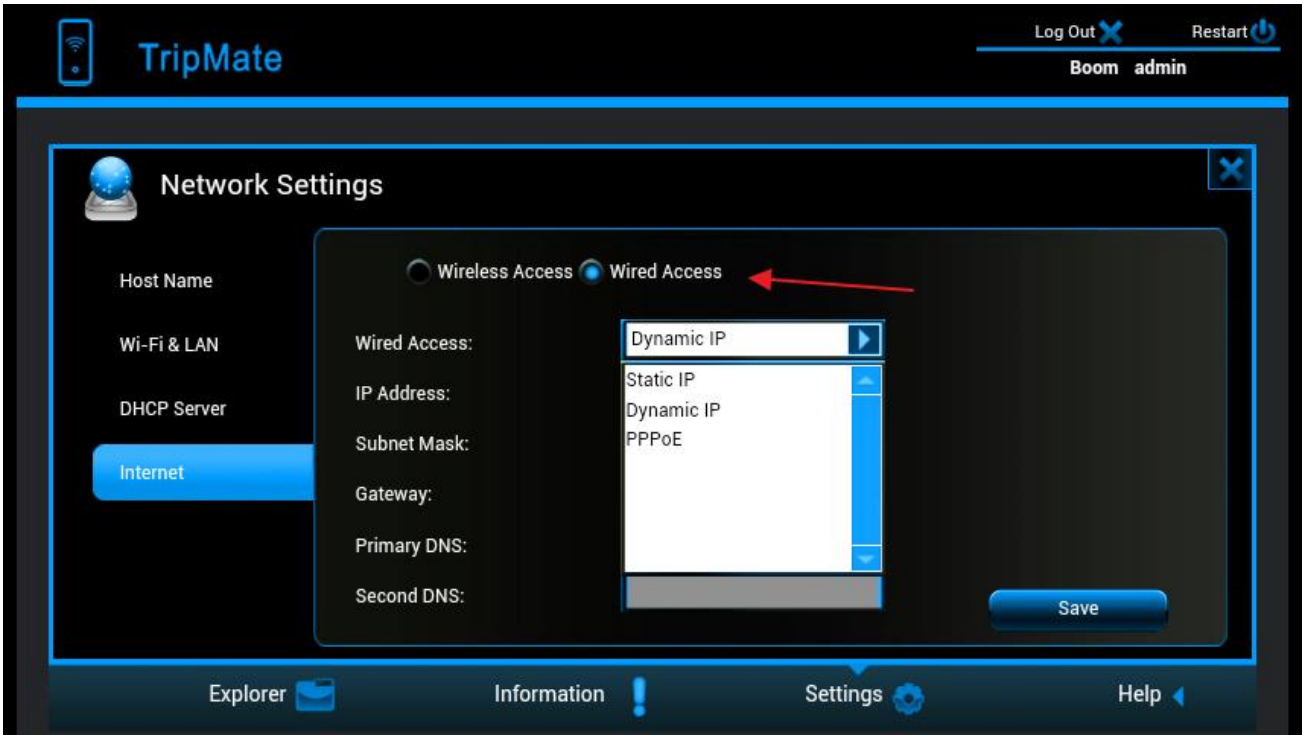
Configuration:

1. Power on TripMate Nano
2. Plug an Ethernet cable from **a well-established modem** to TripMate Nano
3. Connect phone to TripMate Nano wirelessly. Make sure the network button is switched to wired mode.
4. Login 10.10.10.254
5. Click **Network**



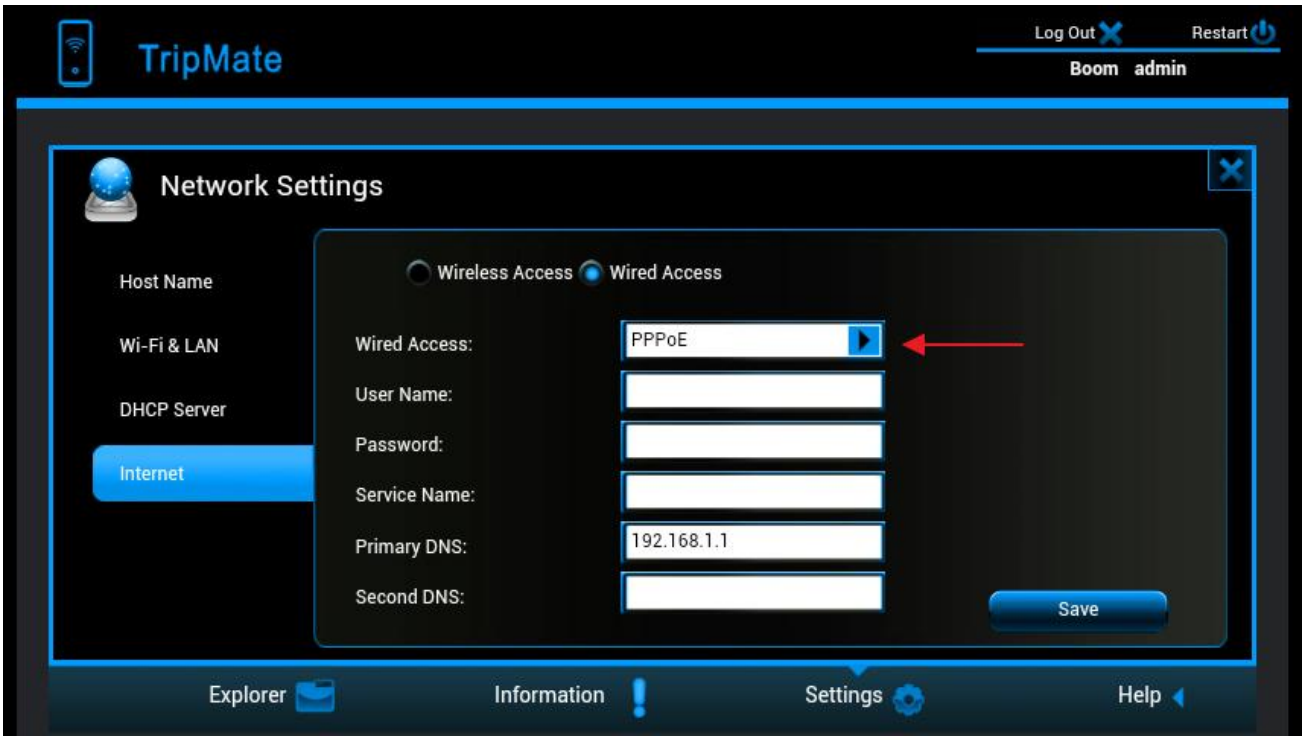
6. Select **Internet**, choose **Wired Access**.

▲**Note**: TripMate provides Dynamic IP, Static IP and PPPoE for router setup. Please consult with the network administrator or refer to the wired network user documentation for best selection.



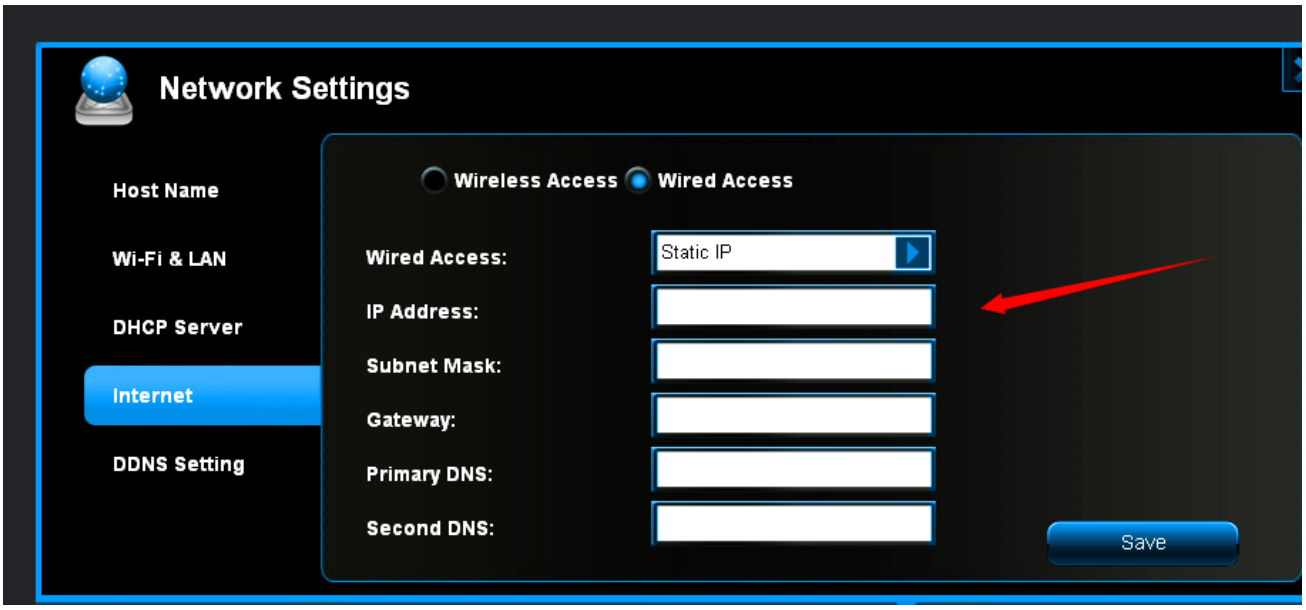
If using a **DSL** Internet, please enter the **PPPoE** username and password. Click **Save**

Example:



TripMate is now connected to the internet

If a static IP address is issued by the network provider (please request network provider), the given static IP fields (including network mask and gateway) must also be set to the router. Click **Save**



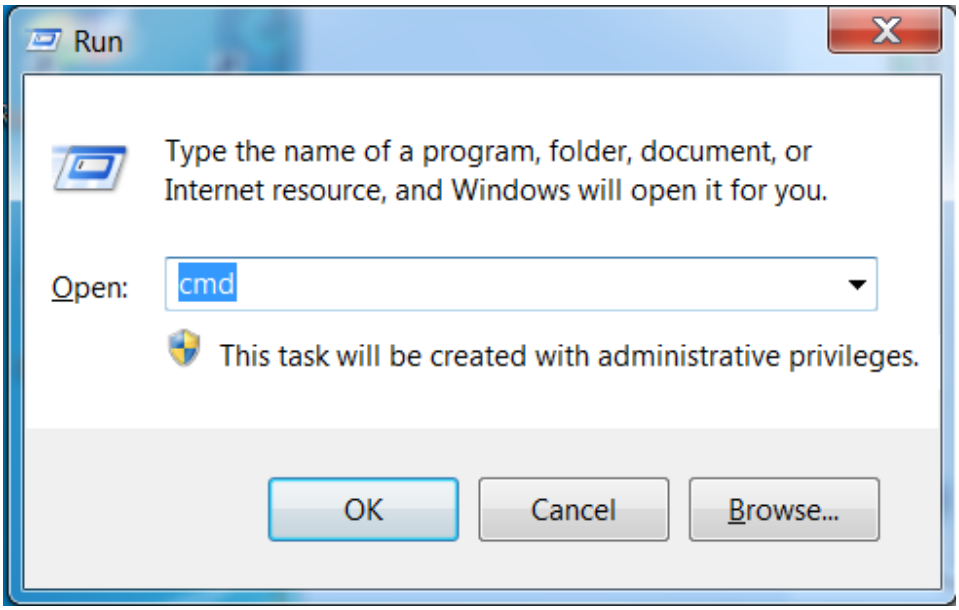
TripMate is now connected to the internet

▲Tips:

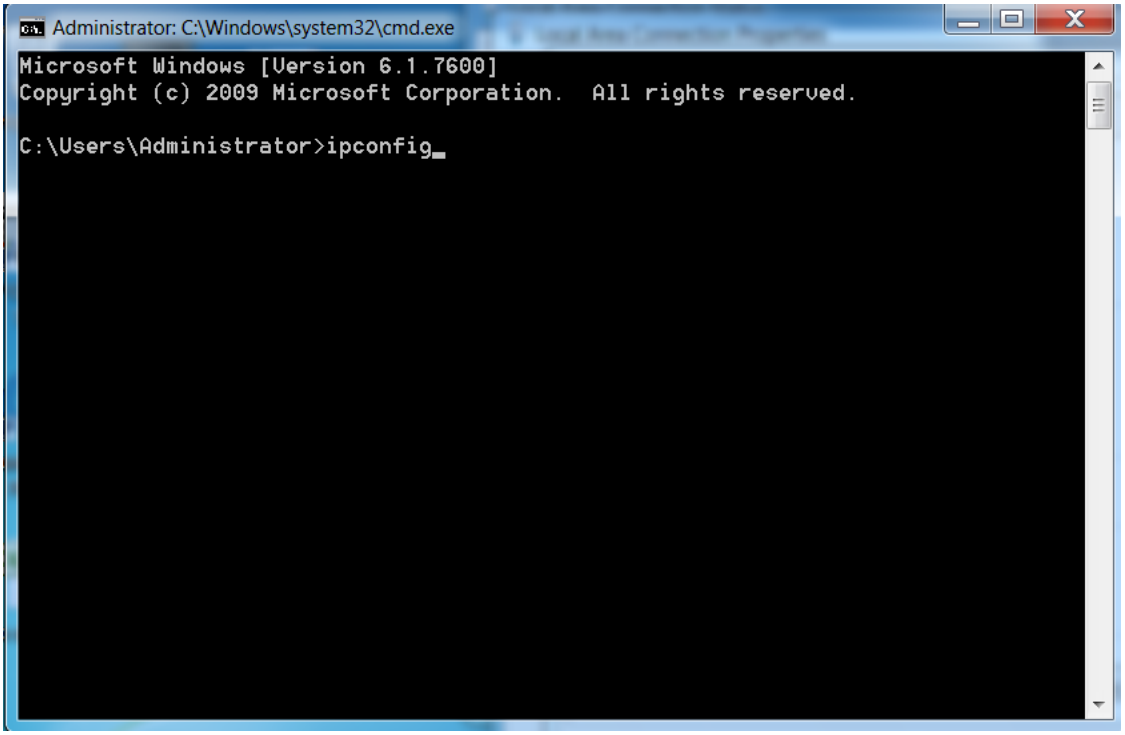
When connecting devices with network cables, please make sure the cable is connected securely. Loose cables are one of the most common sources of network setup problems.

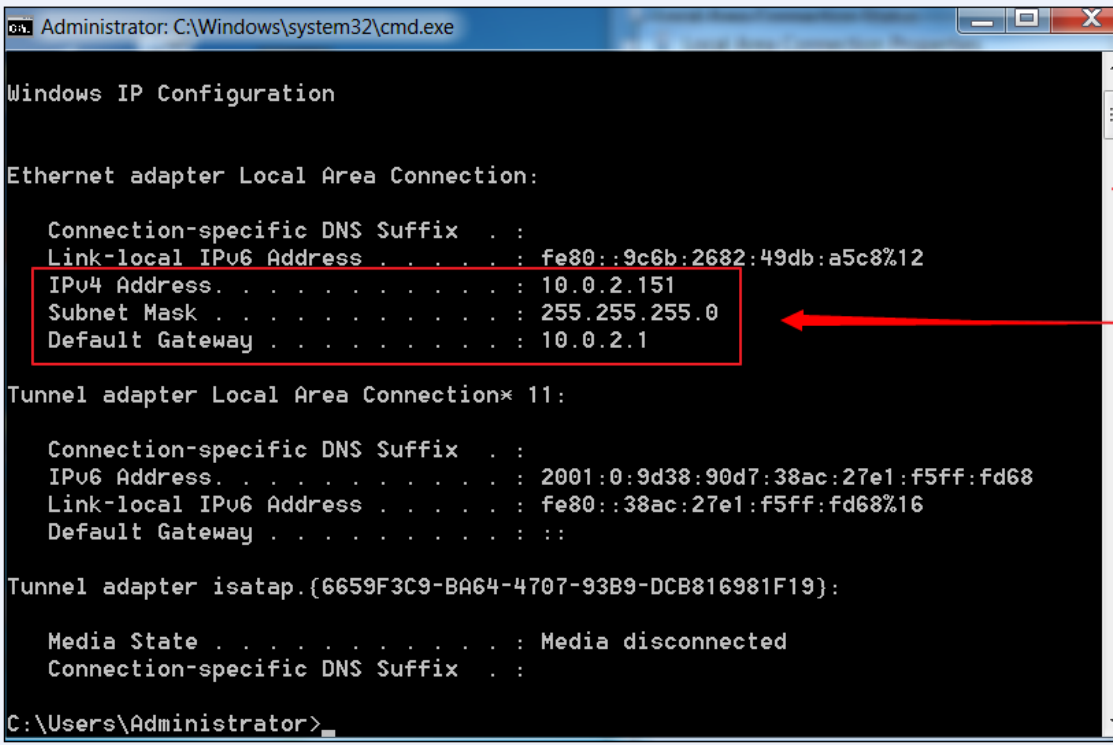
If a wired network type cannot be chosen, an alternative method is available to set up the router mode

1. Connect the computer directly to the wired connection with an Ethernet cable
2. Press **win+R** on the keyboard (the "win" key is located between the Ctrl and Alt buttons)

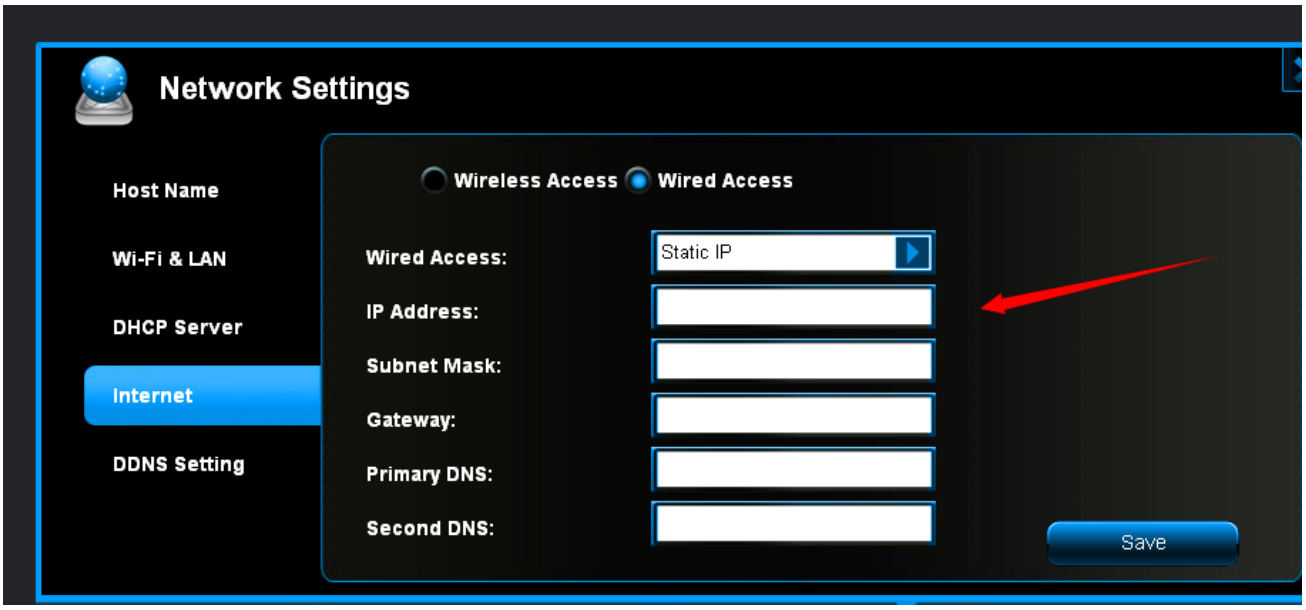


3. Enter **CMD**, a black window pops up; enter **ipconfig**. Get the IP address, subnet mask and default gateway assigned by the router/modem.





4. Connect TripMate Nano to the wired connection with an Ethernet cable. Make sure the network button is switched to wired mode
5. Login 10.10.10.254
6. Click **Network**
7. Select **Internet** , then choose **Wired Access**, choose **Static IP** in the drop-down list
8. Enter into the IP field the same IP information assigned by the wired network. Click **Save**

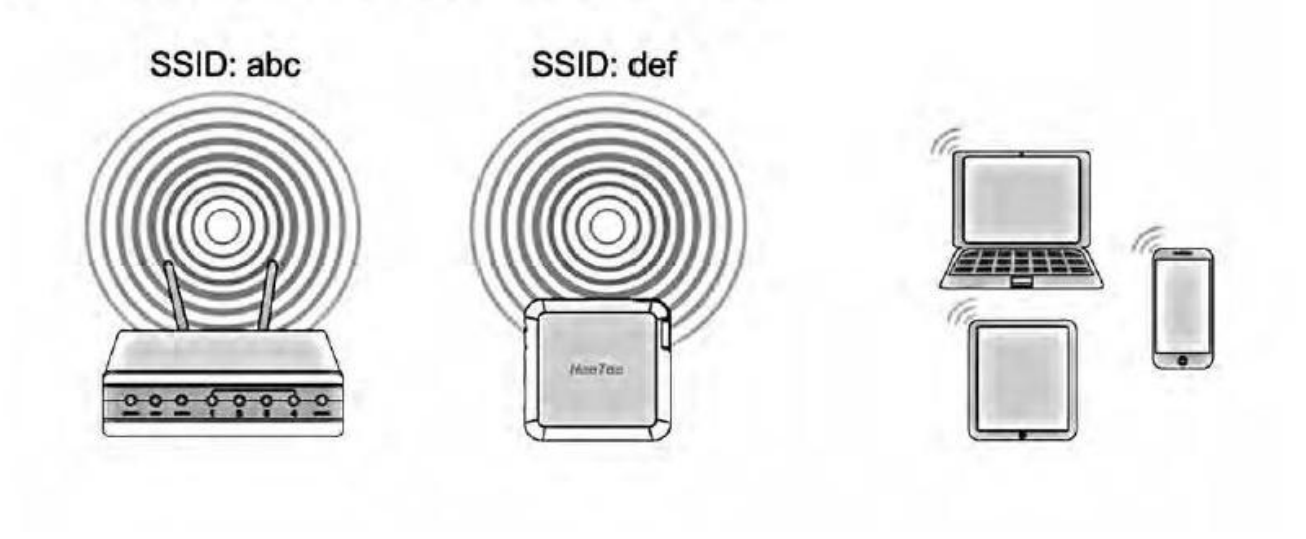


TripMate is now connected to the internet

2.3.3 Bridge Mode

Definition: The router borrows an existing wireless Internet and broadcasts it using a different network name (SSID) and password. This application can create two individual networks for two groups of users sharing one Internet connection.

Application: Small restaurants, shops, bar, home, office or others where Internet service needs to be provided for guests without revealing the password of the existing network for hosts.



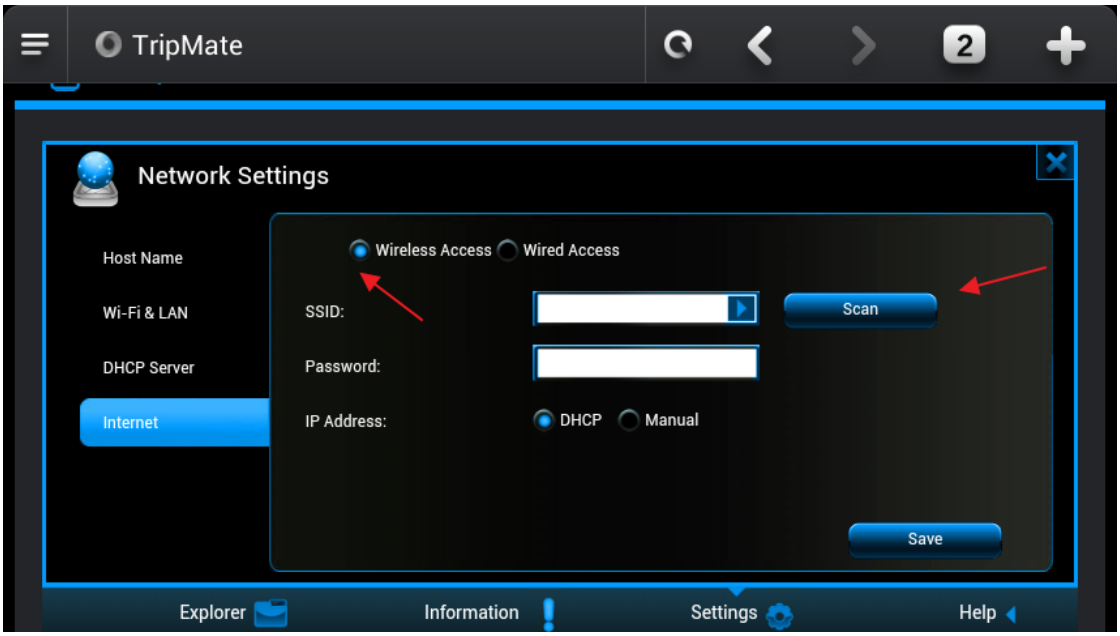
Configuration:

There are two configuration modes:
1. Wi- Fi is secured, which requires entering password,
2. Wi- Fi is open, but has an authorization page.

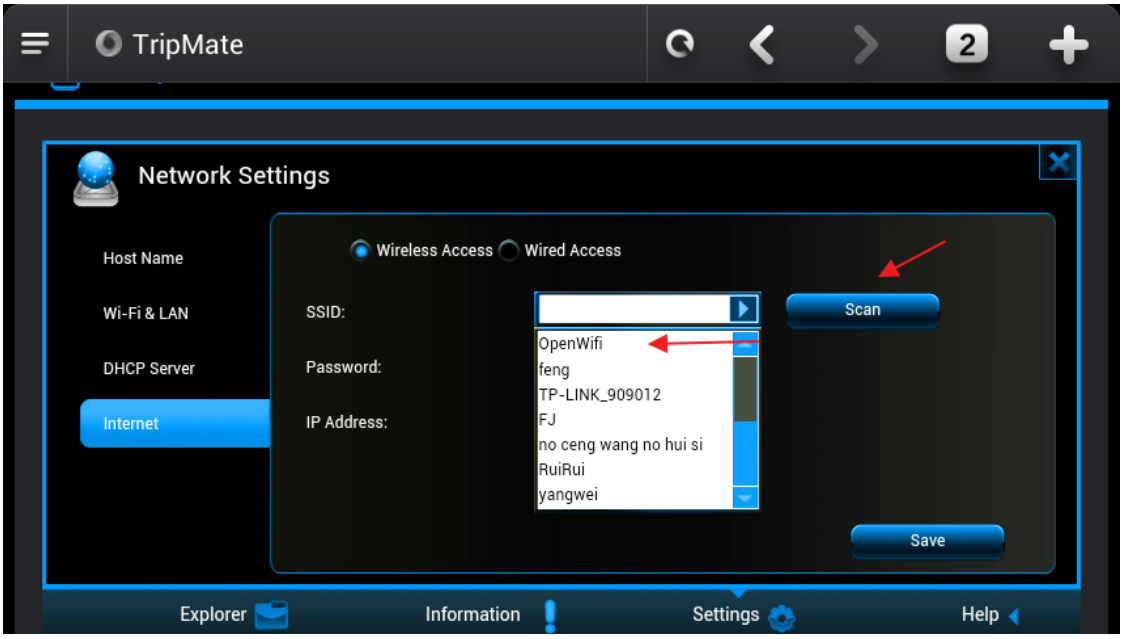
Configuration #1:

Example: Android

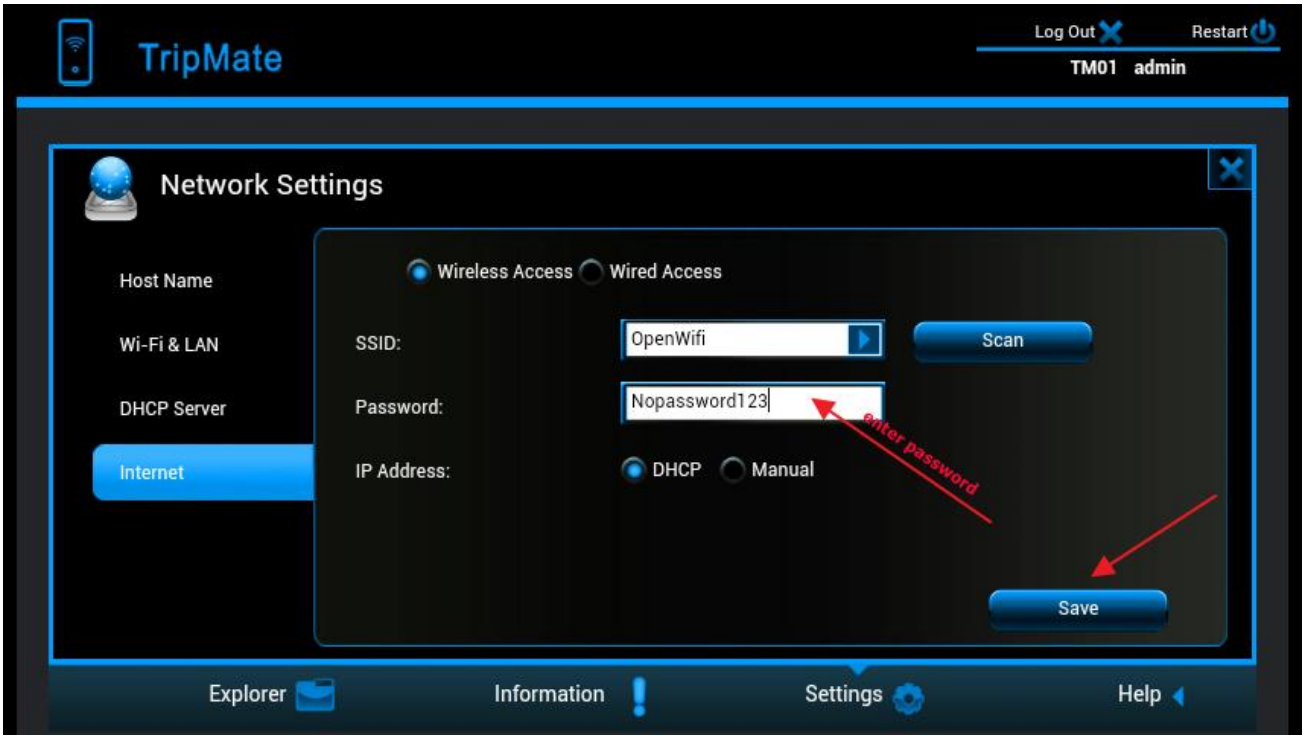
1. Power on the TripMate Nano
2. Connect your phone to the TripMate Nano wirelessly. Switch the network button to wireless mode (right side).
3. Open browser and log in 10.10.10.254
4. **Network** → **Internet**, choose **Wireless Access**



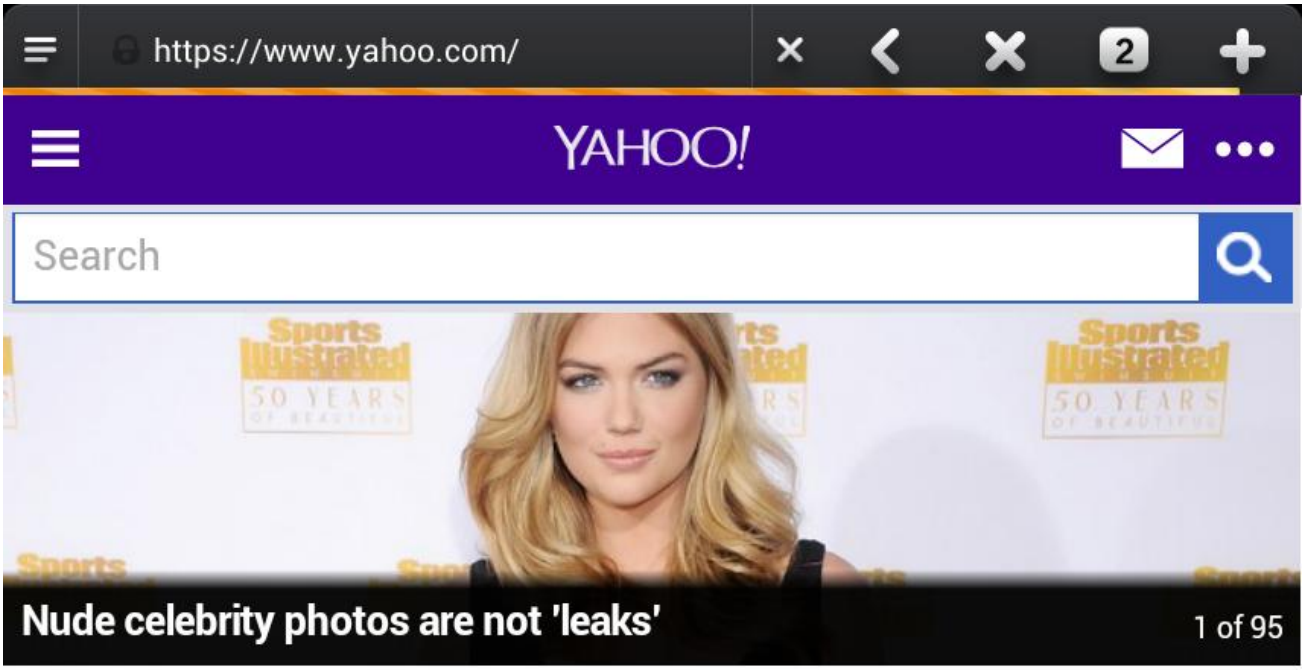
5. Click **Scan** to search available Wi-Fi



6. Select **OpenWifi,** enter the corresponding password. Click **Save**



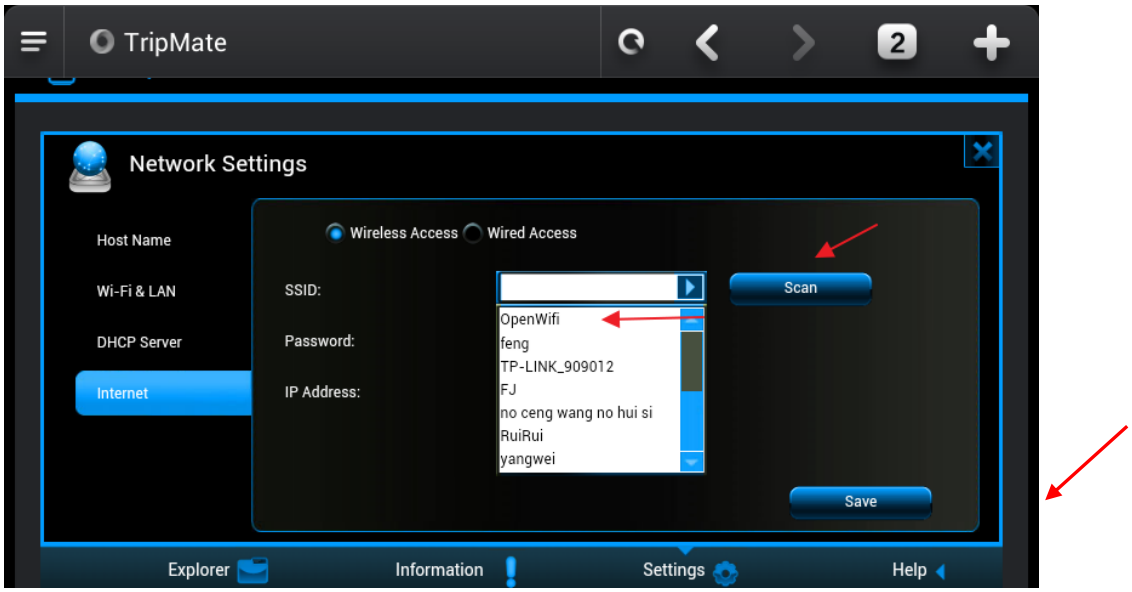
TripMate is now connected to the internet



Configuration #2:

1. Get the user name and password of the Wi-Fi, which is needed to click through the login/authentication page
2. Connect phone to TripMate Nano wirelessly; Open browser and log in 10.10.10.254. Make sure the network button is switched to wireless mode.

3. **Network → Internet**, choose **Wireless Access**, click **Scan** to select the Wi-Fi, then leave the password empty, click **Save**



4. Open another page of browser, the authorization page pops up, login with the username & password

▲ **Note:** if the authorization page doesn't pop up, please update the firmware. Please download the firmware from the HooToo website:
http://www.hootoo.com/media/downloads/HooToo-TM02-Auto-jump-button-2.000.018.zip

▲ If you need instructions on how to upgrade the firmware, please refer to page 34.

After upgrading the firmware, please login 10.10.10.254, click **Service**, and select **Auto-jump Service** before selecting **off**. Click **Save**

TripMate is now connected to the internet

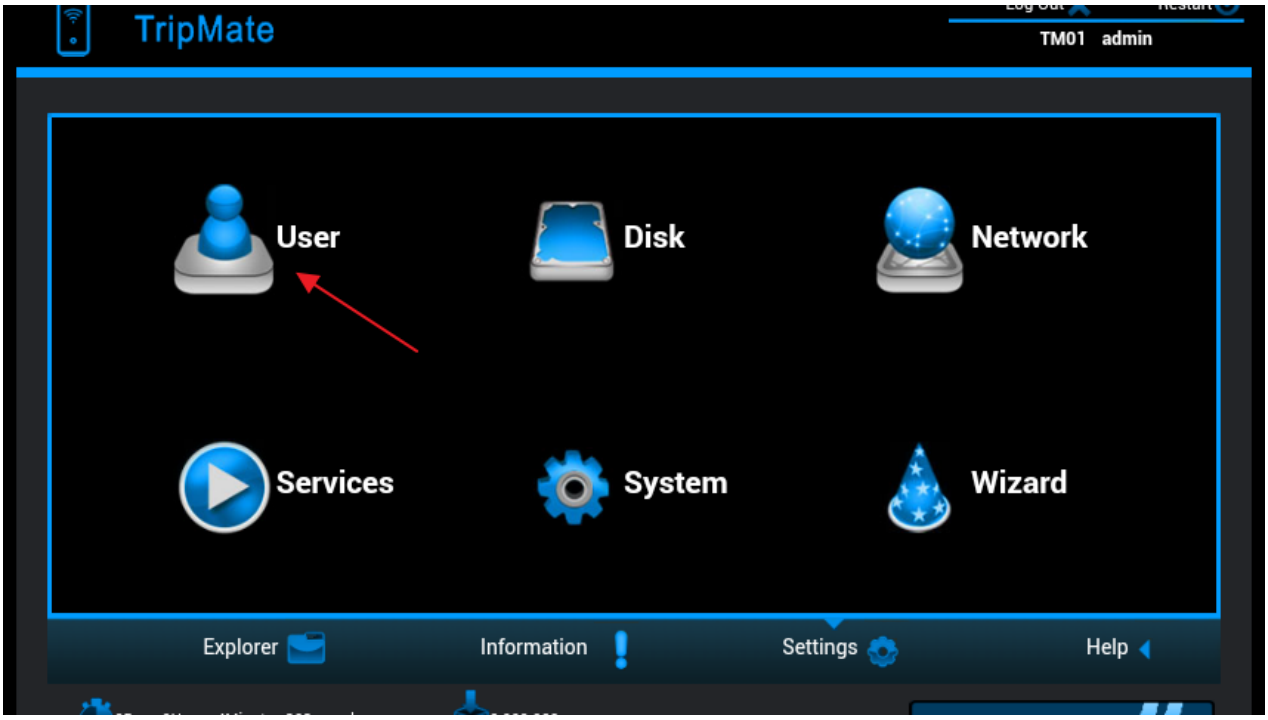
▲**Note**: Please clear the browser cache if the connection failed the first time

Chapter 3 System Tools

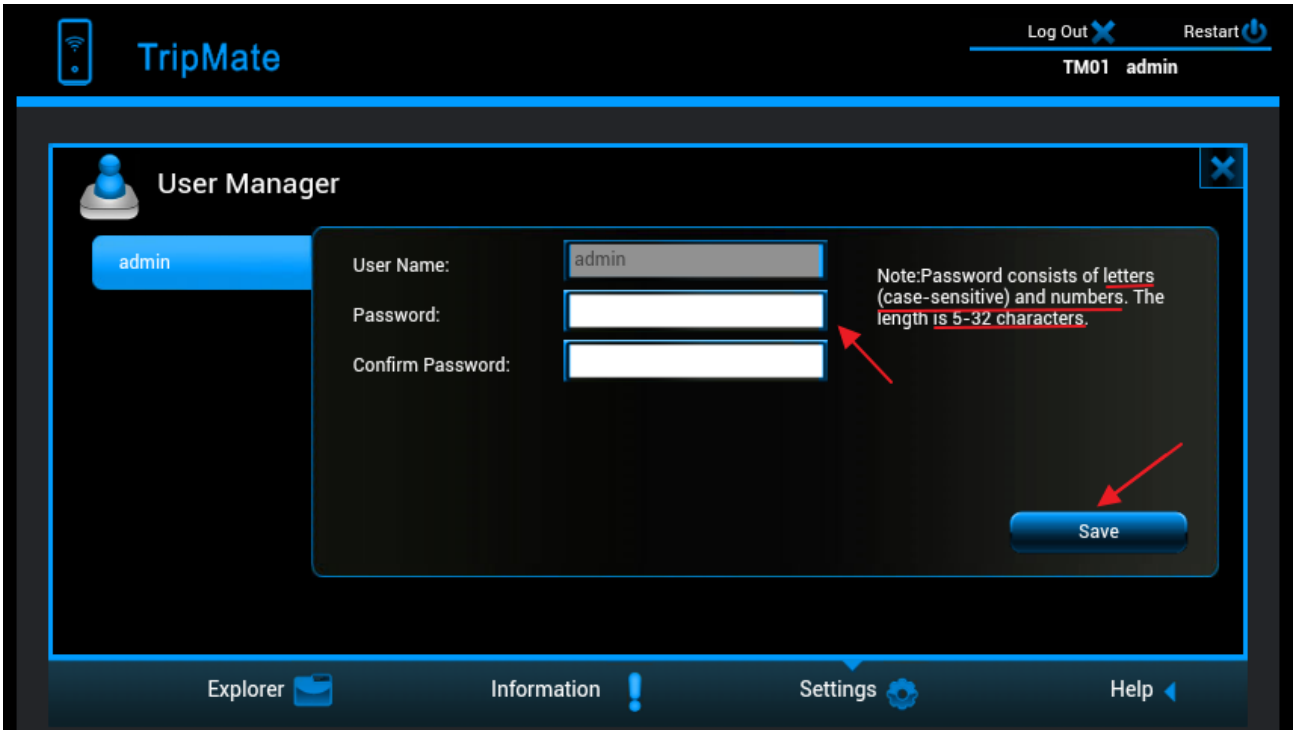
3.1 User Setting

The admin login password can be changed here.

1. Login 10.10.10.254, select **User**

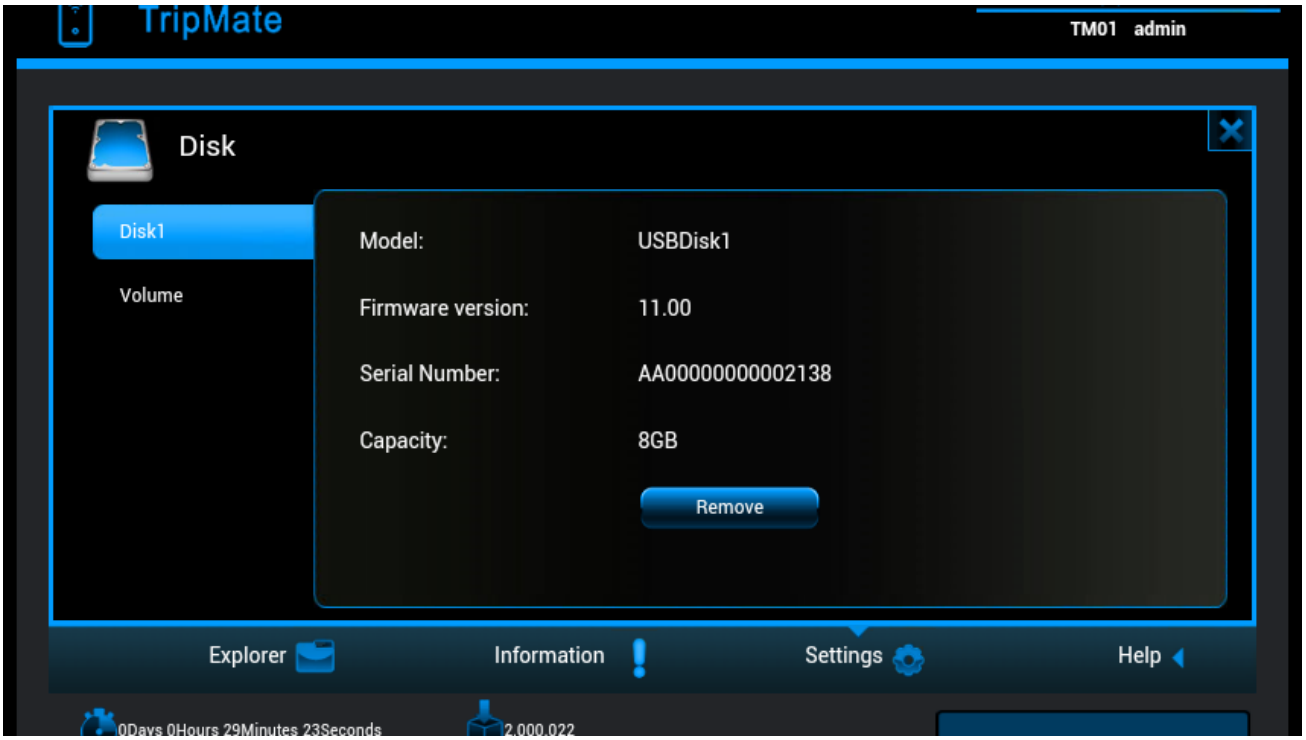


2. Enter your new password and confirm, click **Save**



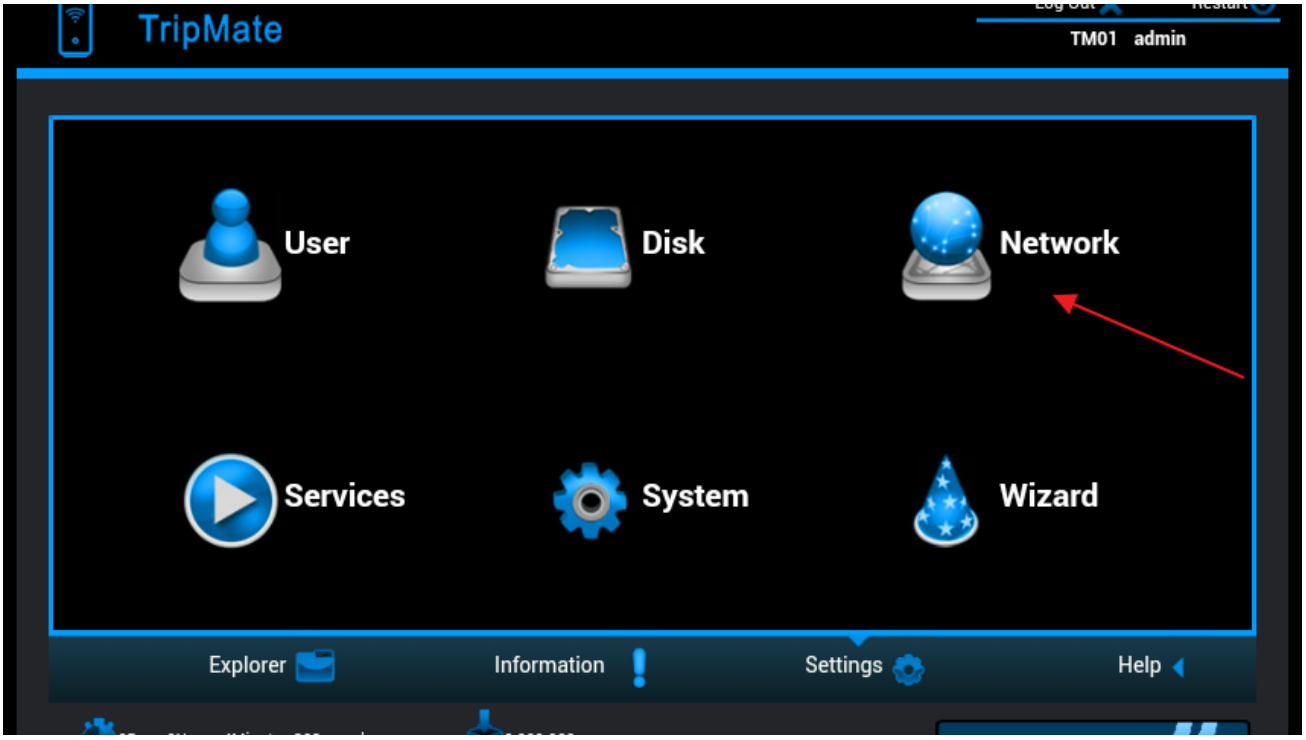
3.2 Disk Information

The basic information for the USB storage is displayed here.
Log in 10.10.10.254, select **Disk**



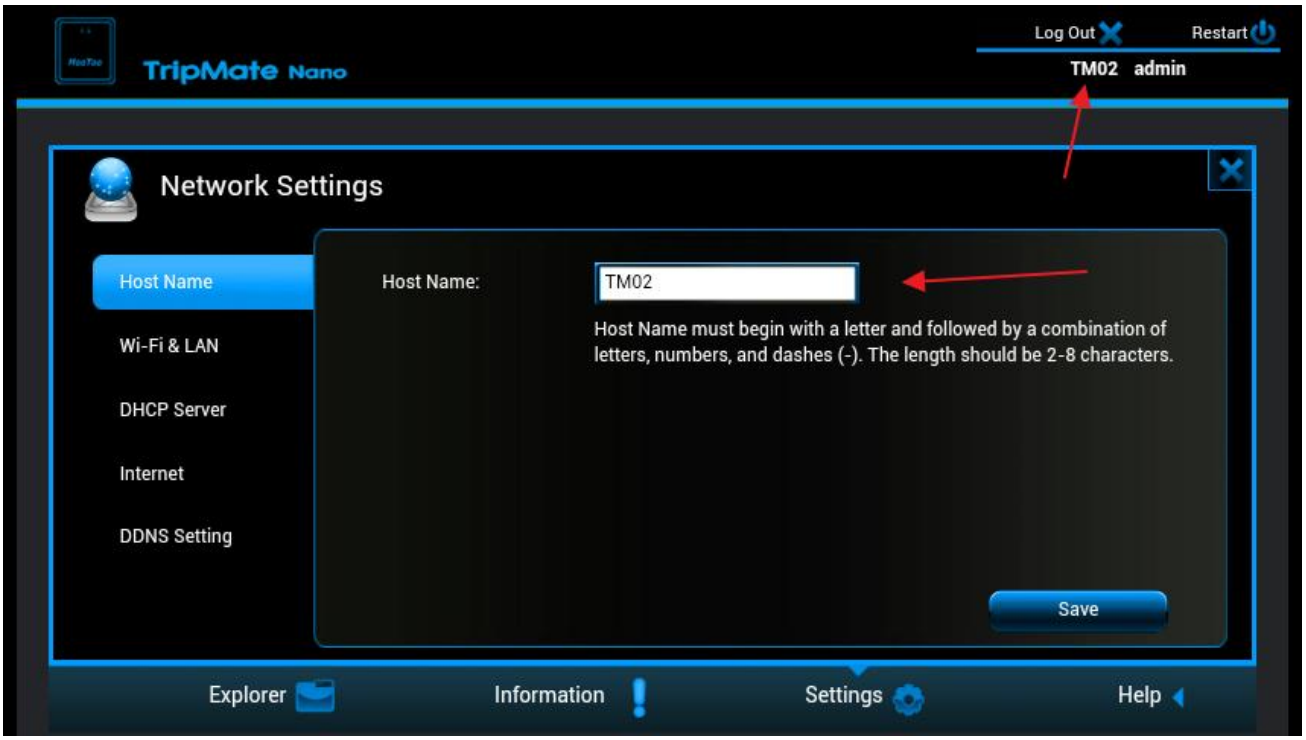
3.3 Network Setting

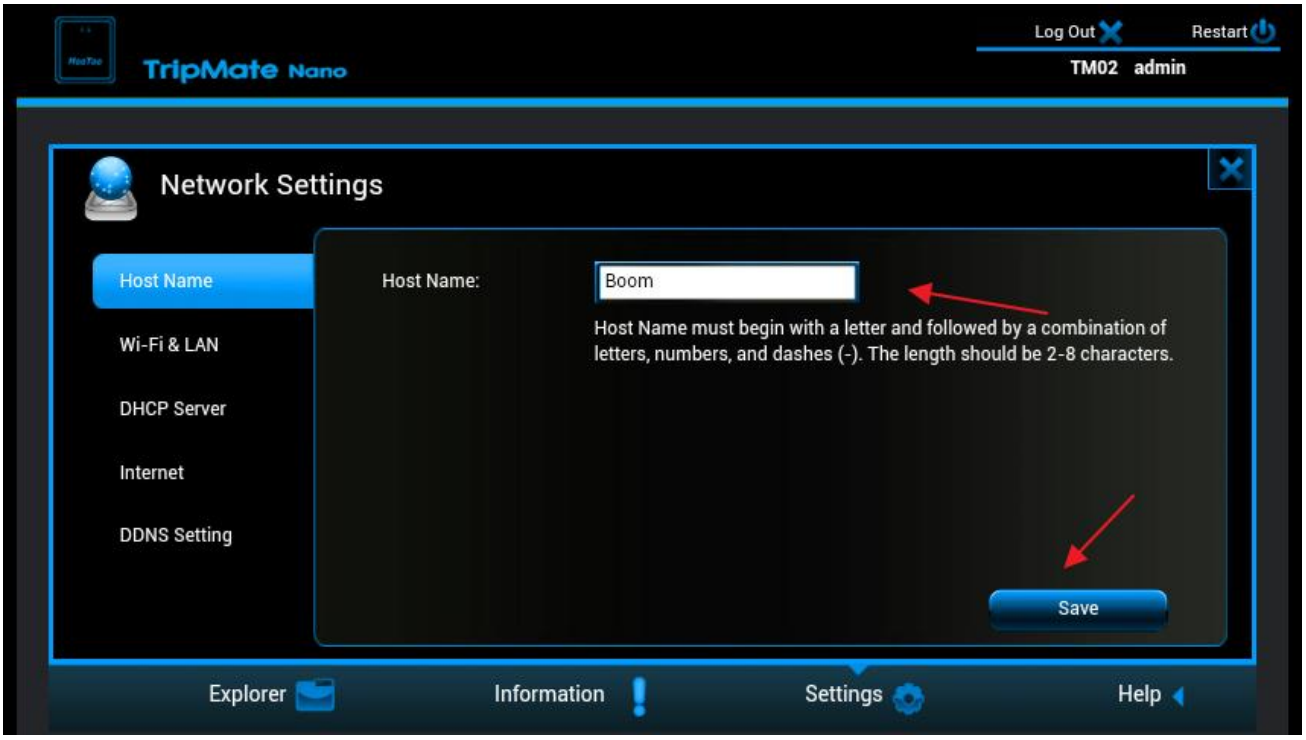
Login 10.10.10.254, click **Network.**



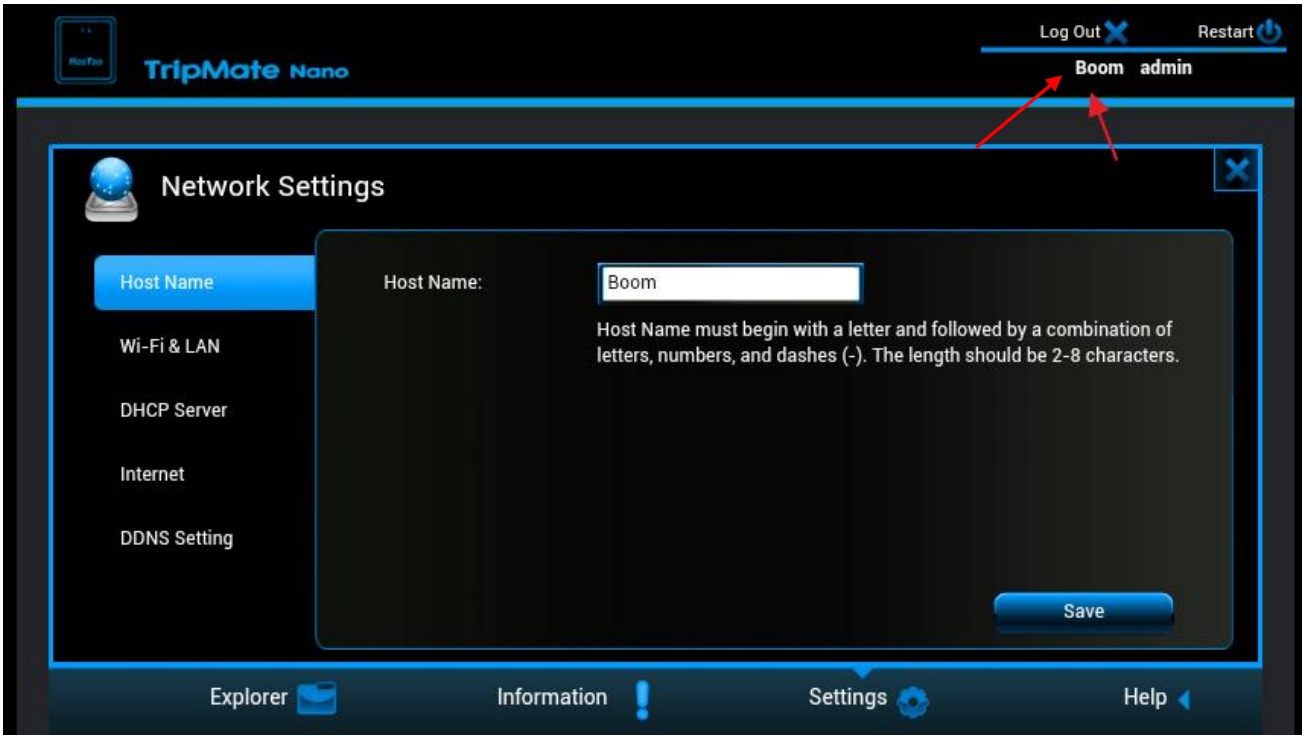
3.3.1 Host Name

TripMate host name can be changed here:
Select **Host Name,** enter the new host name**,** click **Save**





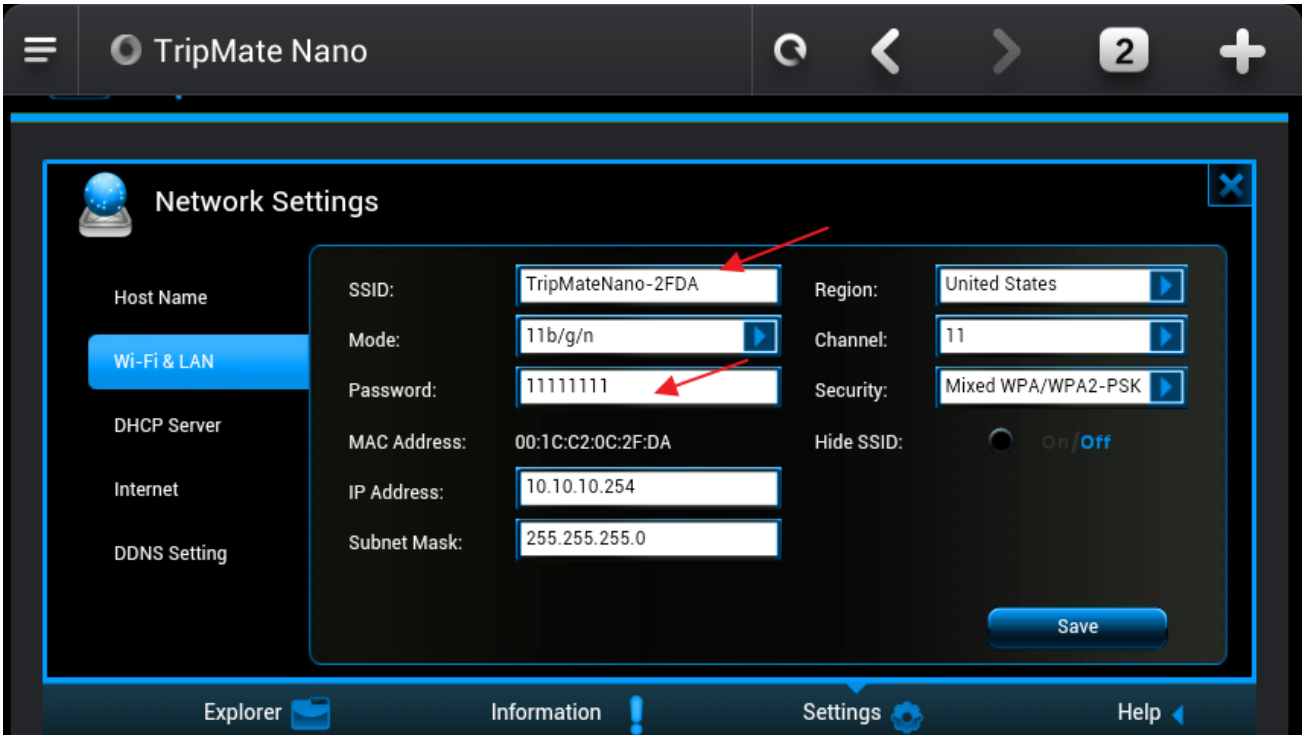
Now the host name is changed.



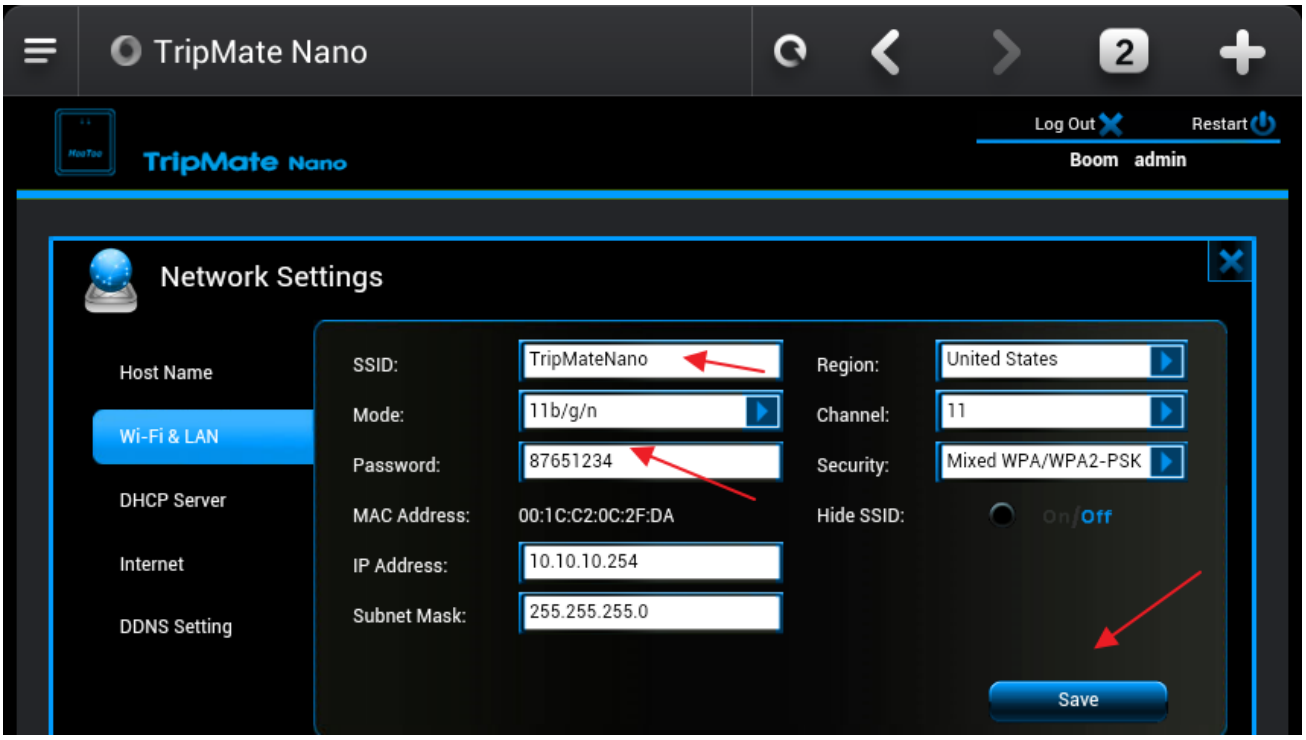
3.3.2 SSID Setting

To change the SSID name and password of TripMate, please follow the steps below:

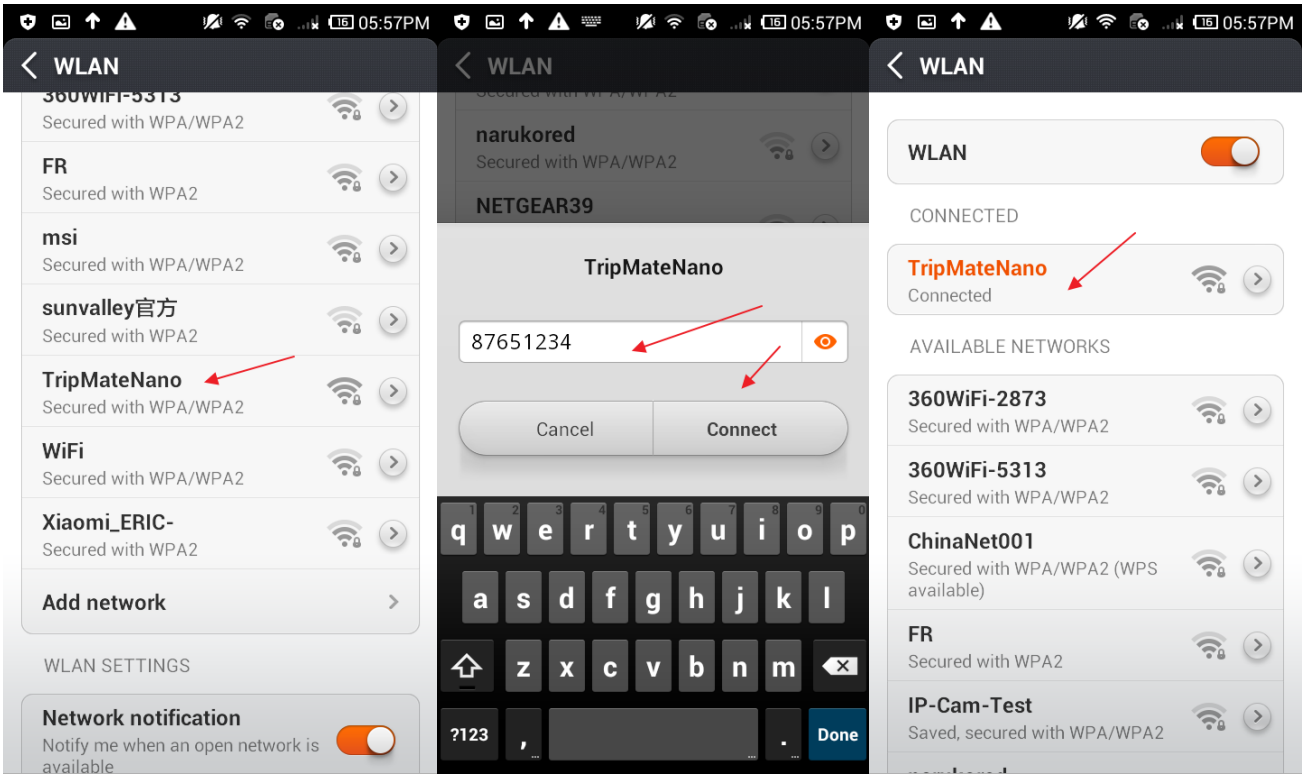
Select **Wi-Fi & LAN**



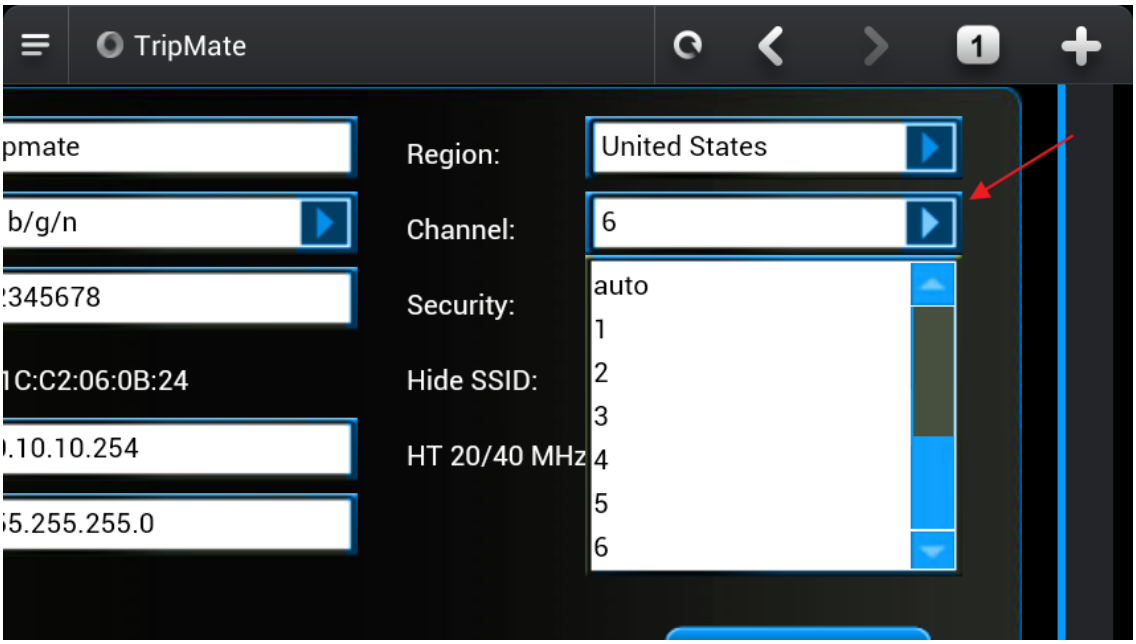
Enter the new SSID name and password. Click **Save**



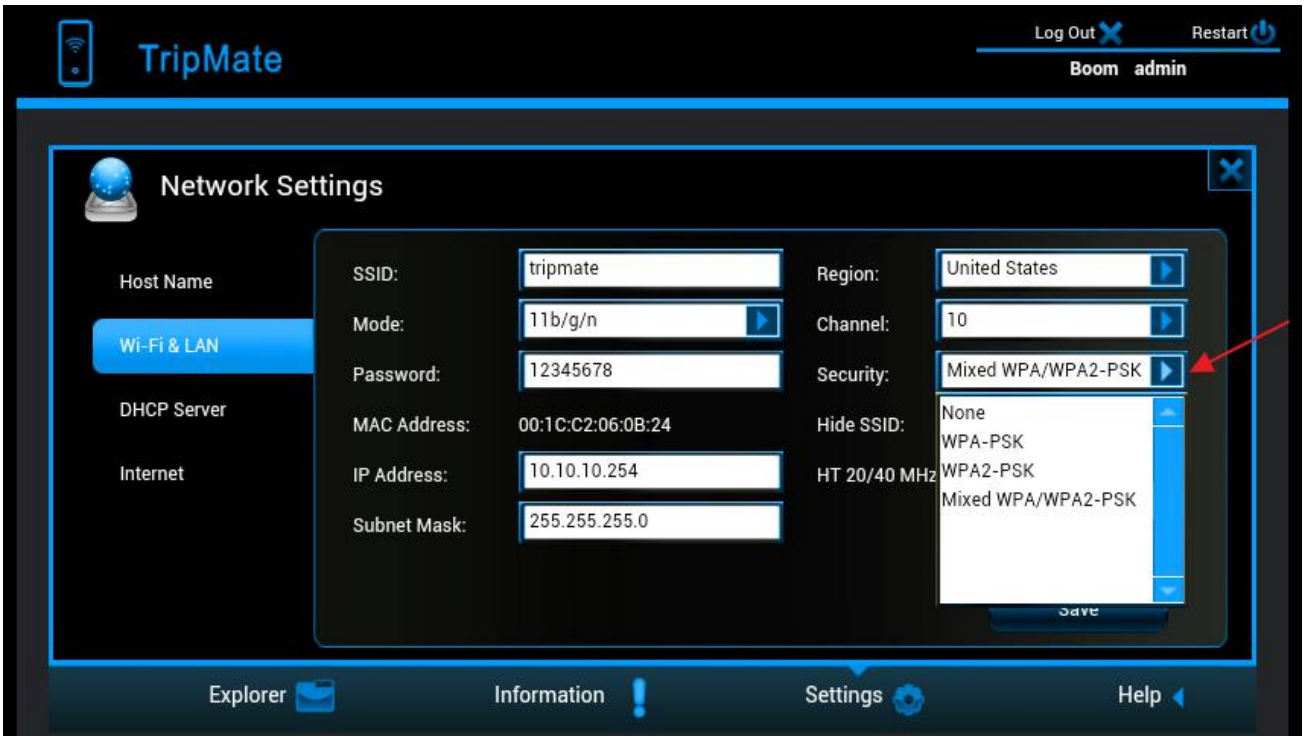
Then reconnect phone to TripMate Nano



▲ **Note:** On this page the **Wi-Fi Channel** can also be changed:

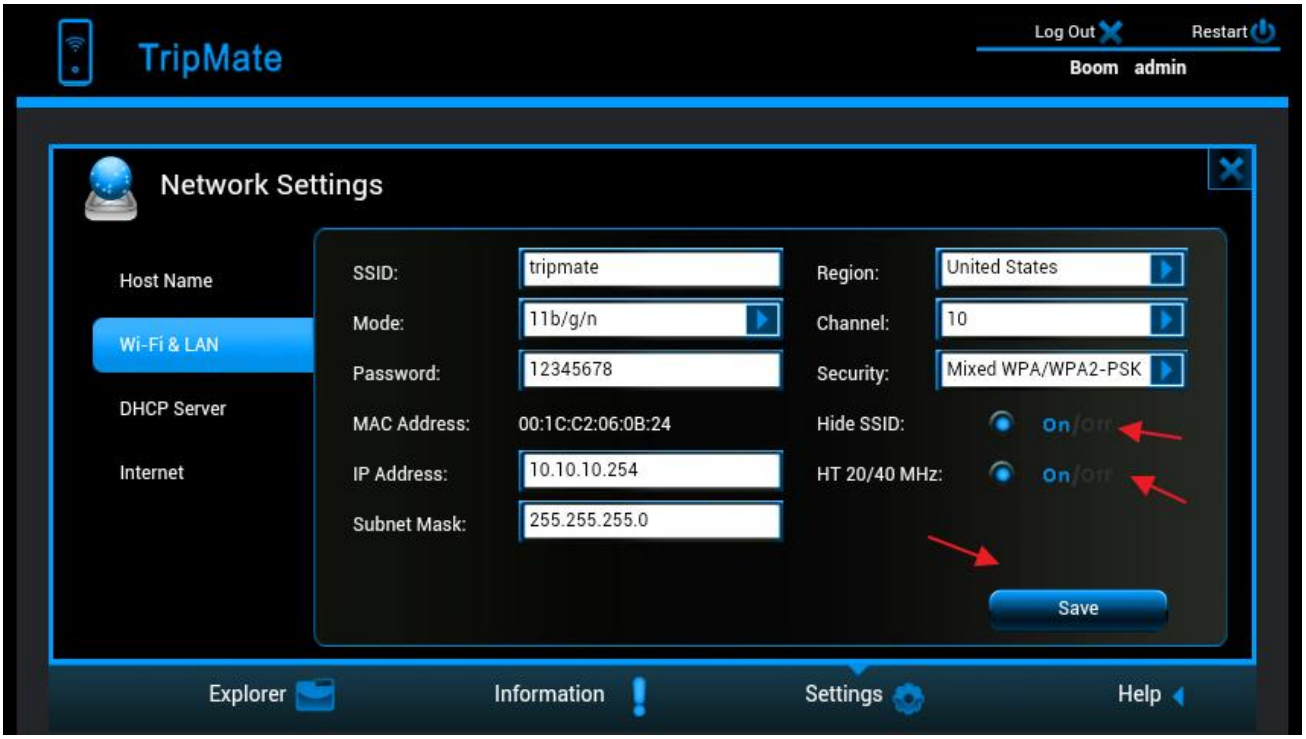


And change the **Security** type:



3.3.3 Hide SSID

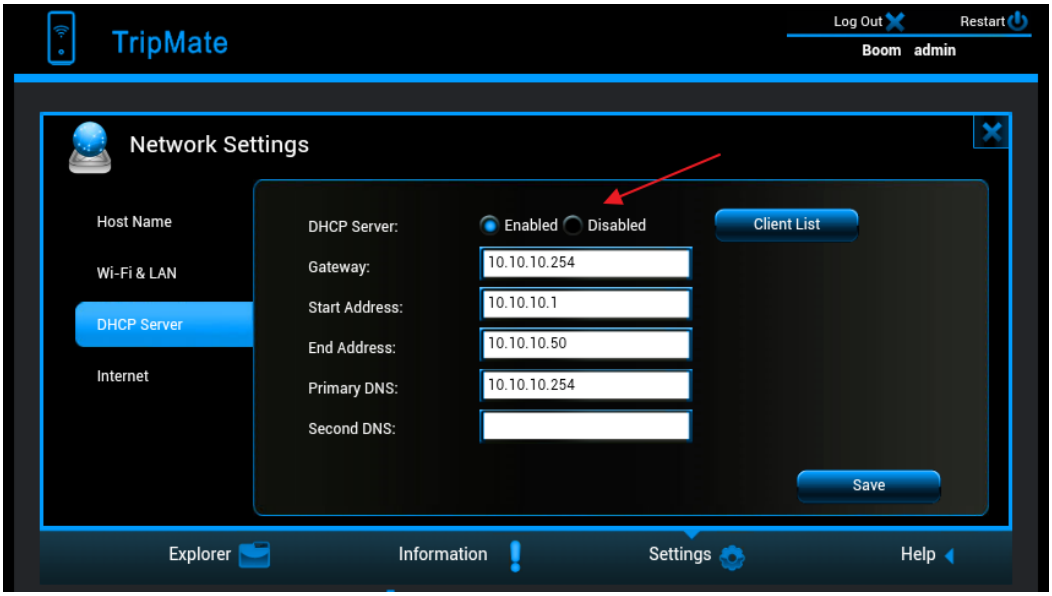
▲**Note**: If you would like to hide your SSID, please make sure you have set up the network setting (wired/wireless) previously, otherwise you will lose the connection to TripMate and will need to reset the TripMate to restore the original settings.



3.3.4 DHCP Settings

Select **DHCP Server**, you can disable the DHCP server. Click **Disabled** → **Save**

▲**Note**: If you turn off the DHCP server, TripMate will **NOT** assign an IP address to your wireless device therefore making them unable to connect to the TripMate. The IP address from your wireless device needs to be inputted manually.

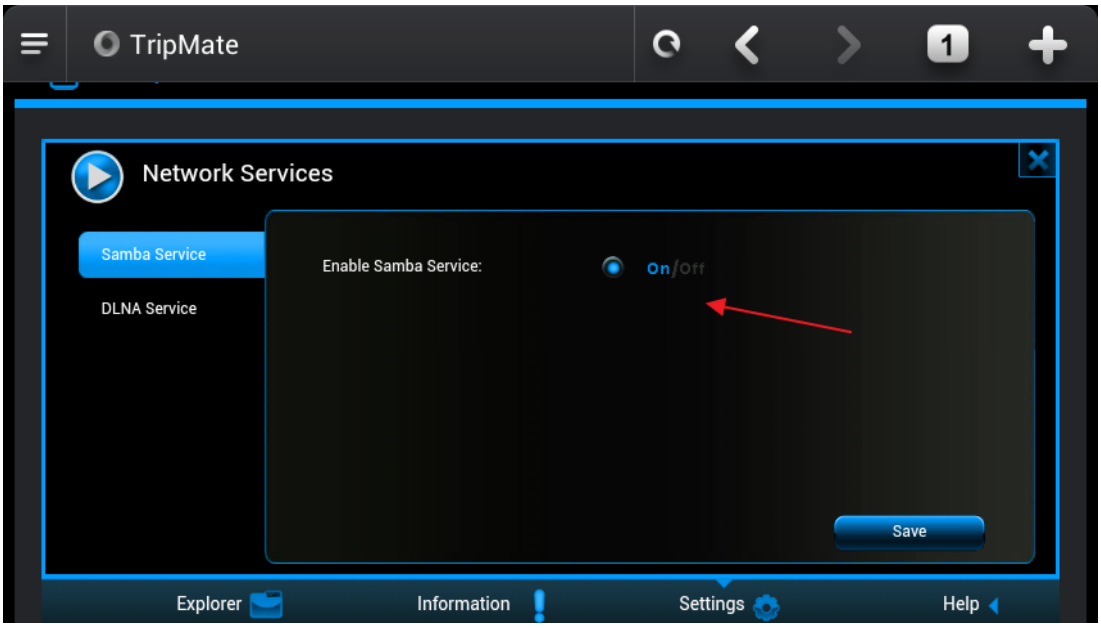


3.4 Service Setting

Login 10.10.10.254, click **Service**

3.4.1 Samba Service

Samba service can be disabled here. The default status is **On**



3.4.2 DLNA Service

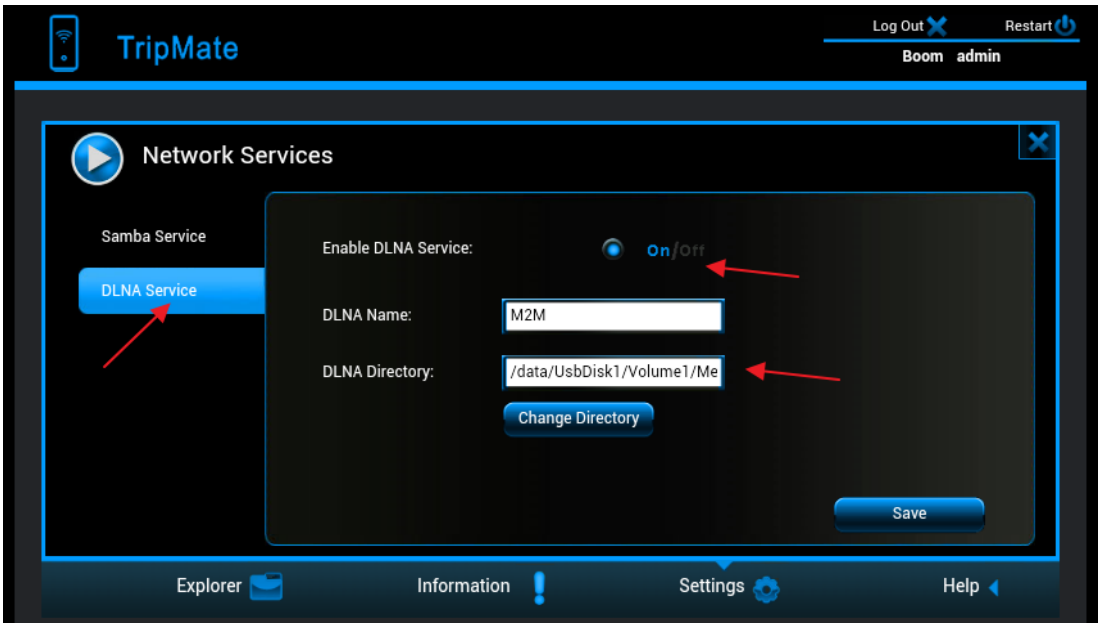
TripMate Nano also supports DLNA service:

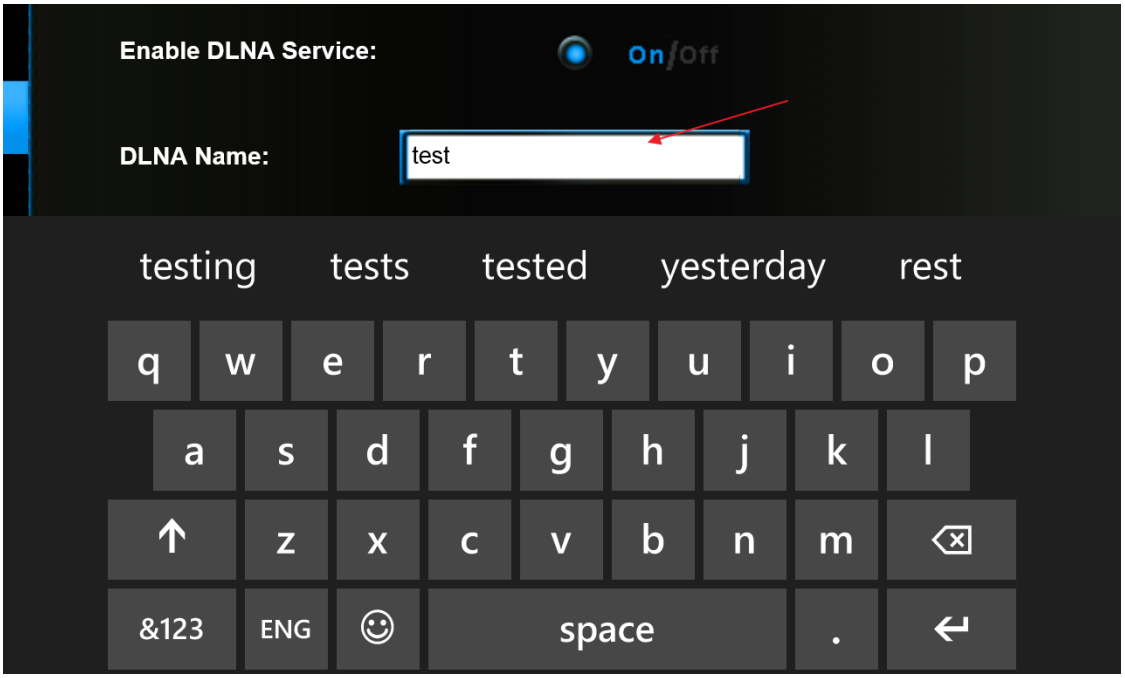
How to use DLNA:

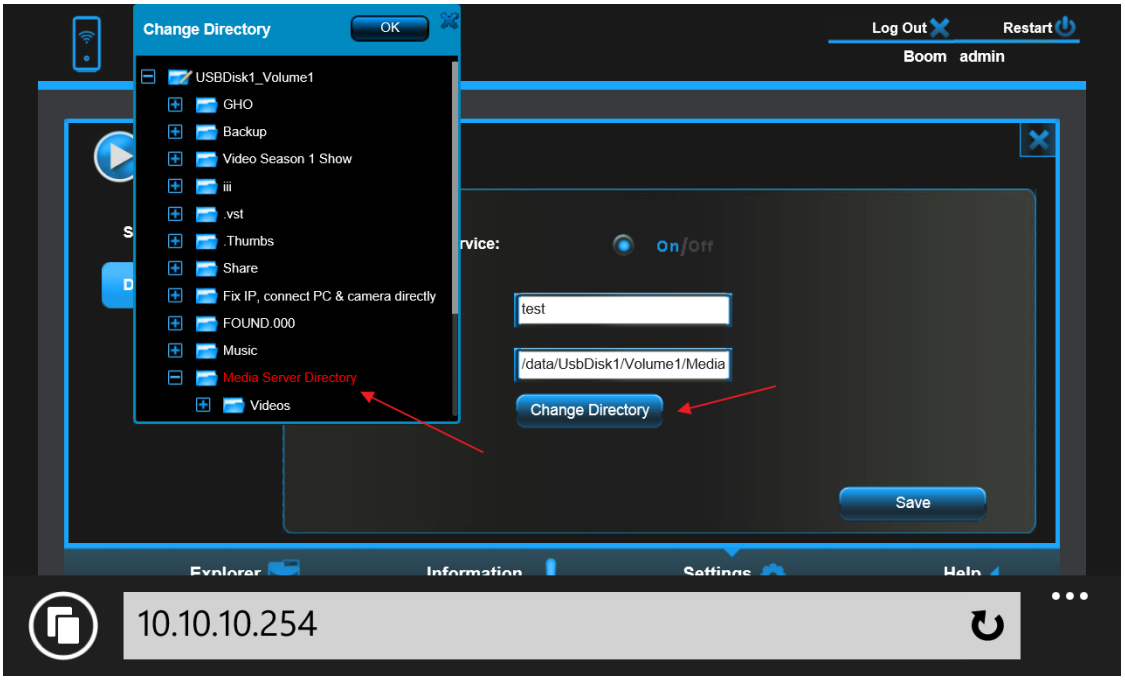
Example: Windows Phone

1. Download an app which supports DLNA service (e.g. My Media Hub) from the Windows app store

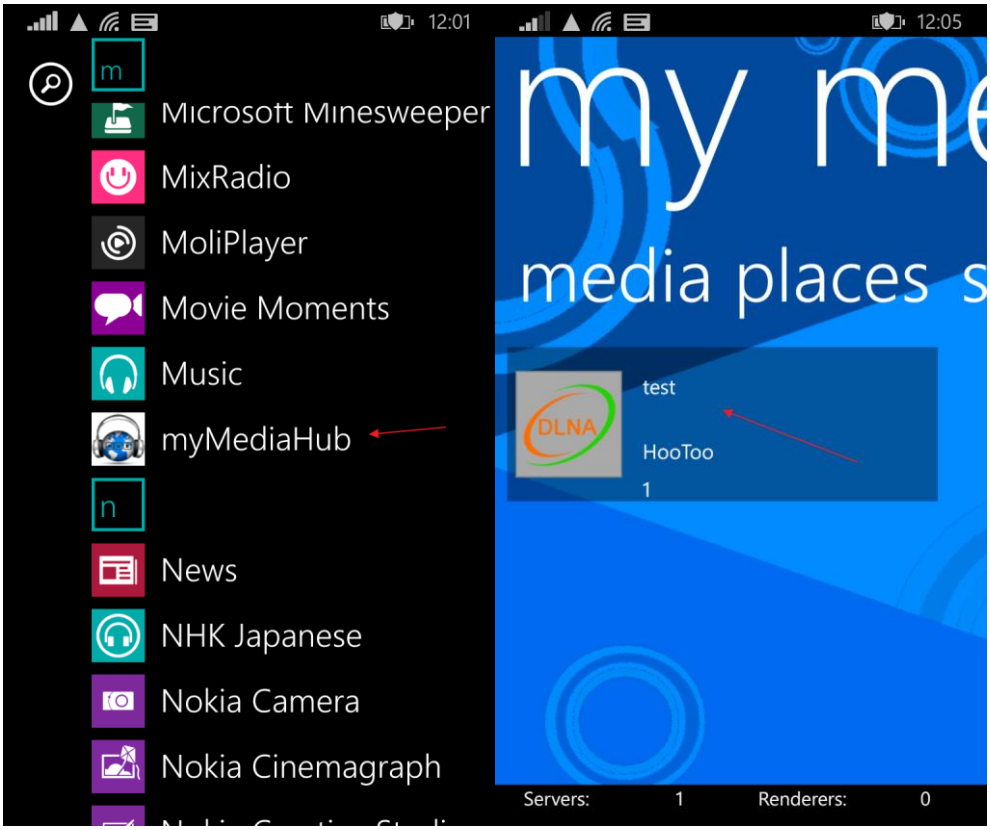
2. Plug a USB drive into TripMate Nano
3. Connect phone to TripMate Nano wirelessly
4. Login 10.10.10.254, click **Service**, select **DLNA Service**. Change **DLNA Name** to *test*; then change the **Directory** (select the folder which you would like to access). Click **Save**


TripMate
Log Out
Restart
Boom admin
Network Services
Samba Service
DLNA Service
Enable DLNA Service:
On/Off
DLNA Name:
M2M
DLNA Directory:
/data/UsbDisk1/Volume1/Me
Change Directory
Save
Explorer
Information
Settings
Help

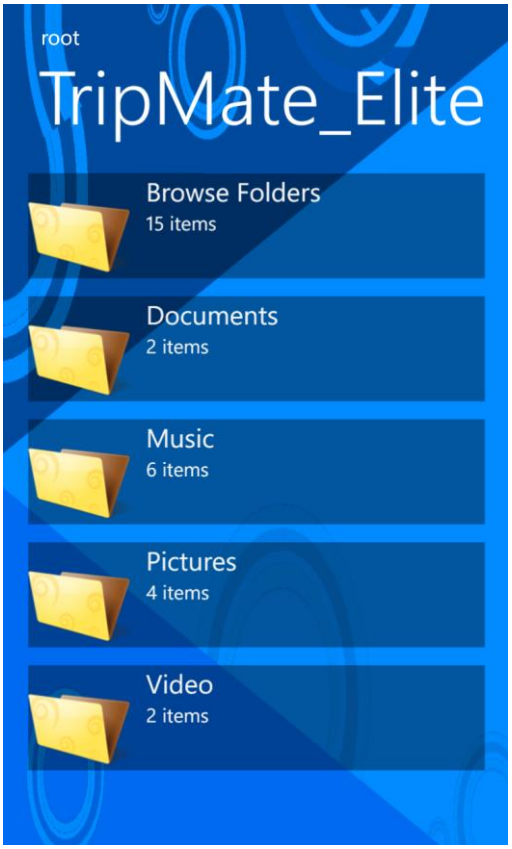

Enable DLNA Service:
On/Off
DLNA Name:
test
testing
tests
tested
yesterday
rest
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
&123
ENG
space
.


Change Directory
OK
USBDisk1_Volume1
GHO
Backup
Video Season 1 Show
iii
.vst
.Thumbs
Share
Fix IP, connect PC & camera directly
FOUND.000
Music
Media Server Directory
Videos
Log Out
Restart
Boom admin
On/Off
test
/data/UsbDisk1/Volume1/Media
Change Directory
Save
Explorer
Information
Settings
Help
10.10.10.254

5. Open the app **My Media Hub**, the server named “test” refers to the TripMate.



6. Entering “test”, the contents of the selected folder of the USB storage device can be read under the folder **Browse Folders**



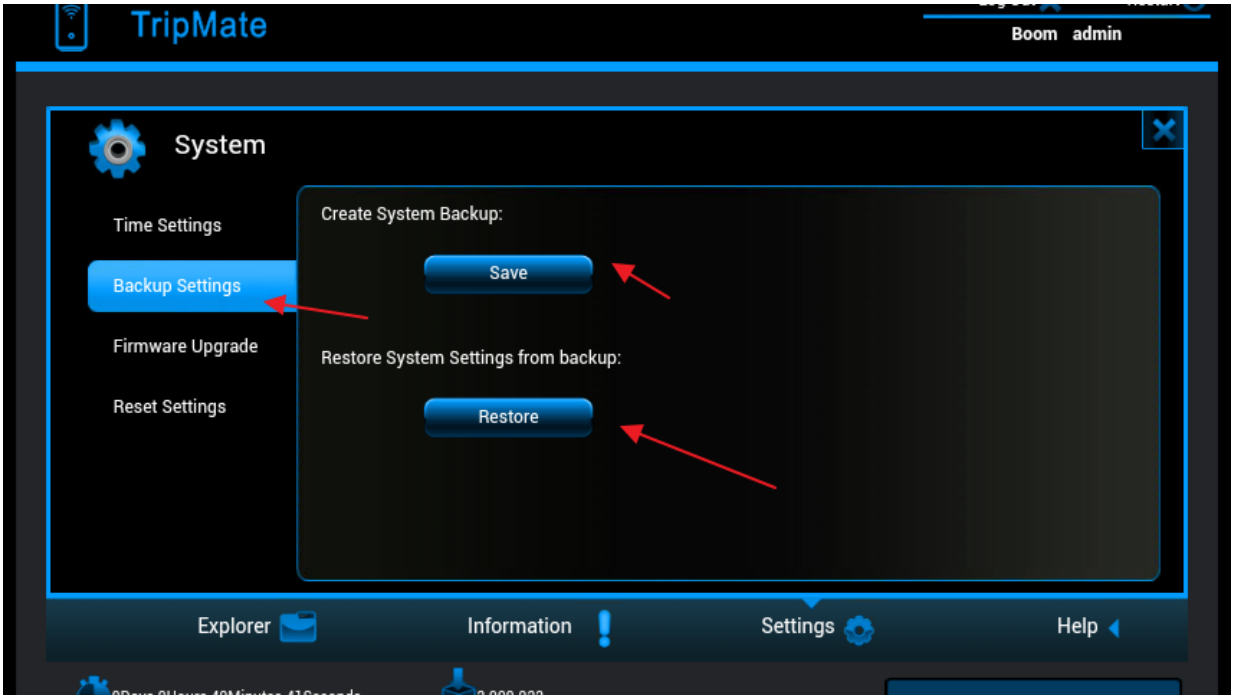
▲ **Note**: A wireless device which supports DLNA service is needed

3.5 System Settings

Login 10.10.10.254, click **System**

3.5.1 Backup & Restore

Select **Backup Settings**. Here you can save the current configuration of the TripMate as a backup file or restore the configuration via a backup file.



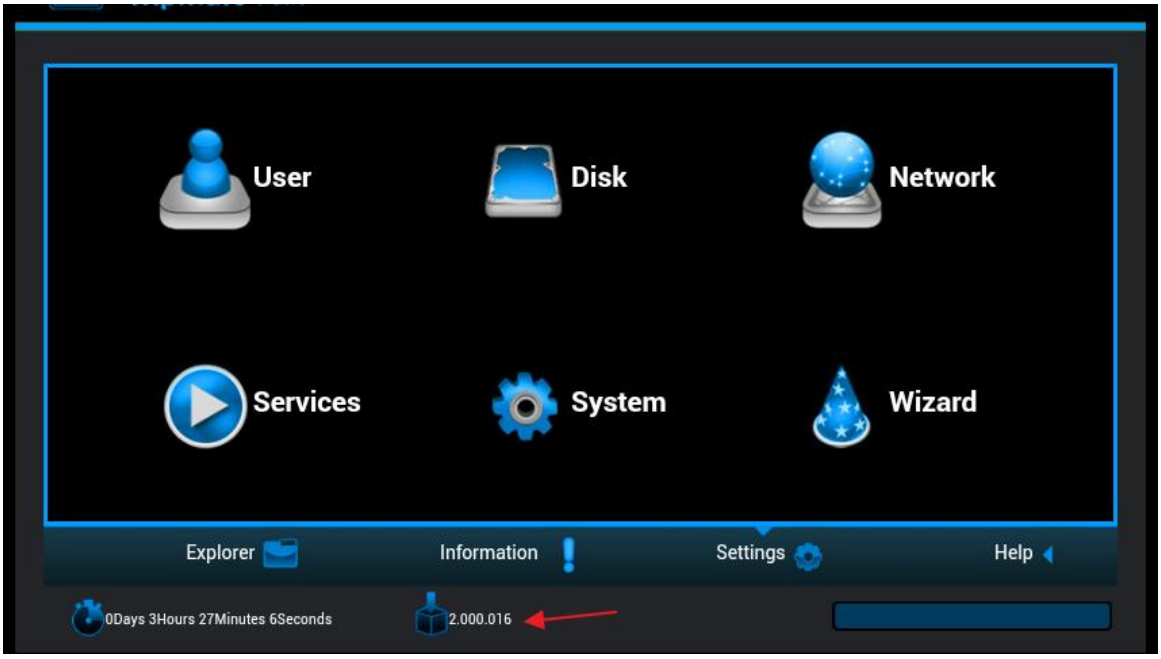
➢ Click **Save** to save all configuration settings as a backup file in your local computer.

To restore the TripMate's configuration

- Click **Restore** to locate the backup file for the TripMate

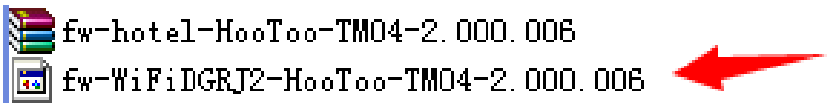
3.5.2 Firmware

On the bottom of the interface, you can view the current firmware version.

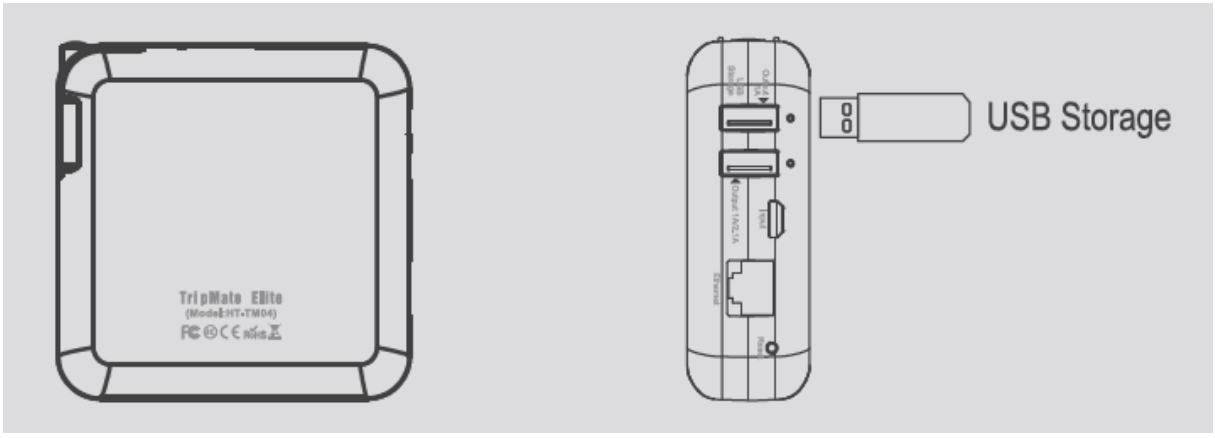


To upgrade the firmware, please follow the steps below:

1. Download the firmware from the Hootoo website: *www.hootoo.com*
2. Unzip it

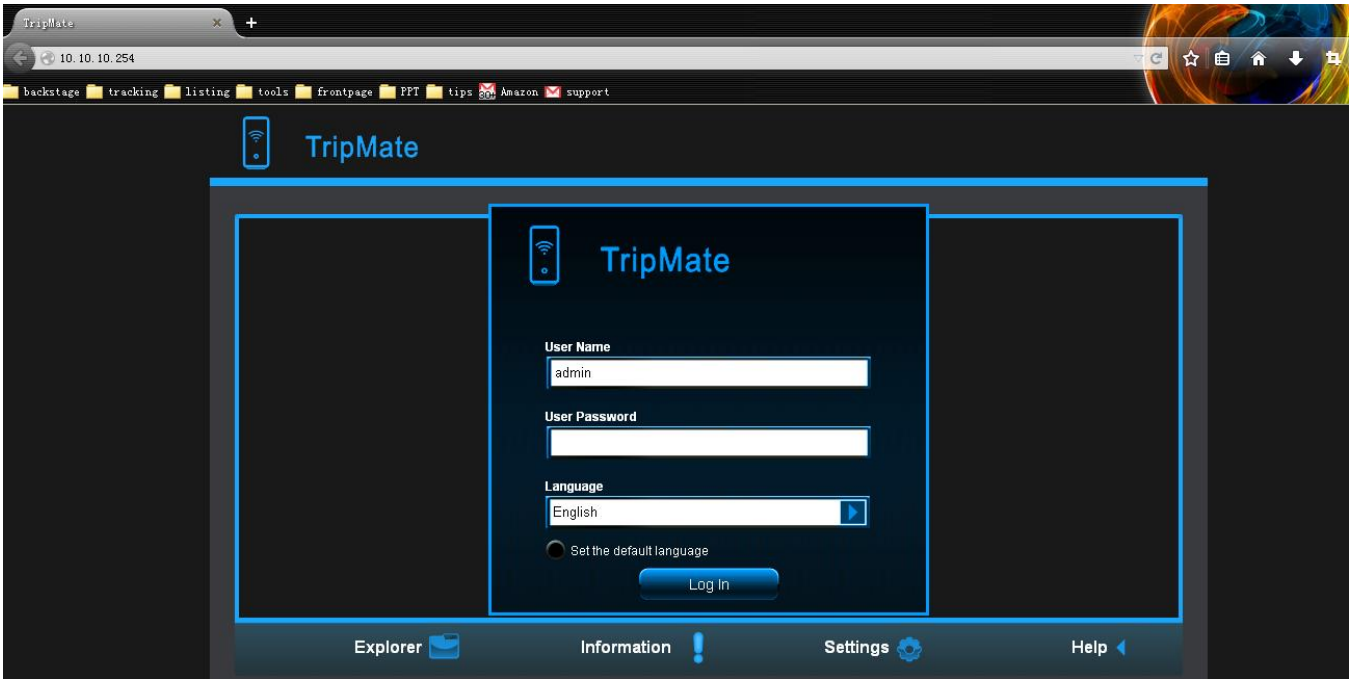


3. Insert a USB storage device into your TripMate (i.e. an external hard drive or a USB flash drive)

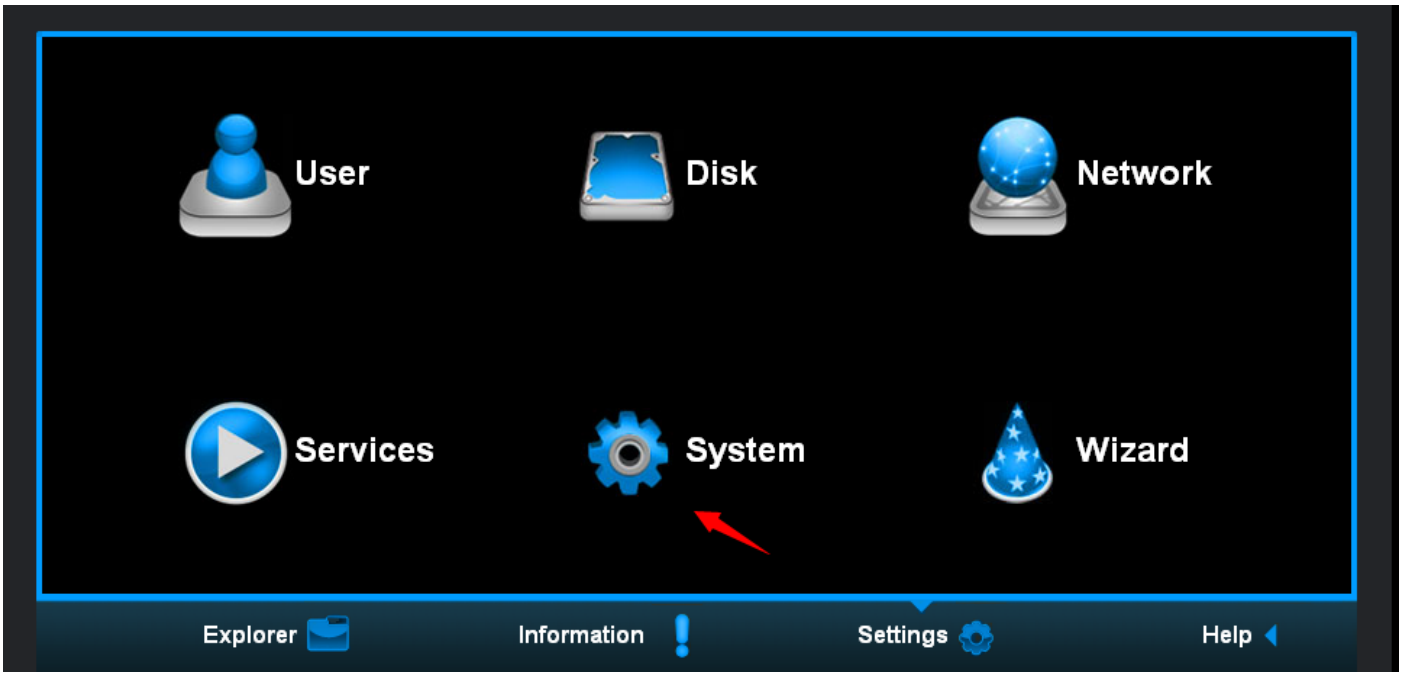


4. Connect to TripMate wirelessly
5. Open a browser and enter 10.10.10.254

Login to the page, default user name: admin; password: "leave the password blank field empty"

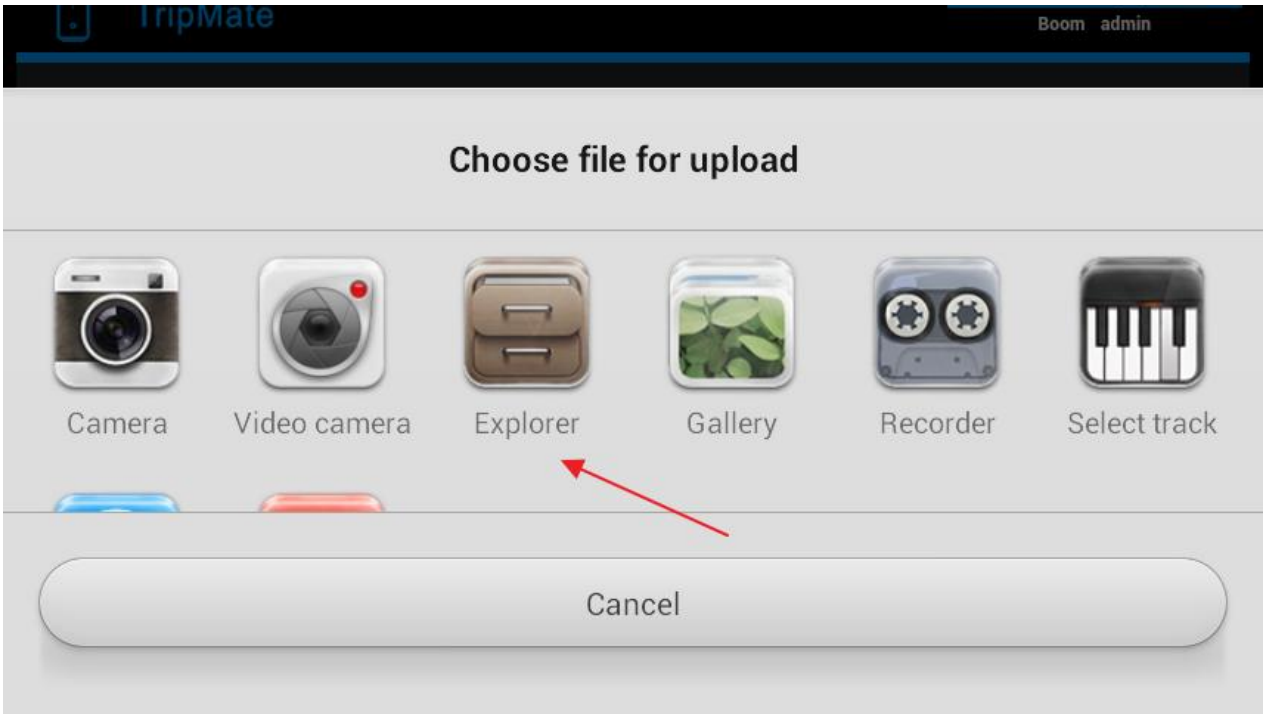


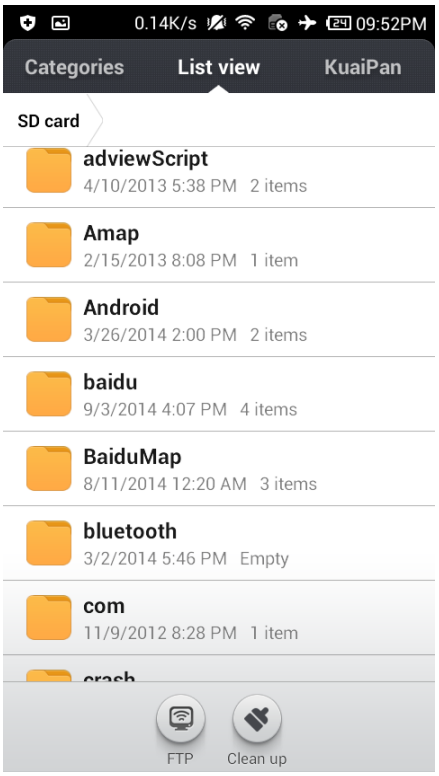
6. Click **System**



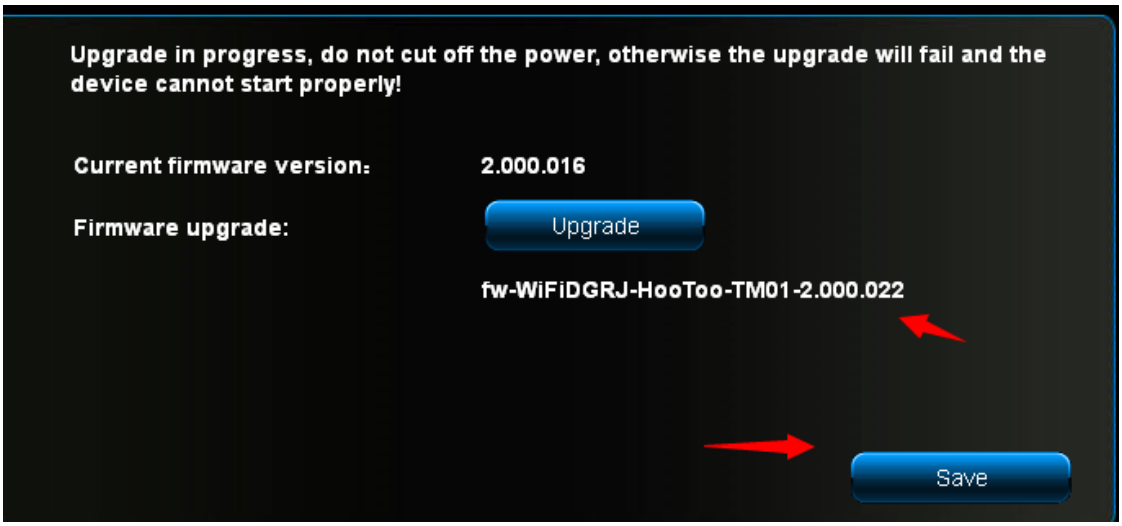
7. Click **Firmware Upgrade** on the left-side tab, Click **Upgrade**

8. Browse and select the exact file from step 3

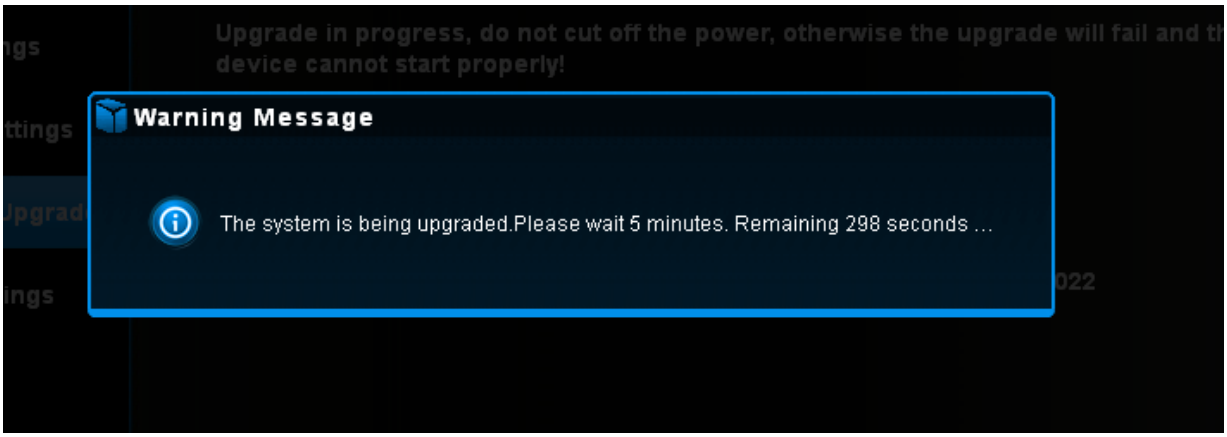




Click **Save**



You will be prompted to wait 5 minutes while the system updates. After the system has updated, you will have successfully updated the firmware.



3.5.3 Factory Default

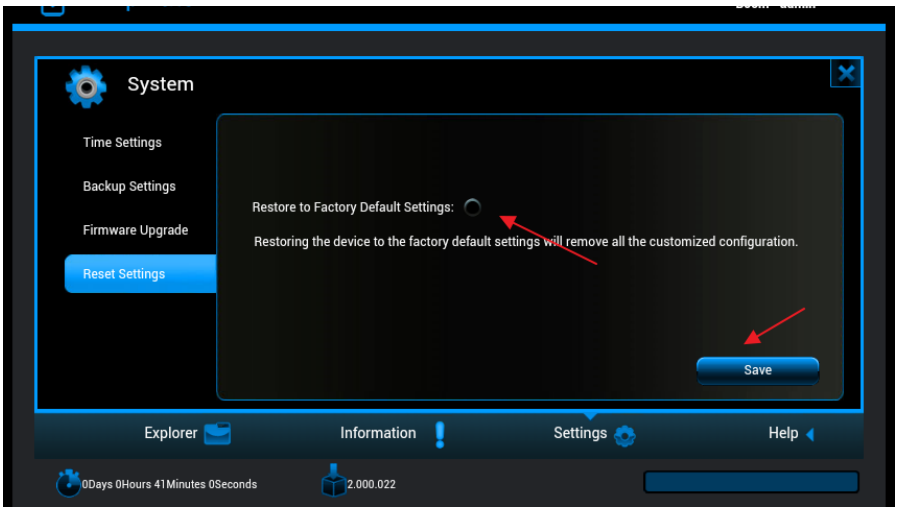
There are two ways to reset TripMate Nano:

1. Hard Reset:

Use a needle-like object to press the reset button found next to the USB port; hold for 10 seconds until the Wi-Fi indicator LED blinks, release it and wait for it to reboot.

2. Restore Factory Setting:

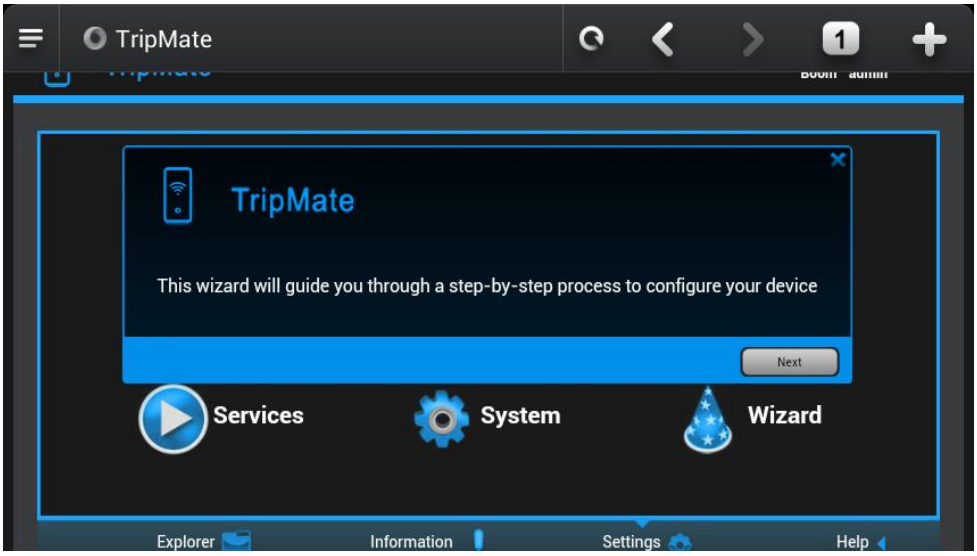
On the computer, click **Reset Settings** to **Restore to factory default settings** → **Save**, wait for it to reboot.



▲ **Note:** This will reset all configuration settings to their default values.
The default SSID Name: TripMateNano-XXXX
The default SSID Password: 11111111(8 x 1's)
The default User Name: admin
The default Password: blank (leave it empty)
All changed settings will be restored to their factory default settings

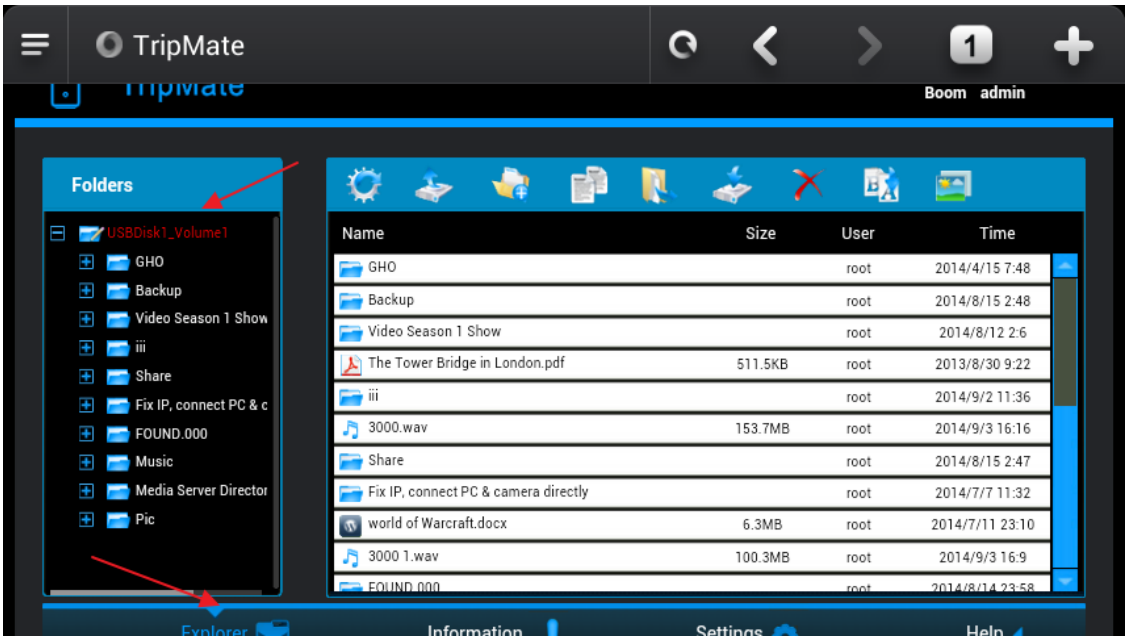
3.6 Wizard

Click **Wizard**, you will be directed to step-by-step basic configuration guide.



3.7 Explorer

Login 10.10.10.254→**Explorer**, here you can overview the contents of your USB storage when plugged into the TripMate (the Hootoo TripMate app is needed to read the USB storage device)



Refresh Button – To refresh the display

Upload Button – To upload the files in your PC/Laptop to USB External Storage

Create Folder – To create new folders on you USB External storage devices

Copy Button – To copy files and paste them into another folder

Cut/Move Button – To move files and paste them into another folder

Download Button – To download files to your PC/Laptop

Delete Button – To delete the files you do not need any more

Rename Button – To rename files or folders

Photo Viewer – To view the photos on one folder with slide

Chapter 4 Warranty and Support

This HooToo HT-TM02 Tripmate Nano is covered with the HooToo 12 month warranty from the date of its original purchase. If the HooToo HT-TM02 Tripmate Nano becomes defective during its warranty period, please contact HooToo or your seller for warranty cover. The following are not covered by our warranty:

- 2nd hand purchase or purchase from a non-authorized seller/distributor
- Damages resulted from abuse, fire, poison and moisture
- Damages resulted from natural disaster
- Product been dismantled

Note: Successful product registration at www.hootoo.com/productregistration will add an additional 6 month of warranty cover, making a total of 18 months warranty cover from the date of original purchase.

▲**NOTE**:

- Please do not return the product without contacting HooToo first
- We can only provide warranty cover for products sold by HooToo authorized distributor

Appendix A: Specification

Hardware Specification

Project name	TripMate Nano	
Model name	HT-TM02	
CPU	Model	Ralink RT5350
	Frequency	MIPS24KEc 360MHZ
Flash	Model	EN25Q64-104WIP
	Capacity	8MByte SPI flash
SDRAM	Model	M12L2561616A-6TG (SDRAM)
	Capacity	32MB (256Mbit)
WiFi	Standard	802.11 b/g/n
	Frequency	2.4GHz
	Speed	72Mbps for 20MHz 150Mbps for 40MHz
Interface	WAN LED (Green)	Green: connection is successful None: connection is failed
	WiFi LED (Blue)	WiFi LED shows the system initiating state: Start flashing: Kernel loading in process Stop flashing: System initiation completes
	Switch button	Switch the connect mode: Wireless /Wired
	WAN port	RJ45 100Mbit/s
	Reset button	Factory default reset button
	USB host interface	USB 2.0: Support USB flash/HDD
Antenna	Signal strength	2dBi (WiFi component) 14dBm (Main chip)
Environmental requirements	• Operating Temperature: 5°C to 40°C • Non-Operating Temperature: 0°C to 60°C • Operating Humidity: 5% to 90% (Non-condensing) • Non-operating Humidity: 5% ~ 90 % (Non-condensing)	
Product dimension	56mm L x51mm W x 1mm H	
Emission (EMI), Safety & Other Certifications	• FCC Class B • CE	

Software Specification

System setting	Language selection	To select your native languages
	Firmware upgrade	To upgrade firmware by web browser
	Configuration setting	To backup and retrieve system configuration setting
	Factory default setting restore	To restore default system setting originated in factory production
File system	NTFS	A) Support Microsoft Windows NTFS file system B) Application tools: • Tuxera NTFS tool for mounting file system • NTFS file system inspection and repair tool
	FAT16/FAT32	A) Support Microsoft Windows FAT16/FAT32/exFAT file system B) Application tools: FAT file system inspection and repair tool
File service	CIFS protocol	Provide shared services to files and printers for clients on Microsoft Windows Network
	Samba service	Provide shared services to files and printers for clients on Microsoft Windows Network and Unix-Like Network
HTTP(S) service	OS	A build-in browser which support common operation system such as Windows, Linux, Mac® OS and smart terminal for easy management
	WebDAV protocol	Makes the Web a readable and writable medium which allow users to edit and manage documents and files stored on World Wide Web servers
Access control	Password protection	A) WiFi access control: • None • WPA • WPA2 • WPA&WPA2 B) WEB access control • Password login C) Samba access control • Password login Default security: A) Authentication needed with password 11111111 B) No authentication C) No authentication

Network Management	WiFi setting	A) WiFi login history cache B) WiFi auto login A) Available wireless networks display
	LAN side setting	A) Camper IP setting B) Subnet mask setting C) DHCP server setting D) Default gateway setting E) Default DNS setting
Application software	Client	A) Windows XP/2003/Vista/7/8, Linux, Unix, Mac® B) Android: tablet, smartphone C) iOS: iPad®, iPhone®
File Formats	iOS Client	A) Audio: Support formats of ***MP3***、***AAC***、***m4a***、***wav***、***aiff*** B) Video: Support formats of ***MP4***、***MOV***、***m4v***、***avi*** C) Photo: Support formats of ***jpg***、***tiff***、***bmp,gif(image)*** D) Document: Support formats of ***keynote***、***numbers***、***page***、***excel***、***word***、***pdf***、***txt***、***ppt***
	Android Client	A) Audio: Support formats of ***MP3*** only at present B) Video:***MP4*** C) Photo: Support formats of***.jpg***、***.png*** D) Document: Support formats of ***txt***、***word***、***excel***、***ppt and pdf***