



User Manual

UGAR Android-Based Car Stereo Headunit

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Cautions

For your safety, please don't watch the screen and operate this headunit while driving. Please lower down the volume to the level that you can clearly hear the sound outside the car. Before the operation of this headunit, please carefully read this manual and understand the relevant safety warnings or tips. Please place this manual where you can easily access and make a reference once unexpected problem has occurred.

- Please drive safely.
- When facing any issue regarding this headunit, please stop your car on road side to operate this headunit.
- Don't allow children to operate this headunit to avoid personal injuries and the breakdown of the headunit.
- Please comply to local traffic regulation while using the GPS function.
- Don't use this headunit where this is prohibited or the ignition is not allowed, for example, gas stations, wine factories, place with high magnetic influence, otherwise, it may cause serious injuries.
- Don't repair, disassembly or install this headunit by your own if you don't have professional knowledge. While the power is connected, please don't install or repair this headunit. It is very dangerous for person who don't have professional knowledge to install or repair this headunit.
- Don't use material with sharp point to scratch the screen or hard materials to press the screen which may cause serious damage to the screen.
- Don't store this headunit under direct sunlight or in environment with harmful substances that may damage the screen. We recommend to install this headunit in place with air-conditioning. Hot or cold wind may damage this headunit and hence affect the driving safety.
 - The Operating Temperature for the display: -10 °C to +50 °C
 - The Storage Temperature for the display: -20 °C to +80 °C
- Slight black spot or flashing spots on the display are normal
- During very cold condition, the screen will be dimmer than usual when it first starts. It will resume to normal after warming up.
- Don't store this headunit in humid environment and keep this headunit away from water which may cause fire or electric shock.

CAUTIONS IN MAINTAINING THIS DISPLAY

- Before removing any dust or dirt on the screen, please turn off the power.
- When cleaning the display, please beware of the finger nails which may scratch the display.
- Don't use damp cloth, high volatile detergent, toner or similar chemicals to clean the screen.

Basic Operating Procedures

System Reset

- 1) When you start the machine at the first time, please use sharp tools to press the “RST” reset button for 3 seconds to resume the system back to factory default.
- 2) In case this headunit is hanged or the operation is abnormal, please also use this “RST” reset button to restart the unit.

Power ON/OFF

- 1) During the ACC on status, press the “POWER” button to start up this headunit.
- 2) Press “POWER” button for few seconds to turn off this headunit, or simply turn off the ignition of your car by removing the car key.

Volume Adjust

Press the VOL+/VOL- to adjust the volume

Mute ON/OFF

Slide your finger on the screen from up to down, the mute button will appear in the information panel.

Backlight ON/OFF

The backlight of the screen is in connection with the headlight of the car. Once the headlight of the car is ON, the backlight will be ON as well.

Reverse Camera

When the car is adjusted to REVERSE mode, this headunit will automatically display the image through the reverse camera.

Touch Button Introduction.



MIC: the window in receiving the sound

POWER: Press the power button to turn off the backlight or press for 3 seconds to enter the sleep mode.

HOME: Press this button to shift to main page (if applicable)

BACK: Press this button to return to the last page

VOL+: Press this button to push up the volume

VOL-: Press this button to lower down the volume

RST: Use sharp tool to press this button to reset the headunit

Source Selection

Press the icons on the main menu screen to enter different operational interface. Swing your finger from right to left on the screen to shift between different main menu screen.



Restart Memory

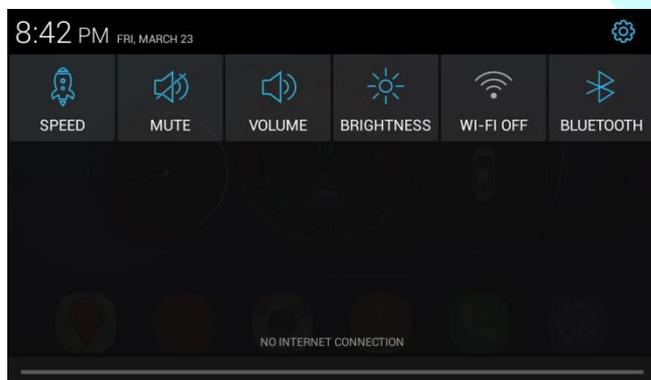
Once you restart this headunit, the system will go back to the mode and screen where you stop at in your last exit. For radio mode, the system will be back to the last channel you were at. For audio and video, it will resume from the timeline where you last stopped.



Headunit Setup

1. Information Panel

Slide down on the screen, the information panel will display the shortcut icons.



2. Wallpaper Setting

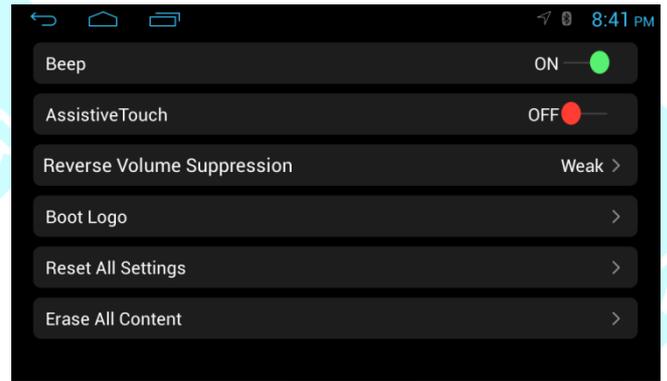
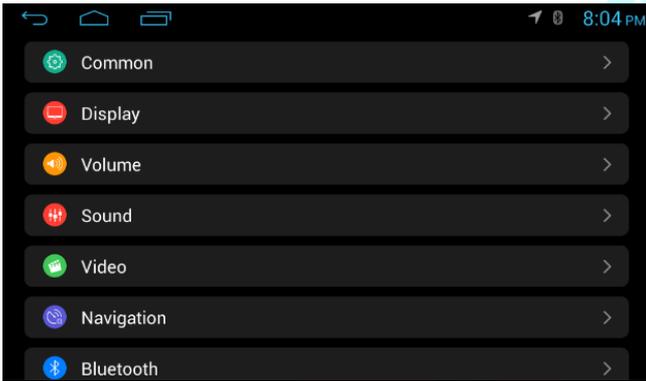
Press the empty space on the main screen for 2 seconds, the wallpaper dialogue box will pop-up. Users can select static preset wallpaper or wallpaper with motion. User can also upload their own files in format of jpg, png, bmp through **ES File Explorer** for wallpaper. Suggest to use high resolution wallpaper for better display result.

3. Car Setting

Press the Car Setting button to enter the system setting interface. Press the corresponding icons to enter the respective setting mode. For more options, please slide up the screen to see more options below.



a. Common



- Beep

Turn ON/OFF the beep sound when pressing those buttons on the screen

- Assistive Touch

Turn ON/OFF the floating shortcut menu to access the 6 functions.

- Light ON & Off
- Mute
- Vol +/-
- Return
- Running Program Menu



- Reverse Volume Suppression

Select the 4 volume suppression options (None / Weak / Medium / Strong) during car reverse

- Boot Logo

It is for factory setting. You can also enter password 5678 to make the change.

- Reset All Settings

Press to reset all the options to factory default. All the current settings will be deleted.

- Erase All Content

Press to delete all applications that are being installed into this unit.

b. Display

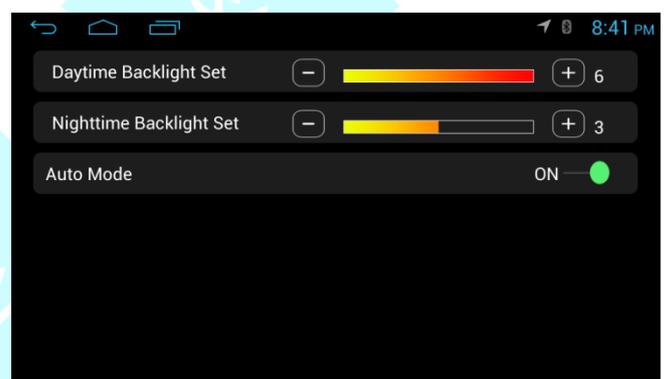
- Daytime Backlight Set

Adjust the brightness of backlight at daytime

- Nighttime Backlight Set

Adjust the brightness of backlight at nighttime

- Auto Mode



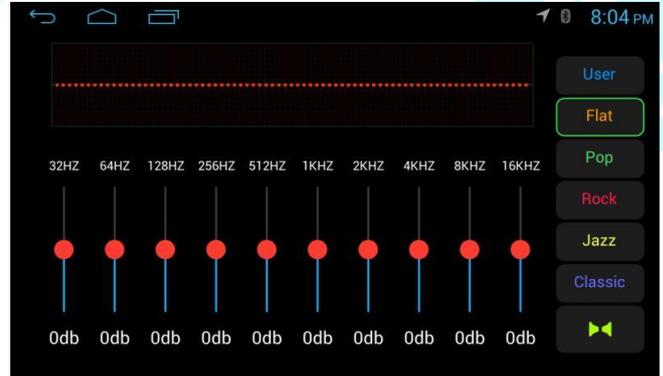
Turn On is mode to auto adjust the backlight based on the headlight setting

c. Volume

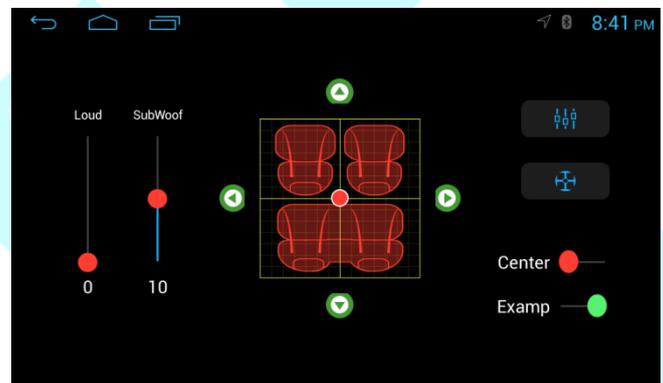
- Adjust the volume of different functions. (Media, Navigation, Bluetooth, Ring, Alarm and System).

d. Sound

- You can access this sound setting option through the car setting function or simply press the sound icon  in either video or music playing interface to directly enter this EQ adjust function.



- There are **10 DSP sound effects** for users to adjust based on own preference or the preset modes like Flat, Pop, Rock, Jazz and Classic can be selected. Press the icon to  adjust the sound balance of 360 degrees in the cabin. The **subwoofer** and **loudness** can also be adjusted.

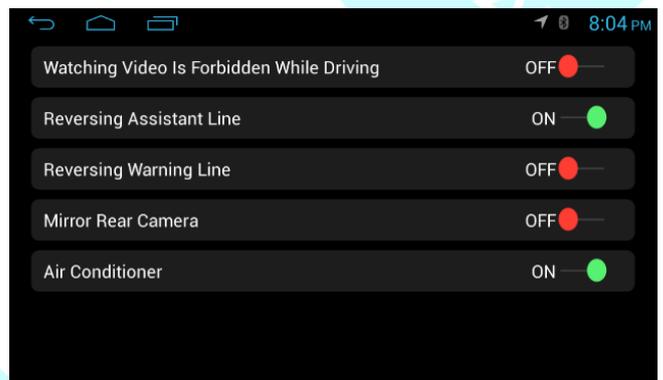


- Please be reminded that extreme loudness may distort the sound quality.

e. Video

- **Watching Video is Forbidden While Driving**

Turn ON this function to disable the video function while driving in complying the local laws or ensure driving safety



- **Reversing Assistant Line**

This function is only applicable to certain car models. When activated, user can see two reverse assistant line during reverse. Those lines will move according to the steering wheel movement.

- **Reversing Warning Line**

Press to display the reversing warning line in assisting driver to determine the distance to foreign objects in the rear side.

- **Mirror Rear Camera**

Press to open or close the mirror rear camera

- **Air Conditioner**

This function is only applicable to certain car model to operate the air conditioner through the screen.

f. Navigation

- **Autostart Navigation**

Turn this ON to automatically startup the navigation software

- **File Path**

To select the preferred navigation software

g. Bluetooth

- **Pin Code**

Display the current Pin of the headunit and press to set the new PIN for the connection with other devices through Bluetooth.

- **Auto Connect**

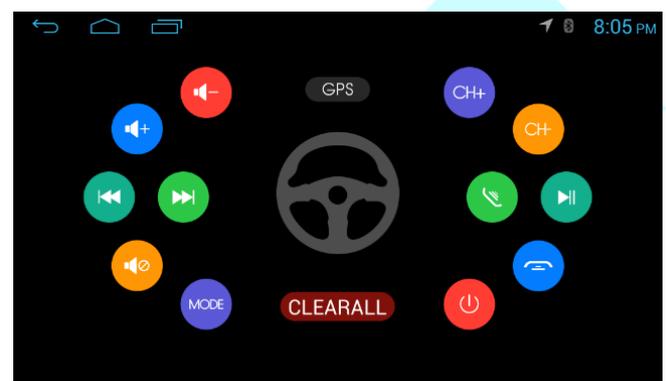
Select whether to automatically connect to the device once being detected

- **Auto Answer**

Select whether to answer the call immediately when there is incoming call

h. SWC (Steering Wheel Control)

1. Press the button " CLEARALL" before any setting
2. Press the first button on the steering wheel
3. Then press the corresponding function button on the screen
4. Once the button turn to green color, that means the setting is done.
5. Repeat the procedure again on all the remaining buttons on the steering wheel.



Tips: While driving the VOL+/- buttons on the steering wheel are used to adjust the music volume, but when the navigation or warning functions are turned ON, the two buttons will be used to adjust the volume of the navigation and warning sound.

Android Platform Setup

1. Enter the Android Setup Interface

Click the Settings icon to enter the following interface.

2. WIFI Connect

Click to turn ON/OFF the WIFI function. The function will display a list of WIFI Hotspot that are surrounding this headunit and the password may be required to enter the network.

3. Language and Input Method

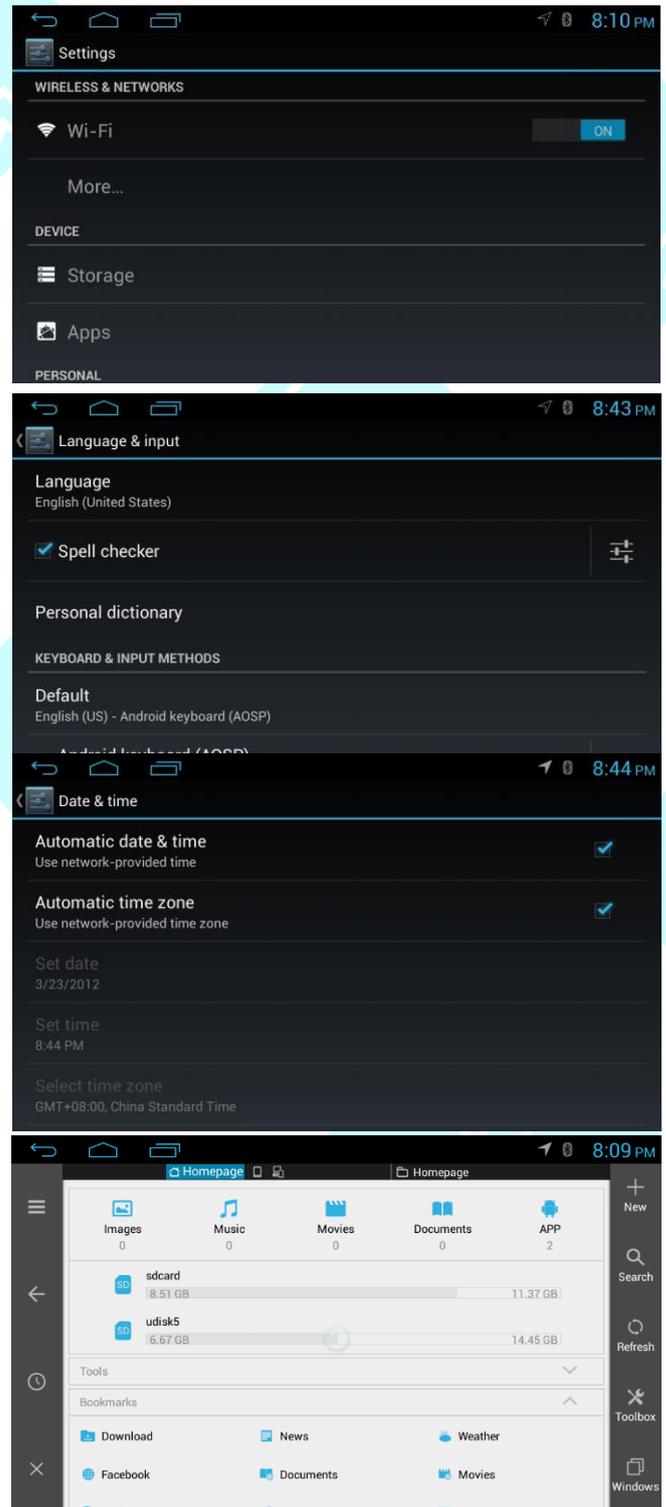
Click the Settings icon to enter the following interface. Select the language and input method based on your own preference.

4. Date and Time

This system will use the data from the internet and GPS to automatically setup the date and time. Users who want to set the date and time, please turn OFF this automatic function.

5. Application (Install & remove)

This headunit supports most android APPs but no guarantee that all the APPs are compatible. User can install the third party APPs into this unit through USB memory stick.



How to install the third party APPS through USB memory stick?

1. Save the APPs into the USB memory stick through your laptop/desktop.
2. Connect the USB memory stick to the USB slot of the headunit.
3. Open the internal app ES File Explorer and browse the data of the USB memory stick. Click the APK file that you want to install.

How to remove the third party APPS from this headunit?

User can click the UNINSTALL at the main menu screen to remove the applications.

Radio Setup

Press the RADIO icon to enter the radio mode.

Frequency Selection

Press the BND button to shift between band FM1, FM2, FM3, AM1, AM2

Search Channel

Press the BACKWARD or FORWARD button for one second to trigger the search and the system will stop automatically once the channel is detected.

Auto Search Channel

Click the SEARCH  button, the system will start to search from the low to high frequency. Only channels with strong signal will be stored in the system. During the searching, users can press the SEARCH icon to stop the search.

Default Radio Channel

In each frequency range, 6 channels can be stored. This headunit can store up to 24 channels/ (FM channels x 18, AM channels x 6)

Store Radio Channel Manually

Press the (1–6) channel icon for 2 seconds to store the current frequency displayed at the center.

Stereo/Mono Selection (For FM frequency only)

Press the icon  to shift between stereo and mono. While the radio is receiving the stereo channel the signal "ST" will be displayed on the screen.



GPS Navigation Setup

- **Store Map Data**

The map data can be stored into the internal SD card. Please make sure there is enough space in the internal memory before doing any copy. User can access **ES File Explorer** on the main screen to delete unnecessary data in the internal memory first. For some GPS application, map data can be stored in the external USB or SD Card.

- **Install GPS Map APK**

User can enter the **ES File Explorer** to select the APK application in external USB memory drive to be installed. By clicking the GPS application icon  on the main screen, the application will be activated.

(User can select the default GPS application, please refer to the manual section **Headunit Setup -> Navigation -> File Path.**

Play Music Setup

- **Support Files Type**

This headunit can not only support .mp3 and .ape, .flac non broken files.

- **Lyrics Display**

This headunit supports LRC format so If the music contains lyrics, the system will display lyrics automatically. Press the lyrics to shift between the frequency bar and lyrics.

- **Album Cover Display**

This headunit can support album cover display of MP3 file.

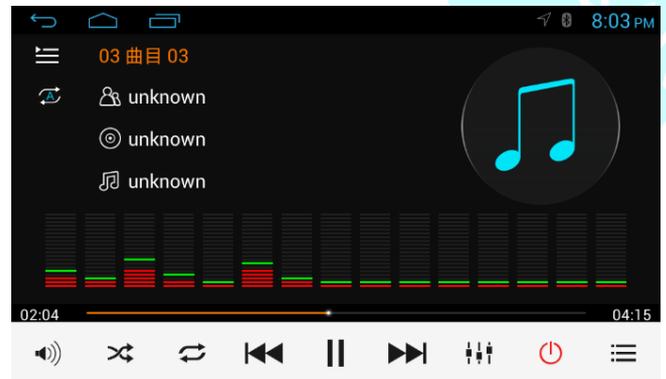
- **List**

User can press the LIST  button to select other music from the document explorer.

- **Repeat & Shuffle**

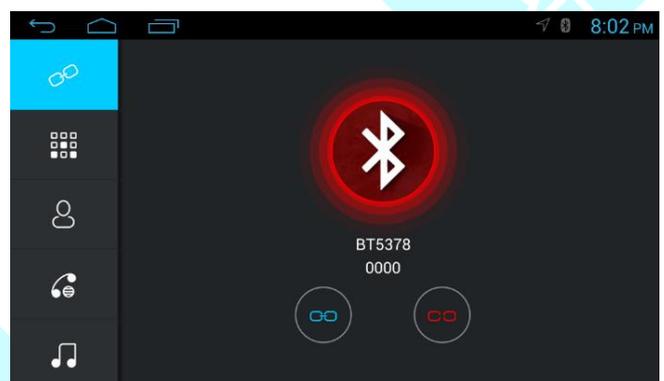
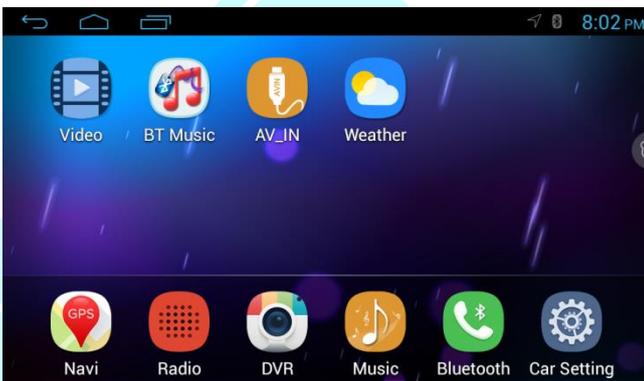
Press  to repeat the current music or all music in the list.

Press  to shuffle all music in the list



Bluetooth Hand-free Setup

Press the **BLUETOOTH** icon on the main screen to enter the Bluetooth function.



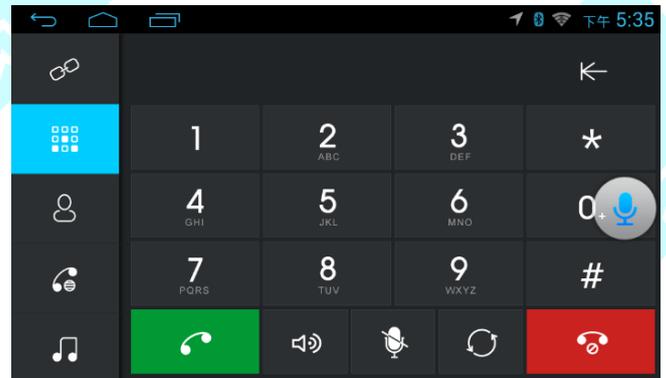
- **Connect the Headunit with the Phone**

1. Open the Bluetooth function on the mobile phone and press searching function
2. Search the headunit whose default name is "BT1234"
3. Mobile phone will prompt you to enter the PIN and please enter "0000"

- Once done, the screen will display CONNECTED.
- If the mobile phone has already been connected to the headunit once, user can simply press to  resume the connection or disable the connection.

- Make Phone Calls**

User can simply press the phone number on the screen to make phone call. Press the BACK icon if the phone number is wrongly entered. Press the HANG UP icon to clear all the inputs, otherwise, press the CALL icon to make the call.



- Mobile Phone/Headunit Speaker Swap**

During conversation, user can press the icon to

 shift between using the mobile phone or headunit speaker.

- Phone Record**

Under the phone record, all received calls, missing calls and dialed calls can be displayed. User can delete those records.

- Synchronize the Phonebook**

Once the mobile phone and the headunit are connected, press the Synchronize button to synchronize the phonebook. (Note: Some mobile phone cannot synchronize the phonebook due to the difference in the protocol. Please report to our Customer Service.)

- Play Bluetooth Music (A2DP)**

Press the MUSIC icon under the Bluetooth interface to play the music on the mobile phone. (Note: The mobile phone should support Bluetooth 2.0 or higher version.)

Audio & Video in (AVIN & AUX) Setup

- Connect the external device into the RCA input of AVIN and AUX IN L & R.
- Press the AVIN icon on the main screen to enter the AVIN mode.

Digital Video Recorder Setup

(Digital Video Recorder Camera is an option and not included in the package)

- Plug the USB memory drive to the USB slot for recording purpose. (Suggestion: please use USB memory drive with memory space over 8G and support USB3.0 speed.)
- Press RECORD button to either start or stop recording.
- Press SAVE button to select the destination to save the file.
- Press TIMEFRAME button to select the duration of each video clips (3, 5 or 10 minutes)

(Note: For new USB memory drive being connected to the system for the first time, please select the destination to save the file first, otherwise, the auto saving function would not be activated.)

Install GPS Antenna

The GPS antenna can either be placed on top of the dashboard inside the car or outside the car. Please make sure the GPS antenna is in an open area to get the best reception. The GPS signal will be weakened if the protection film or solar films are installed on the windows. For such situation, GPS antenna should be placed outside the car.

1. Make sure the surface for sticking the GPS antenna is free from dusts or oil.
2. Tear off the liner of the sticker at the back of the antenna and stick to the designated position.
3. Remove the dashboard to place the cable of the GPS antenna underneath. (Warning: excessive force in removing the dashboard may damage the car.)
4. Connect the GPS connector to the headunit.

Warning:

- Please make sure the power is off when doing the GPS antenna installation.
- Cut or extend the GPS cable may result in bad reception.
- GPS antenna should be placed on flat surface to achieve the best reception.
- Please make sure the GPS cable not messing up with the steering wheel and the gear that may cause accidents.

Frequent Asked Question (FAQ)

Problem	Reason	Solution
Cannot Open the headunit	The car key is not inserted yet	Insert the car key and turn to ACC mode
	The power cable has not been inserted to the headunit	Insert the cable into the headunit
	The fuse of the headunit is broken	Replace with the same standard fuse
Capacitive Screen not responding	System is running (for example road searching), please wait. If problem persists, please report to our customer service.	
No display for reverse camera	Camera not installed	Install the camera and insert the cable to the CCD input of the headunit
	Camera has the wrong display standard	Replace the camera with the right standard
Headunit not yet started up but the reverse camera has been displayed	For driving safety, reverse camera has been set to be the first priority.	End the reverse mode to resume the headunit to normal operation
GPS cannot locate the position	GPS cable has not been connected	Connect the GPS cable
	Under the blind spot of GPS coverage	Drive your car to other area to check the GPS reception. If problem persist, please report to our customer service.
	The GPS system does not have the map of the current area	Consult the GPS map provider for the update
Blank screen on the map	Over magnify or diminish the place on the map	Change the magnify or diminish ratio on the map