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## Precaution

### Before installing this product

- Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.
- To avoid shorts in the electrical system, be sure to disconnect the (-) battery cable before installation.

### Important safety information

#### **WARNING**

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not allow this product to come into contact with liquids. Electrical shock could result. Also, damage to the product, smoke and overheating could result from contact with liquids.
- If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch off (ACC OFF) immediately and consult your dealer. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.
- If you notice smoke, a strange noise or odor from this product, or any other abnormal signs on the screen, turn off the power immediately and consult your dealer. Using this product in this condition may result in permanent damage to the system.

- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer for internal inspection, adjustments or repairs.

**Before using this product, be sure to read and fully understand the following safety information:**

- Do not operate this product or any applications if doing so will divert your attention in any way from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating this product or reading the display, park your vehicle in a safe location and apply the parking brake before making the necessary adjustments.
- Never set the volume of this product so high that you cannot hear outside traffic and emergency vehicles.
- To promote safety, certain functions are disabled unless the vehicle is stopped and/or the parking brake is applied.
- Keep this manual handy as a reference for operating procedures and safety information.
- Do not install this product where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags or hazard lamp buttons or (iii) impair the driver's ability to safely operate the vehicle.
- Please remember to fasten your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.
- Never use headphones while driving.

## To ensure safe driving

### WARNING

- **LIGHT GREEN LEAD AT POWER CONNECTOR IS DESIGNED TO DETECT PARKED STATUS AND MUST BE CONNECTED TO THE POWER SUPPLY SIDE OF THE PARKING BRAKE SWITCH. IMPROPER CONNECTION OR USE OF THIS LEAD MAY VIOLATE APPLICABLE LAW AND MAY RESULT IN SERIOUS INJURY OR DAMAGE.**
- **Do not take any steps to tamper with or disable the parking brake interlock system which is in place for your protection. Tampering with or disabling the parking brake interlock system could result in serious injury or death.**
- **To avoid the risk of damage and injury and the potential violation of applicable laws, this product is not for use with a video image that is visible to the driver.**
- In some countries the viewing of video image on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they be obeyed.  
If you attempt to watch video image while driving, the warning **“Viewing of front seat video source while driving is strictly prohibited.”** will appear on the screen. To watch video image on this display, stop the vehicle in a safe place and apply the parking brake. Please keep the brake pedal pushed down before releasing the parking brake.

## To avoid battery exhaustion

Be sure to run the vehicle engine while using this product. Using this product without running the engine can drain the battery.

### WARNING

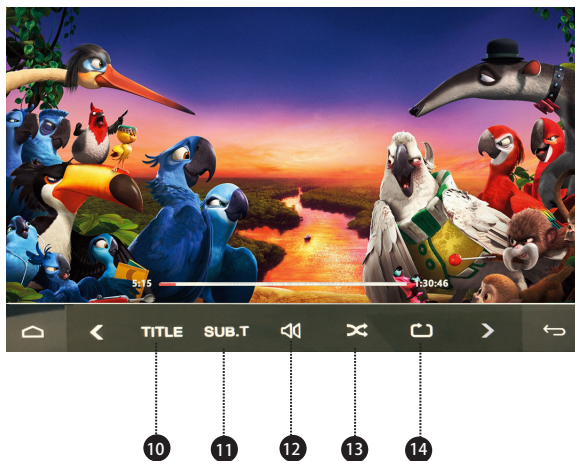
Do not install this product in a vehicle that does not have an ACC wire or circuitry available.











1. Home
  2. Previous page of touch panel keys
  3. Previous file
  4. Pause/Play
  5. Next file
  6. Rewind
  7. Fast forward
  8. Next page of touch panel keys
  9. Back
  10. Title
  11. Subtitle language
  12. Volume
  13. Random play
  14. Repeat play
- Choose from repeat the current title, repeat the current chapter, and repeat all files.









## 4. Bluetooth music

After the Bluetooth connection is established, you can play music stored in your Bluetooth device on this unit.

※ **Please note that the unit may not support the Bluetooth music function when some mobile phones are not quite compatible with the unit.**

## 5. Devices list

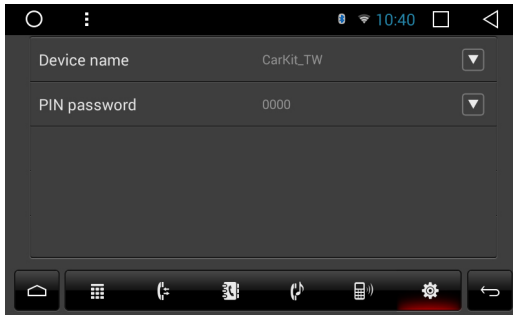
Tap  to view the paired devices list.


Tap  to find Bluetooth enabled devices near you.

Tap  to unpair the device.

Tap  to delete all Bluetooth pairing records.

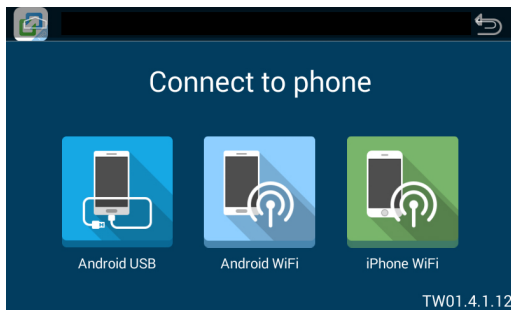
## 6. Bluetooth settings



- ① You can change the device name of this unit. Tap  to enter a different name.
- ② You can change the PIN password (Bluetooth pairing password). The default password is 0000. Enter another four-digit number, then tap OK to set a new password.

## Screen Mirroring

Tap Easy Connected on the apps menu screen to enter screen mirroring mode. When you connect a mobile phone with compatible apps installed, you can control the apps for the mobile phone directly from this unit.



**For Android smart phone:**

1. Connect via a USB cable

- a. Go to Settings > About Device, then tap Build number 7 times to enable Developer options. Turn on USB debugging. A message *Allow USB debugging?* will pop up. Turn *Always allow from this computer* on, and then tap OK.
- b. Connect your Android smart phone to this unit via a USB cable.

2. Connect via Wi-Fi

- a. Go to Settings > Wireless & networks > More > Tethering & portable hotspot, and then turn Portable Wi-Fi hotspot on or tap Set up Wi-Fi hotspot.
- b. Tap Android WiFi, then select your Android device name from the hotspot list. Enter the password when prompted.

✘ **Please note this function is only applicable for the smart phones equipped with wireless mirroring function, and it only supports Android version above 4.0. Audio streaming requires a Bluetooth connection.**

**For iPhone:**

- a. Go to Settings > Personal Hotspot, and then turn Personal Hotspot on.
- b. Tap iPhone WiFi, and then select your iPhone name from the hotspot list. Enter the password when prompted.
- c. Tap AirPlay in the Control Center on your iPhone. Select EC-Mirror and turn Mirroring on.

✘ **On iPhone 4/4s, only photos can be streamed wireless to this unit. On iPhone 5 and other later iPhone models, both music and photos can be streamed wireless to this unit. Video streaming requires the appropriate Apple cable or adapter.**

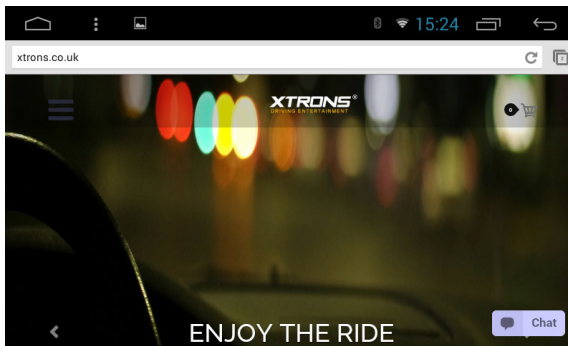
## Navigation



Built-in navigation offers detailed, reliable route guidance information to help you get where you want to go.

You can actually download a range of GPS Navigation apps via Google Play and run them on the unit. You can download Sat Nav apps like TomTom, Navigon, Route 66, Sygic, iGO, Google Maps and many more.

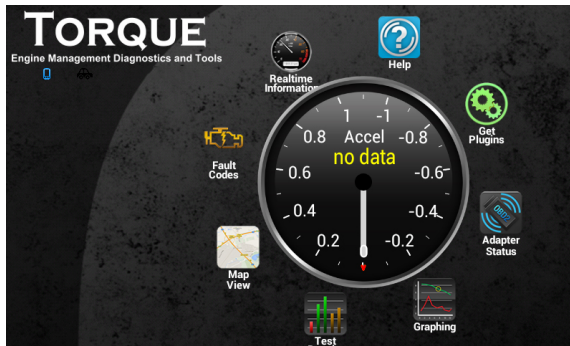
## Connect to the Internet



You can connect the unit to the Internet whenever necessary, using a Wi-Fi connection (if available) or 3G network (3G dongle is sold separately). You can browse the web, download apps via Google Play, play online games, etc. The possibilities are endless with the Internet in your car.

## OBD2

The unit supports OBD2 (On-Board Diagnostics) car diagnostics. With OBD2 function available on this unit, you can retrieve real-time data and trouble codes from your vehicle computer. All the data of your vehicle is displayed to you. (OBD2 Bluetooth car diagnostic scanner tool is sold separately.)



## DVR

You can control a car DVR camera (sold separately) on this unit and use it to record all the events of a journey.


## Google Play Store

Google Play brings together all your favorite movies, TV programs, books, music, magazines, apps and more in one place.

If you purchased content on Google Play in the past, you will automatically have access to this content on any Android device. Just make sure that you have signed in using the same account that you used to purchased it.

## DAB+ (Optional)

With use of a DAB dongle (sold separately), DAB+ (Digital audio broadcasting) tuner lets you enjoy the convenience of digital radio, while Auto DAB+ Tuning makes sure there are less signal interruptions. DAB+ digital radio brings you high-detail, digital-quality sound, lots of stations, program information and more.

DAB antenna (sold separately) needs to be positioned on the windscreen of your vehicle. Tap DAB+ on the apps menu screen, then tap  to search all available services automatically.



## Settings

### 1. Wireless & networks

#### 1.1 Wi-Fi

Turn Wi-Fi on or off.

Choose a network: Tap one of the listed networks, then enter the password, if asked.

#### 1.2 Data usage

View the data usage for your apps.

#### 1.3 More...

You can set up Portable Wi-Fi hotspot or VPN.

## **2. Device**

### **2.1 Sound**

- Reverse mute
- Speed-compensated volume control
- Sound priority
- Navi audio channel
- Navi volume
- Device ringtone

### **2.2 Display**

#### **2.2.1 Brightness**

Drag the slider to adjust the screen brightness.

#### **2.2.2 Brightness mode**

Choose from Auto, Light and Dark.

#### **2.2.3 Wallpaper**

Set an image or photo as wallpaper for the Home screen.

#### **2.2.4 Forced app orientation**

Choose from Auto, Landscape and Portrait.

#### **2.2.5 Font size**

Choose from Small, Normal, Large and Huge.

### **2.3 Storage**

- Internal storage
- SD card
- USB storage

### **2.4 Apps**

Manage all the apps downloaded on the unit or on an SD memory card.

## **3. Personal**

### **3.1 Location**

Turn Location services on or off.

## **3.2 Language & input**

### **3.2.1 Language**

Set the language for the unit. Choose from English, French, German, Spanish, and many more.

### **3.2.2 Spell checker**

Turn Spell checker on or off.

### **3.2.3 Personal dictionary**

Add words in the user dictionary.

### **3.2.4 Keyboard & input methods**

The default input method is English (US) - Android Keyboard.

### **3.2.5 Text-to-speech output**

The supported languages are English, French, German, Italian, Korean, Portuguese and Spanish.

### **3.2.6 Pointer speed**

Drag the slider to adjust the pointer speed.

## **4. Accounts**

Add a Google account.

## **5. System**

### **5.1 Date & time**

- Automatic date & time
- Automatic time zone
- Set date
- Set time
- Select time zone
- Use 24-hour format
- Choose date format

### **5.2 Developer options**

## **5.3 General**

### **5.3.1 Steering wheel**

This allows you to use the steering wheel control of your vehicle to control the unit.

### **5.3.2 Navi application**

Choose which GPS application you want to use for the navigation.

### **5.3.3 Navi auto start**

When this function is turned on, the navigation will work automatically after the unit is powered on.

### **5.3.4 Shutdown delay**

Choose from No delay, Delay 10min, Delay 30min and Delay 1 hour.

### **5.3.5 MCU update**

### **5.3.6 System update**

### **5.3.7 Reset factory**

Enter the password 7890 to reset settings and recorded contents to the factory settings.

### **5.3.8 Extra settings**

Enter the password 123456 to go to extra settings.

### **Brake setting**

Open: Video images cannot be viewed while your vehicle is in motion.

Close: Video images can be viewed while your vehicle is in motion.



## **CAUTION**

**For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.**

### Panel light setting

Connect the illumination wire to the positive pole of your vehicle headlights. This makes the dimmer function work.

Open: The unit will dim the panel lights and the display automatically when the headlights are on.

Close: The unit will not dim the panel lights and the display automatically when the headlights are on.

### Reverse mirror

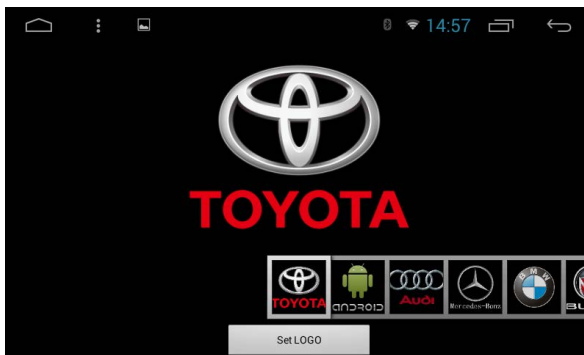
A separately sold rear view camera is required for utilizing the rear view camera function.

Open: Reverses the rear view camera images.

Close: Does not reverse the rear view camera images.

### Logo setting

Select one of the preinstalled car manufacturer logos as your start up screen. You can also select images imported from an SD memory card. You need to insert the SD memory card into the GPS card slot. The image size should be 800 pixels x 480 pixels and the image format should be BMP.



## 6. About device

- Processor type
- Android version
- MCU version
- System version
- DVD version

## **Troubleshooting**

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions.

### **No power**

- Car engine has not been started. Start the car engine.
- Incorrect wiring connection. Check the wiring.
- Fuse has been damaged. Replace fuse.

### **No sound**

- Volume is too low. Adjust volume.
- Incorrect wiring connection. Check the wiring.

### **No image**

- Parking brake wire connect is incorrect. Check the parking wiring.

### **Disc does not play**

- The disc is inserted upside down. Insert the disc with the label upward.
- The disc is dirty. Clean the disc.
- The disc is cracked or otherwise damaged. Insert a normal, round disc.
- The files on the discs are in an irregular file format. Check the file format.
- The disc format cannot be played back. Replace the disc.
- The loaded disc is a type this product cannot play. Check what type of disc it is.

### **The screen is covered by a caution message and the video cannot be shown**

- The parking brake lead is not connected or applied. Connect the parking brake lead correctly, and apply the parking brake.
- The parking brake interlock is activated. Park your vehicle in a safe place and apply the parking brake.

### **Image flashes or distorted**

- Video DVD settings do not match with the DVD. Adjust video DVD settings.
- Video connection is incorrect.

**Noise in broadcasts**

- Signals are too weak. Select other stations with stronger signals.
- Check the connection of the vehicle antenna.
- Change broadcast from stereo to mono.

**Preset station lost**

- Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

**The paired mobile phone connects and disconnects constantly**

- The Bluetooth reception is poor. Move the mobile phone closer to the product or remove any obstacle between the mobile phone and the product.
- Some mobile phones may connect and disconnect constantly when you make or end calls. This does not indicate any malfunction of the product.
- For some mobile phones, the Bluetooth connection may be deactivated automatically as a power-saving feature. This does not indicate any malfunction of the product.





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