TRIPonist Car Mirror N2P900

Smart Vehicle Surveillance & Security System

User manual

Version 3.0

Welcome

N2P900 combines world-class performance with a 5-inch display that integrates Live Streaming, GPS Tracking, GPS, Navigation, Two-channel DVR, Android system, Bluetooth, Wi-Fi etc.. As your silent witness in-car, N2P900 would record important footage to offer you maximize protection.

Ready to read up on your N2P900? Get started with the following guidance.

Before use

1. This device should be connected with a 5-volt general charger or a 12⁄24 volt vehicle power system (must be grounded).

2. Do not install the unit onto position that would block the vision or operation of the drivers.

3. For safe driving, the driver must not watch TV program or operate the unit while driving.

4. Do not replace the power fuse without professional guidance.

5. Please avoid strong impact as the device consists of high-precision components. Do not disassemble or adjust any inner part. If you have any questions, please turn off the device and notify your local vendors.

6. Do not scratch the mirror with sharp materials.

7. Do not use anything that contains alcohol or corrosive dilution to clear the screen. 8. Prevent the device from places that is too hot or too cold. Storage temperature:–30°C~ 80°C, operating temperature: -20°C~70°C.

9. Do not expose the unit to moisture, dust, vapors, fumes, direct sunlight or related environment.

10. When installed Third party APK, the App might not work well due to compatibility difference, which might even cause constant reboot. It’s not a functional error of the device.

N2P900 At a glance

Packing List

Host

Cigarette charger

Screw driver

Straps

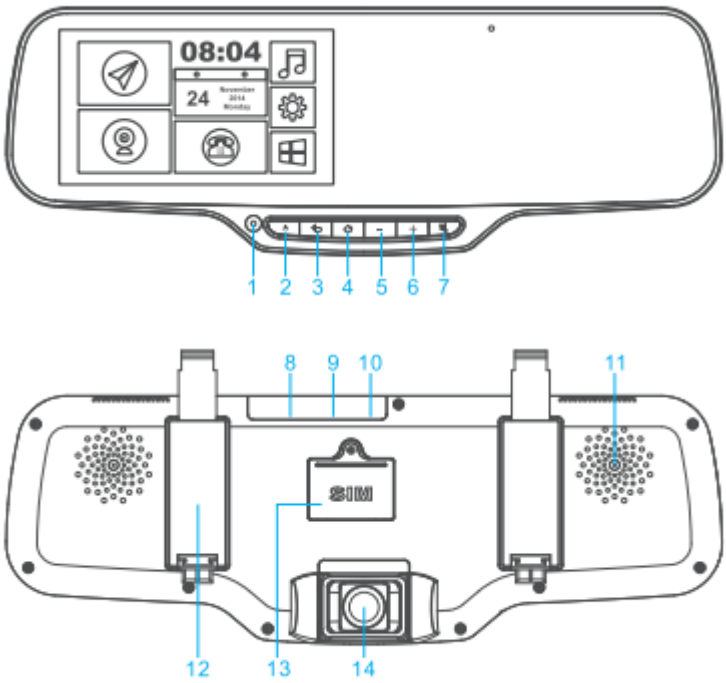
User manual

Reverse cable (optional)

Rearview camera (optional)

Power cable (optional)

Interface



1. Inward camera	2. Power	3. Back
4. Home	5. Volume-	6. Volume+
7. Mute	8. Audio interface	9. USB interface
10. TF card slot	11. Speaker	12. Strap base
13. SIM card slot	14. Front camera	

Function of buttons

1) Power

Press and hold the button to power on/off the device.

Press the button to switch wake/sleep mode.

2) Return

   Press the Back button to go back to previous page.

3) Home

   The Home button takes you to the Home Screen and provides other convenient shortcuts.

   On the Home Screen, tap any app to open it.

4) Mute

   Press the Mute button to silence the device.

5) Volume

   Adjust the volume of the device.

Specification

Category	Item	Specification	Remark
Chipset	CPU	ARM Cortex A7 Quad-Core 1.3GHz	MT6582
	OS	Android 4.4	Android 4.4 open source system
	Flash	eMMC Flash 8G	
	RAM	DDR3L 1GB	Frequency 533MHz
	Band	GSM & WCDMA	GSM 850/900/1800/1900 WCDMA 850/1900/2100 HSPA+(21Mbps) EDGE GPRS
Function	Live Streaming	Operated via APP	Mp4, it is 0.5M/s
	DVR	Dual-way video recording	Front camera: 1080P, 30fps, H.264 encoding Rear camera: AHD 720P
	GPS Navigation	Support	Built-in antenna
	Wi-Fi	802.11 b/g/n	Frequency 2.4 GHz, hotspot
	Bluetooth	Data transferring	4.0; only Android device is connectable
		Hands-free phone	Workable for both IOS and Android OS devices
	GPS Tracking	Platform and App	TRIPonist
Hardware	LCD	5 Inch multi-touch screen	QHD 960*540 Auto-adjusting Brightness: 280-340 cd/㎡
	Camera	Forward Camera	Full HD 1080P, adjustable viewing angle FOV(D) 150°
		Inward Camera	640*480, viewing angle 61.6°
		Rearview Camera	1280*720, viewing angle 130°
	FM	RDS	FM emitter
	G-Sensor	Support	
	Light sensor	Support	Auto-adjust screen brightness based on external brightness
	Audio amplifier	External class K*1	
	MIC & Speaker	Support	Built-in, 3040 Box
Interface	USB	Micro 5pin	
	TF card	Max 128GB	

Get started

Power ON/OFF

1) With power off, insert the TF card into the slot of the device. We suggest using class 10 or above TF card for the device that will support up to 128GB storage.
2) With power off, remove the SIM card cover on the backside of the device by screwdriver. Insert the 3G supported SIM card following the direction indicated on the device. A Micro SIM card is required to use cellular network when connecting to GSM 850/900/1800/1900 networks and WCDMA 850/1900/2100 networks.

3) Fix the device on the rearview mirror by straps. For more guidance related to installation, see Installation hereafter.
4) To power on/off the device, press and hold the “Power” button for 3 seconds.

   Note:

   When power supplied by cigarette charger, device boots up automatically when engine is ON.

   When power supplied by external power, it’s not allowed to shutdown the device. To force a shutdown would cause an auto device reboot.
5) With vehicle ACC OFF, device would enter into sleep mode that can be waked simple by pressing the ***POWER*** button.

Home Screen

Status icon	What it means
	GPS Navigation
	Digital Video Recording（DVR）
	Calling screen
	Media player
	Setting
	Android App menu
	Back to the previous screen
	Back to the Home screen
	Android options
	Location information is recorded with DVR
	The device is connected to Wi-Fi.
	Your carrier’s 2G/3G network is available
	The battery level or charging status

DVR

Status icon	What it means
	Stop video recording
	Take a snapshot
	Silence the recording
	Size down the recording window to Home screen
	Set memory storage for the DVR use
	File list for video and photo

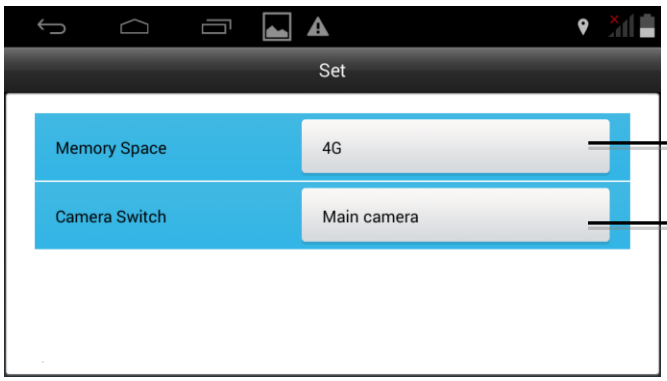
1) Video recording starts 25 seconds after powered on by the vehicle or cigarette charger.
2) DVR is two channels, one channel is Main camera or Inward camera, another channel is Rearview camera.
3) After engine stops or power disconnected, if the device detects no vibration within 3 minutes, the device would stop recording and get back to home screen.
4) You could start and stop the recording anytime.
5) Tap on the video recording screen to access memory and file icon.

6) **Memory storage.** Tap to enter Memory storage.

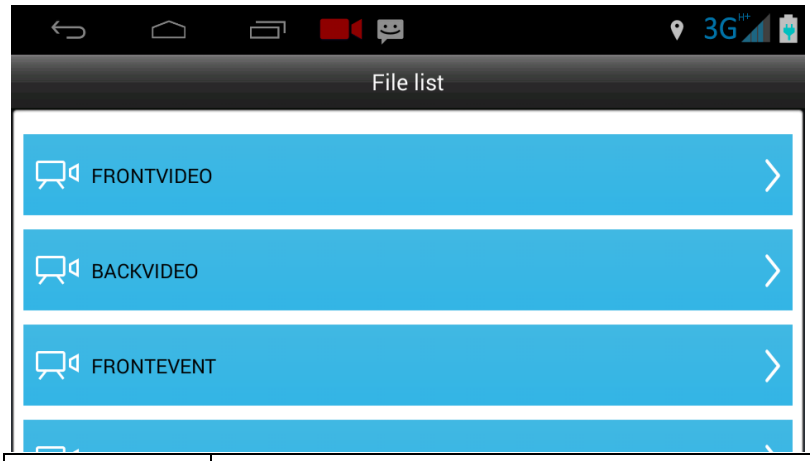
When TF card is inserted, the system would store the video in TF card that has available space.

Memory space can be adjusted within the maximum TF card storage. Defaulted memory space is 4GB. Maximum TF card supported is 128GB.

When there is no TF card, the system would store the video in the internal storage.



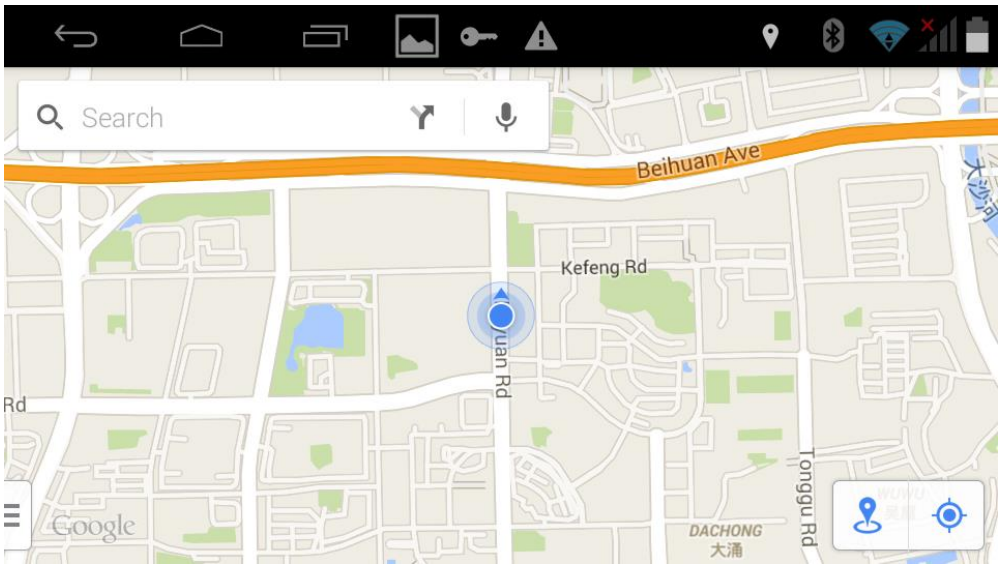
6) **File list**. Tap to enter File list.



FRONTVIDEO **BACKVIDEO**	The default resolution of recording video is 1080P or720P. Each record period is 3 minutes (About 60-200MB). Video is stored in the file ***Video.*** For the sake of efficiency, the device is programmed to record in a looping manner, overwriting the oldest footage when it starts a new cycle of recording.
FRONTEVENT **BACKEVENT**	When accident like emergency brake or crash happens, DVR would record for 15 seconds. This footage would be saved in the ***Event*** file, and would never be overwritten.
PHOTO	Snapshot pictures are stored in ***Photo*** from where you could share online.

Navigation

1) Tap to enter navigation. Defaulted map is Google map.



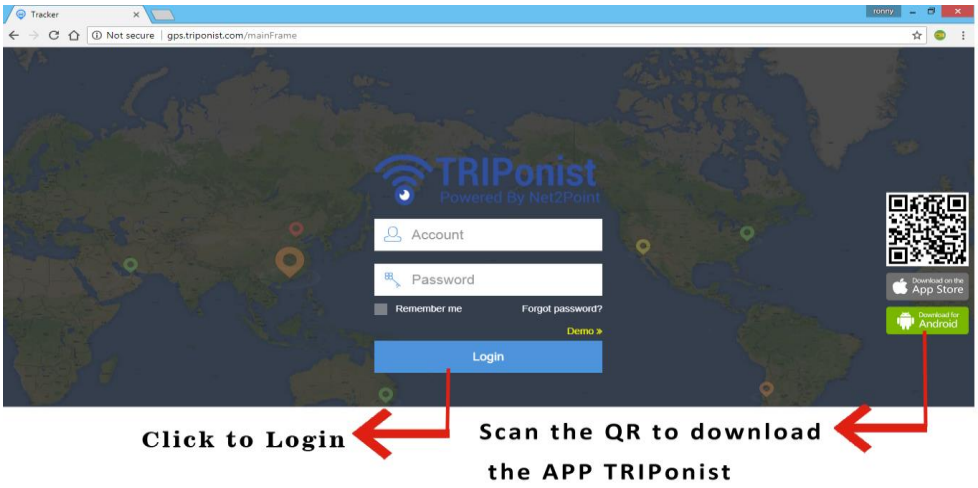
2 ） For online navigation, 3G/GSM network or Wi-Fi is necessary.

3 ） When there is no network, third party map as Waze /Navitel/Amap etc. could be downloaded for offline navigation. In this case please pre-download the map APP from the Android App store.

Vehicle Tracking and remote monitor

1) After SIM card insertion and data connection, the device would send GPS data to the tracking platform. With factory setting, GPS locating function is ON. First fix takes around 2-5 minutes.

2) Defaulted tracking platform is www.gps.triponist.com. Enter the website and login. To download TRIPonist APP, please use your smart phone to scan the QR code from the homepage of www.gps.triponist.com.



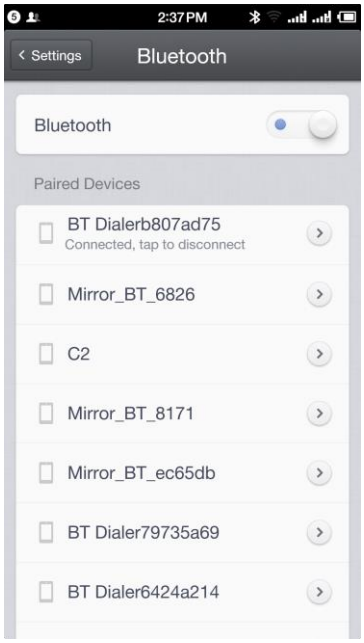
Note:

If you are distributor, please inquire your upper vendor for your account and password information.

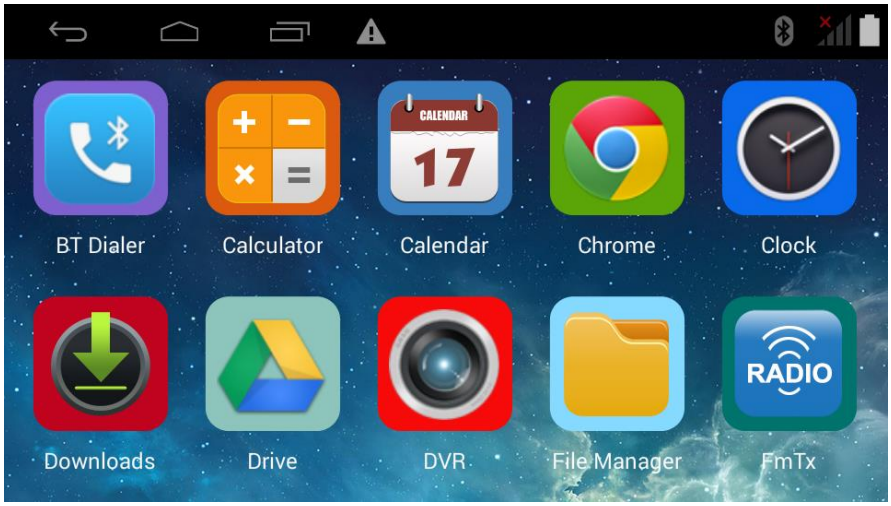
If you are end-user, simply register the account of the device on the APP, then login via APP or online platform. See APP Manual hereafter.

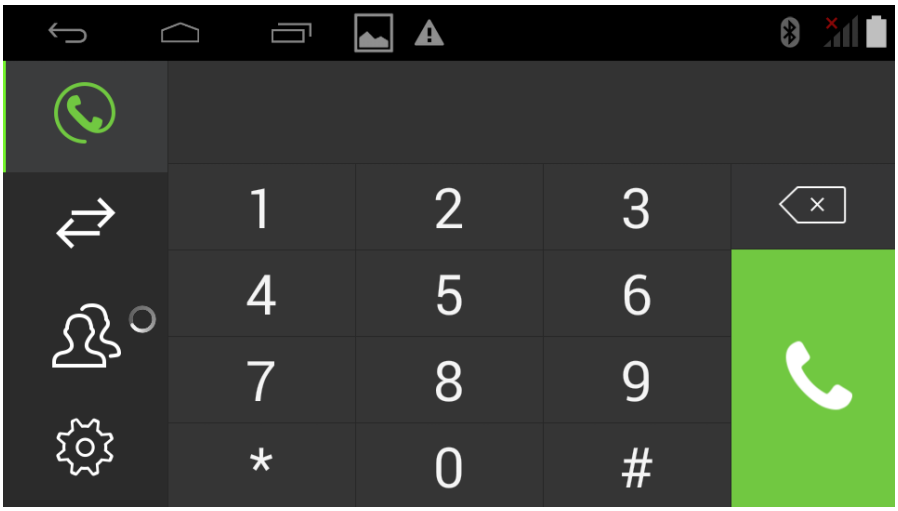
Bluetooth calling and music

1) Enter system setting. Turn on Bluetooth function of the device and your smart phone. Select device “BTdailerXXXXXXXX” on your phone and pair with the device. Bluetooth would be automatically connected next time.



2) After Bluetooth pairing, Tap on Home screen to enter Android menu. Tap “BT dialer” to make Bluetooth phone.

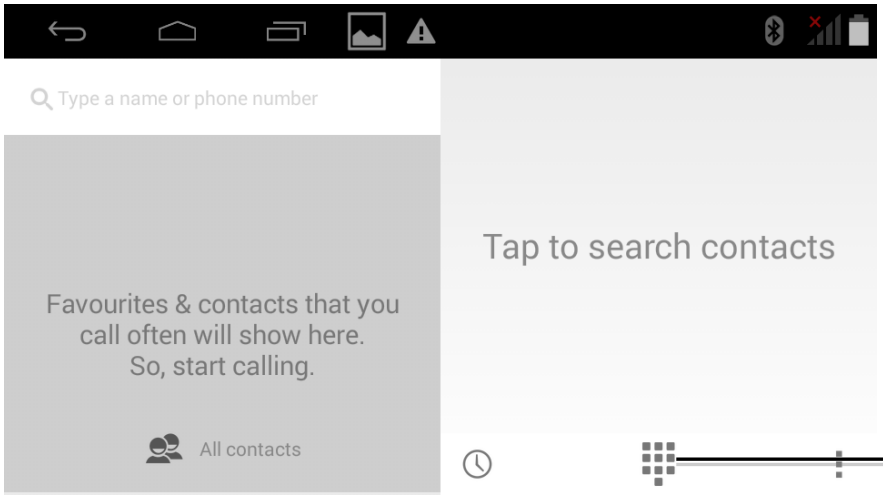




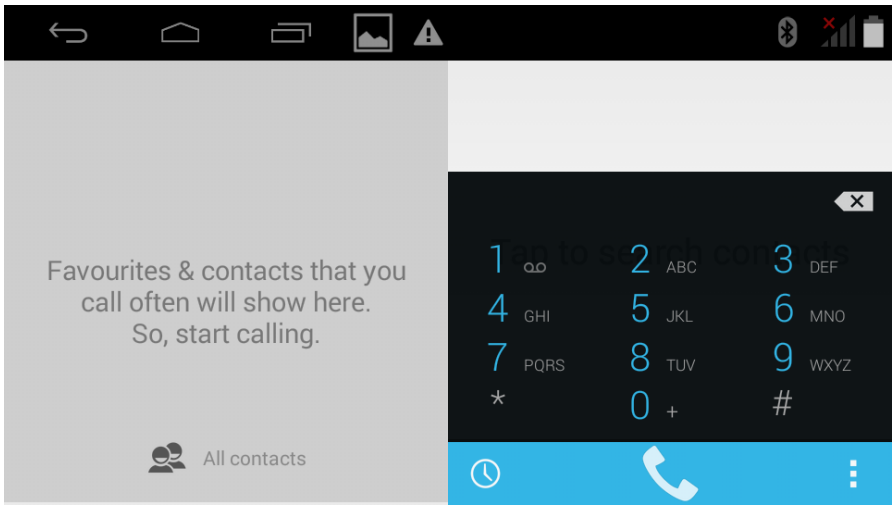
3) With Bluetooth paired, music on the phone can be played on N2P900.

Phone calling

Tap on Home screen to enter phone calling.



Tap to access phone keypad

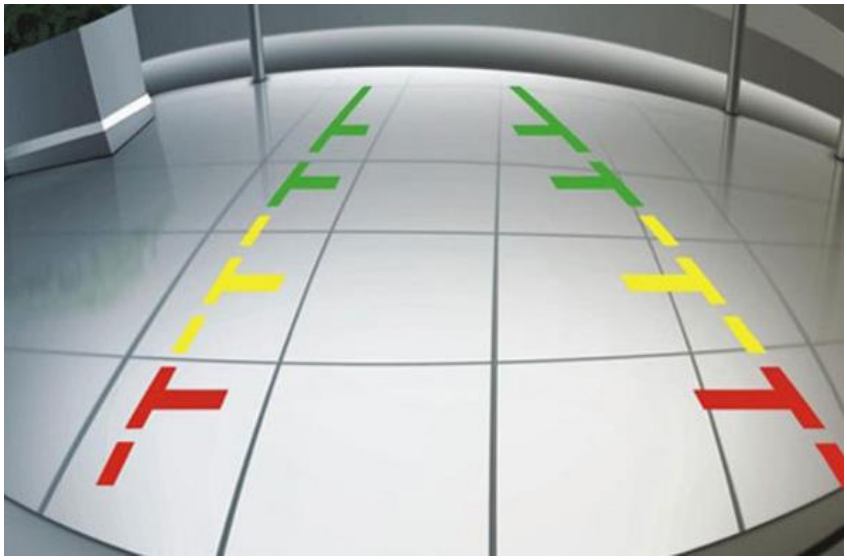


Camera in reverse（ optional function ）

To activate this function, please make sure you have purchased an additional reverse camera from your vendor.

Install the camera on the car and connect to the device. See Installation hereafter for more guidance.

With N2P900 power on, switch to reverse gear, interface would be shifted to vision in reverse as below. To avoid collision, stop moving backward when vehicle reaches the red warning line.



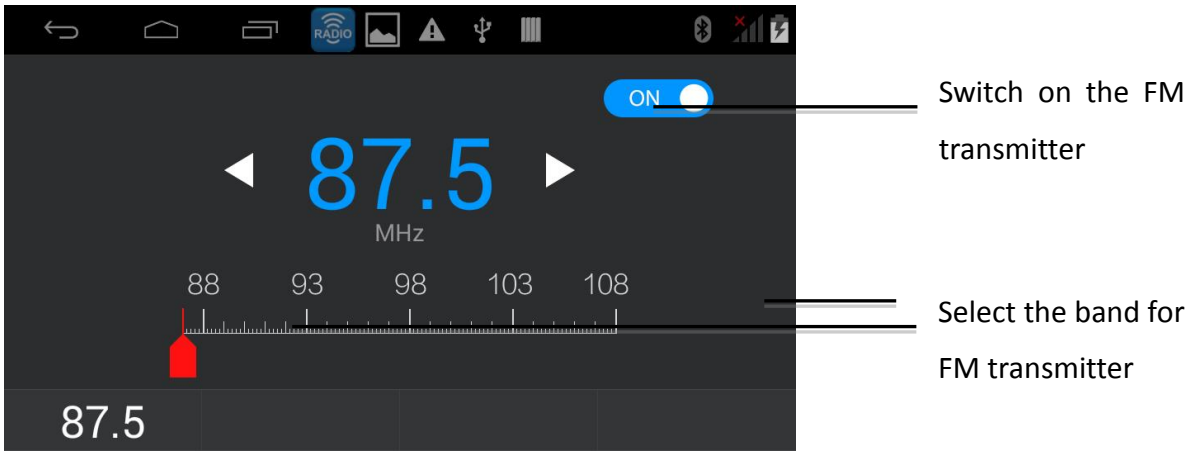
FM transmitter

Tap radio icon in home screen to enter FM transmitter page.

Switch on the FM transmitter; broadcast the band of your current music.

Connect this band from the FM radio of the car, which audio would play the music.

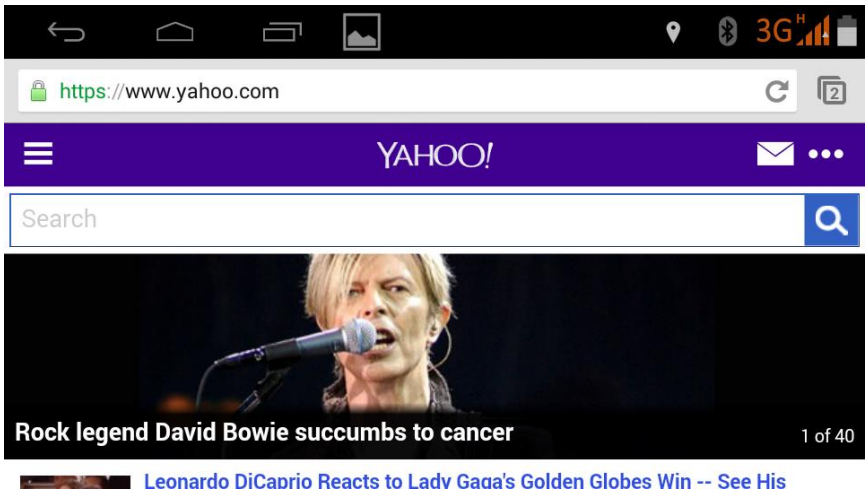
The FM band can be adjusted between 87-107MHz. Please select the one with the least interruption from external radio station. Commonly used bands can be saved for fast broadcast.



3G Network

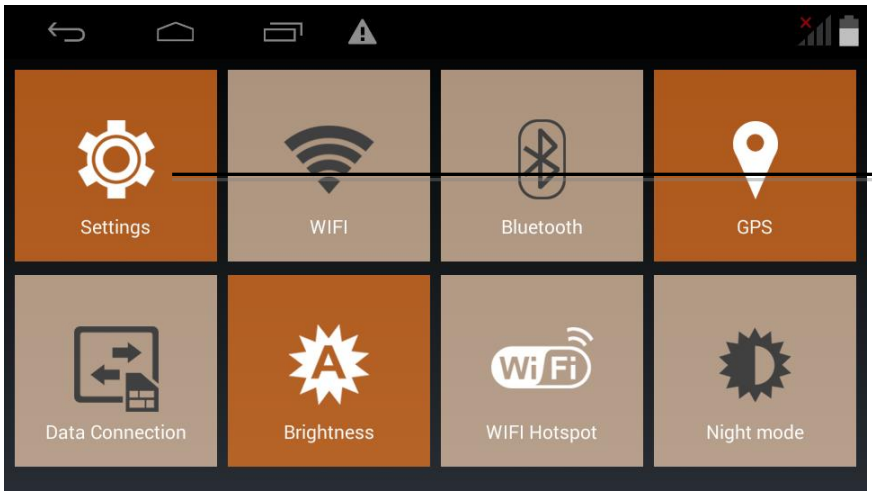
After SIM card available for WCDMA inserted, icon would be displayed in the top column.

Tap to enter Android App menu and select to search on the Internet.

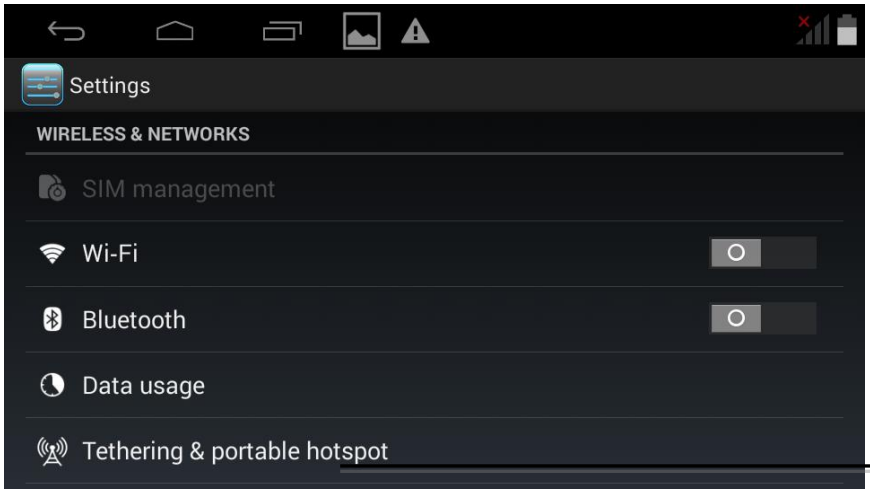


WiFi hotspot

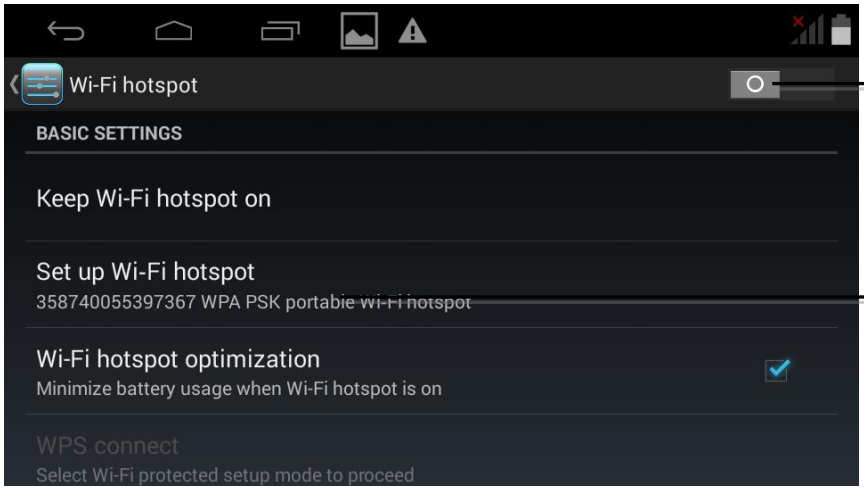
Tap in ***Home*** to enter ***Setting*** interface.



Tap to enter Settings page



Enter hotspot page



Wi-Fi hotspot switch

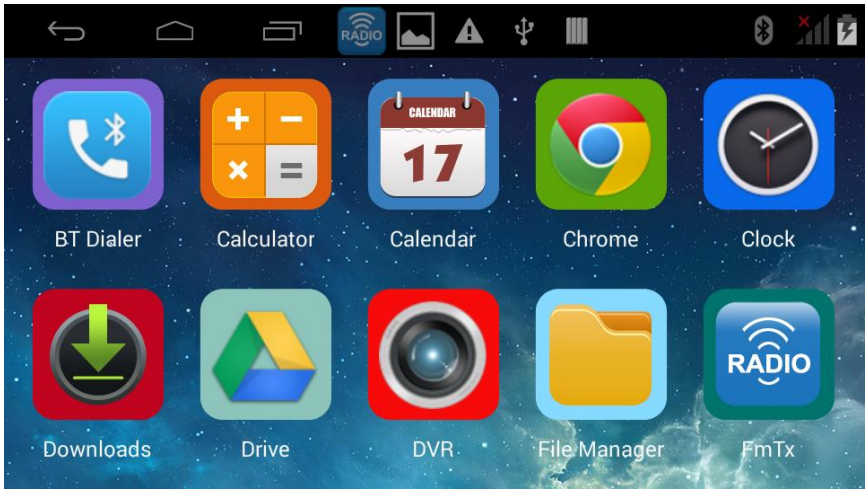
Setup name & password

Android menu

Tap on Home screen to enter Android menu.

Defaulted APPs are Calculator, Calendar, Clock, File Manager, etc.

For more APP use, please download on the Internet and install it to local storage.



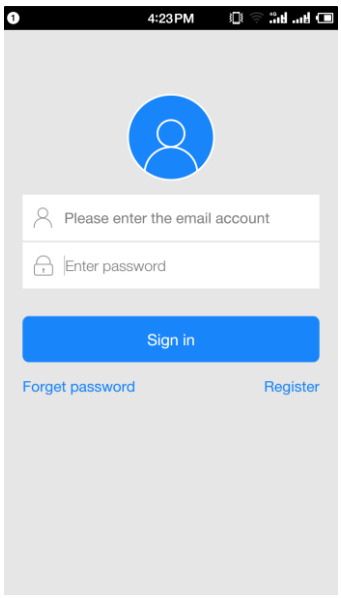
APP Manual

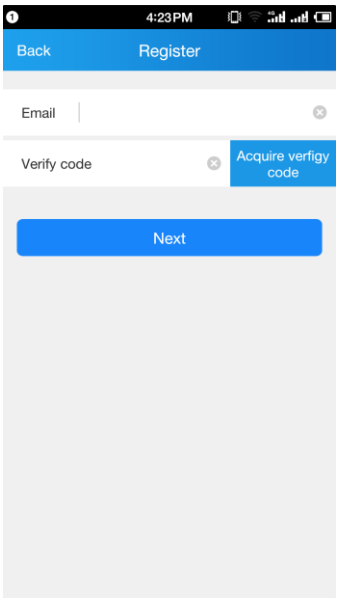
Coupled with functions like real-time tracking, playback, remote snapshot and video, monitoring, geo-fence and multiple alerts, TRIPonist APP keeps an eye on your vehicles anytime anywhere.

Login & Add device

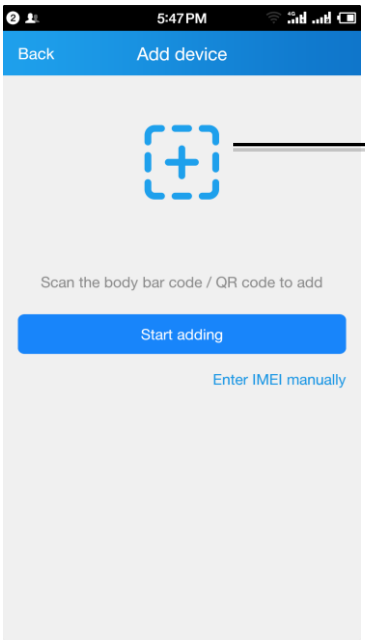
After the installation is completed, tap the App ***TRIPonist*** to enter login page.

For first-time users, please register. Enter your email where verify code is about to send. Enter the code and click ***Next*** to set your password. Register is finished.





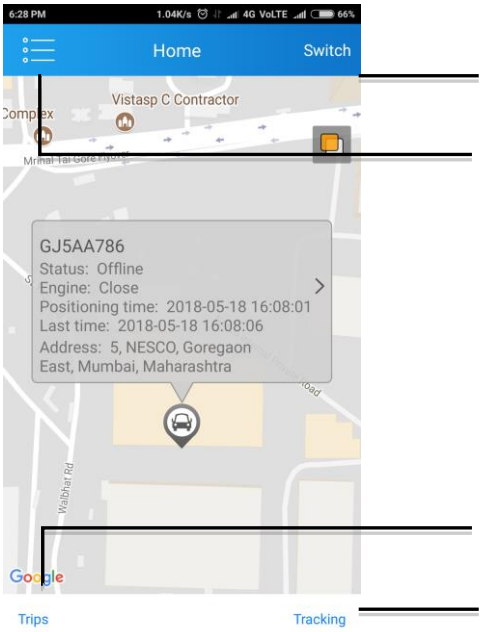
Scan the QR code on the N2P900 to add device.



Scan the QR code on the N2P900 to add device.

Homepage

Using your E-mail name and password to log in again, you can see the Homepage



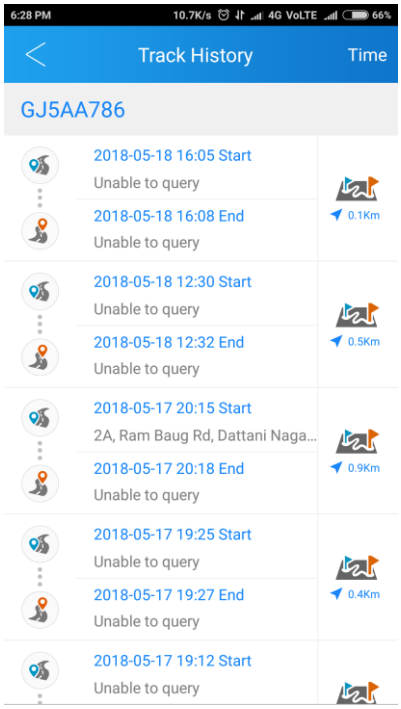
Vehicle list

Menu

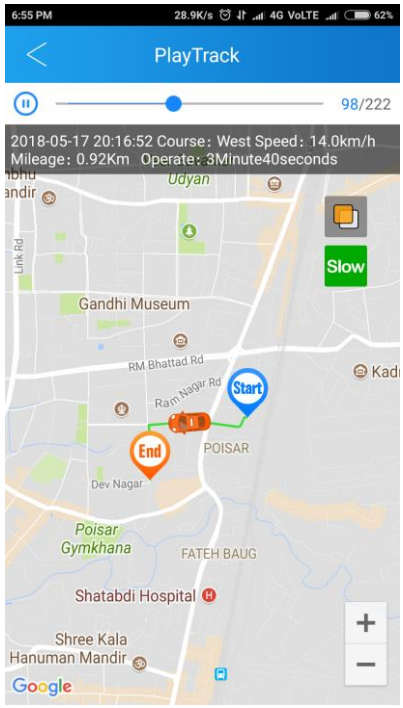
History route

Real-time tracking

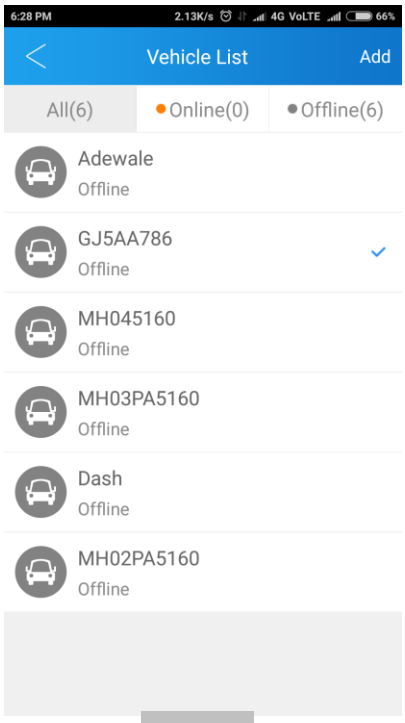
Click“track”,“tracking”,“Vehicle list”,“ ”, as shown below:



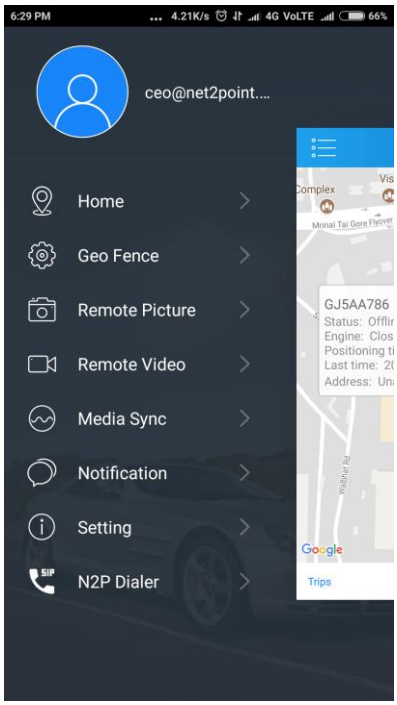
(***Track:*** To playback history route)



(***Tracking:*** To check real-time latitude, longitude and speed

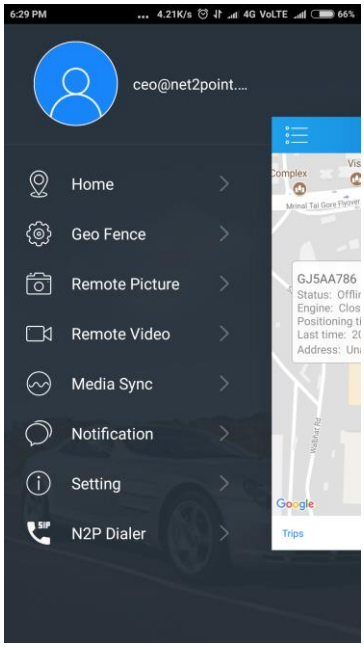


(***Vehicle list:*** Check all vehicle list of this account or switch to the other vehicle.)



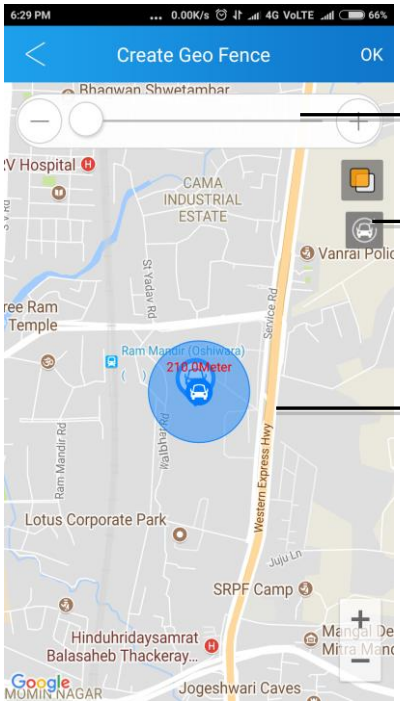
(***Menu***)

Menu introduction, as shown below**:**



Item	What it means
Home	Vehicle management, location, route
Set-fence	Geo-fence setting/on/off
Remote photo	Issue command to take photo that would be sent to App
Remote video	Issue command to record video and Live View
Media sync	Sync all media file
Geo-fence alert	Check the alert content
Setting	Wipe cache; Help; About

Click “Set-fence” in menu screen, as shown below:

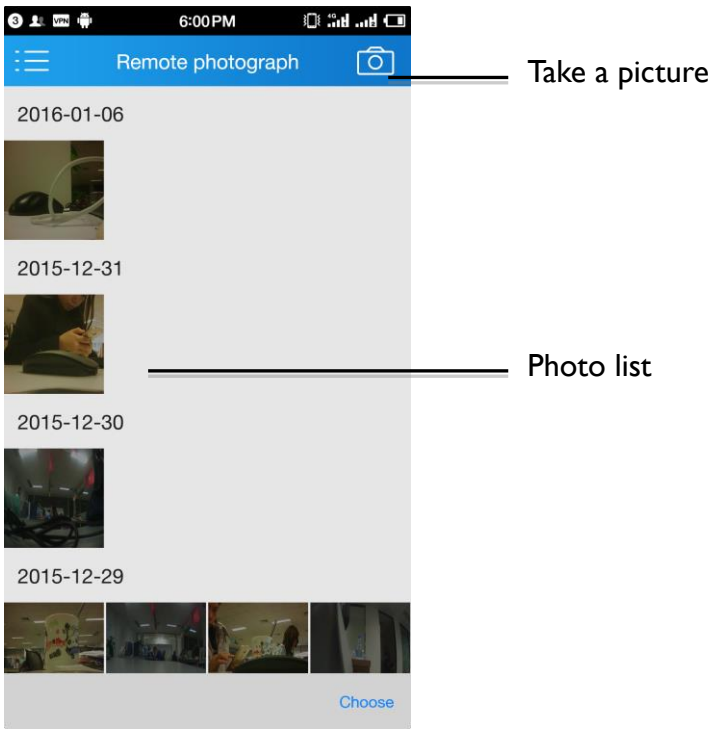


Modify the size of fence

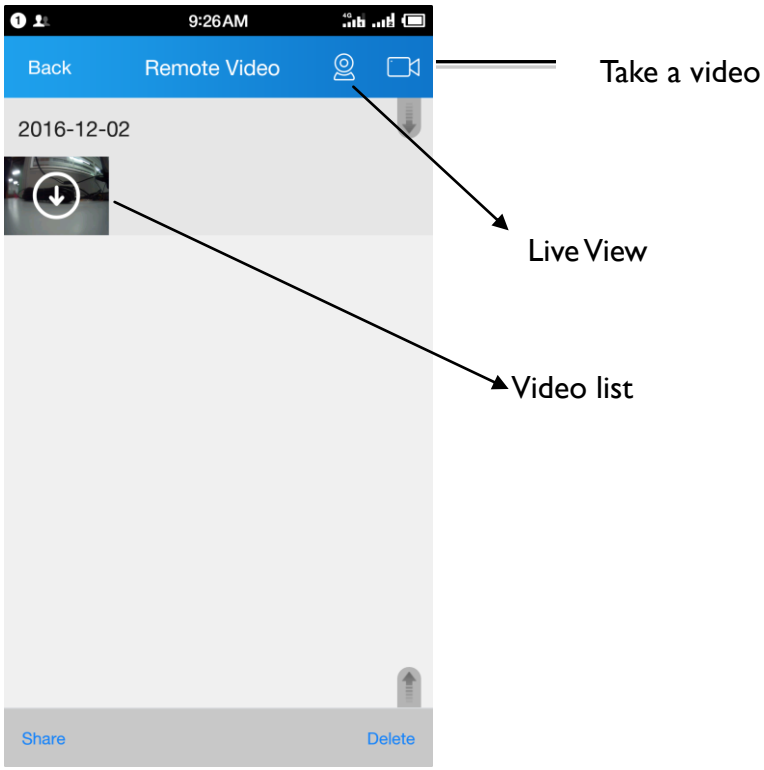
Switch between the original geo-fence and the current vehicle location

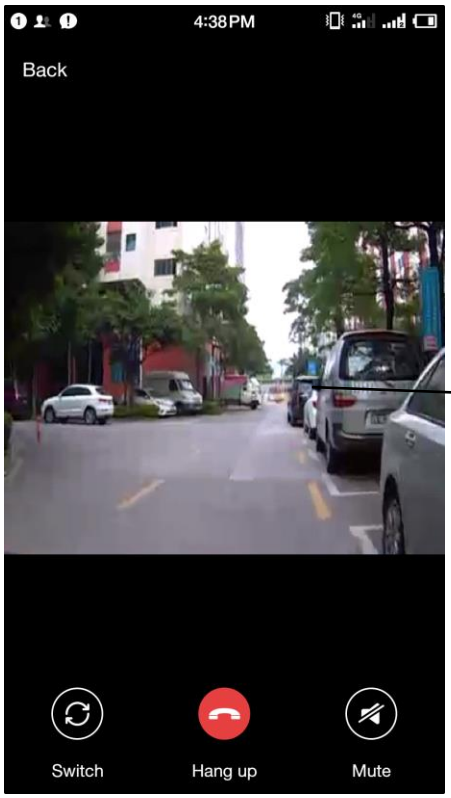
Geo-fence zone

Click “Remote photo” in menu screen, as shown below:



Click" Remote video" and "Live View" in menu screen, as shown below:

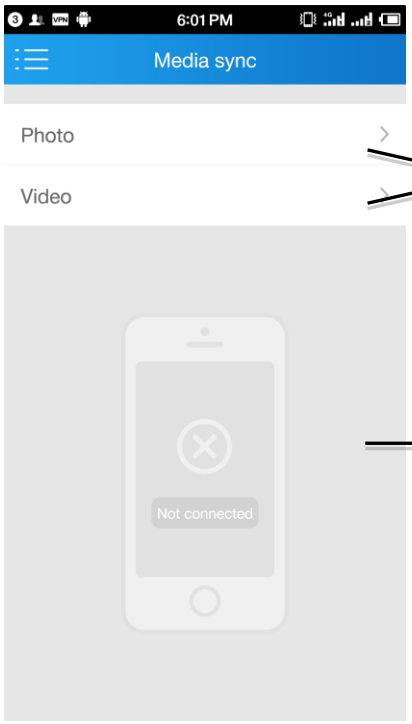




Live View

Live View needs 3G Network or better WIFI . If the Network speed does not meet this demand, the screen will be some non-smooth or delayed.

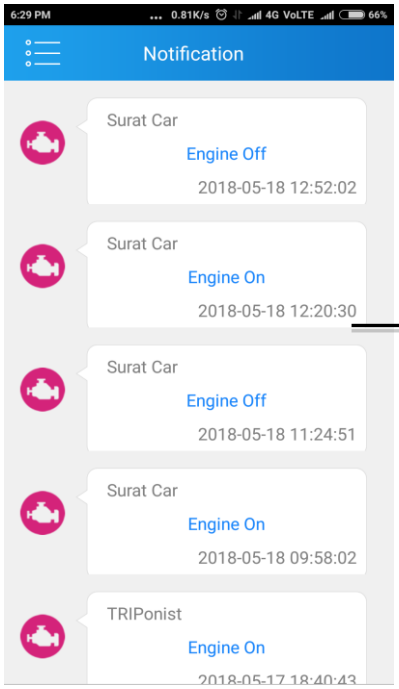
Click" Media sync" in menu screen, as shown below:



File List

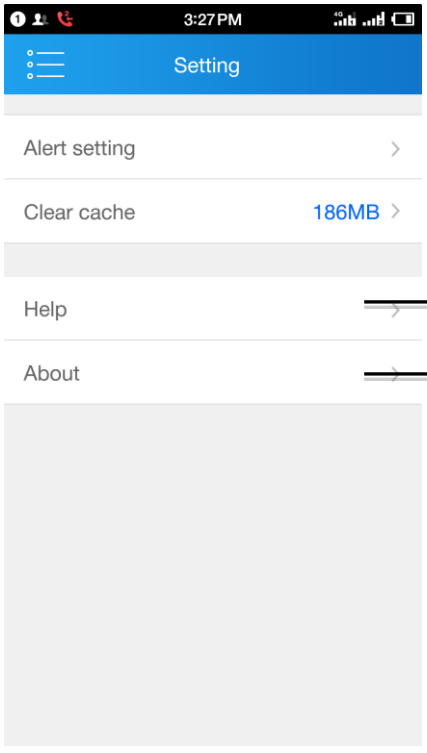
Connection status between N2P900 and phone

Click" Notification" in menu screen, as shown below:



All alert messages

Click" Setting" in menu screen, as shown below:



Help information

Version