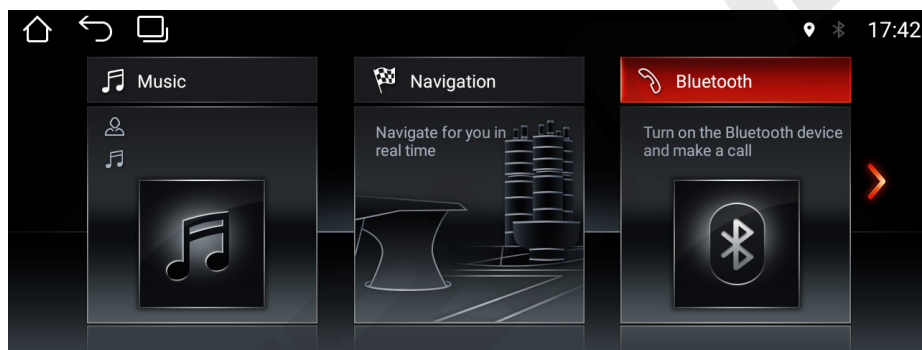


# XTRONS



## USER MANUAL

Thank you for buying this XTRONS product. Please read through these instructions so you will know how to operate this product properly. After you have finished reading the instructions, keep this document in a safe place for future reference.

## NOTICES

**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.**

**The navigation features of this product (and the rear view camera option if purchased) are intended solely to aid you in the operation of your vehicle. It is not a substitute for your attentiveness, judgment and care when driving.**

**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.**

**XTRONS disclaims any liability for any bodily injury or property damage that might result from any improper or unintended use.**

Pay close attention to all warnings in this manual and follow the instructions carefully.

The screens shown in the examples may differ from actual screens, which may be changed without notice for performance and function improvements.

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## Precaution

### Important safety information

#### WARNING

**XTRONS does not recommend that you install this product yourself. This product is designed for professional installation only. We recommend that only those service personnel, who have special training and experience in mobile electronics, set up and install this product. NEVER SERVICE THIS PRODUCT YOURSELF. Installing or servicing this product and its connecting cables may expose you to the risk of electric shock or other hazards, and can cause damage to this product that is not covered by warranty.**

- 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 images 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 images 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.

## 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.

## To prevent damage

### **WARNING**

- **The black cable is ground. When installing this product or power amp (if purchased), make sure to connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. The ground wire of the power amp and the one of this product or any other device must be connected to the car separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire generation of smoke or malfunction.**
- **When replacing the fuse, be sure to only use a fuse of the rating prescribed on this product.**
- To avoid short-circuiting, cover the disconnected lead with insulating tape. It is especially important to insulate all unused speaker leads, which if left uncovered may cause a short circuit.

## Installation notes

- Do not install this product in places subject to high temperatures or humidity, such as:
  - Places close to a heater, vent or air conditioner.
  - Places exposed to direct sunlight, such as on top of the dashboard.
  - Places that may be exposed to rain, such as close to the door or on the vehicle's floor.
- Install this product in an area strong enough to bear its weight. Choose a position where this product can be firmly installed, and install it securely. If this product is not securely installed, the current location of the vehicle cannot be displayed correctly.

- Install this product horizontally on a surface within 0 to 20 degrees tolerance (within 5 degrees to the left or right). Improper installation of the product with the surface tilted more than these tolerances increased the potential for errors in the vehicle's location display, and might otherwise cause reduced display performance.
- When installing, to ensure proper heat dispersal when using this product, make sure you leave ample space behind the rear panel and wrap any loose cables so they are not blocking the vents.
- In order to prevent interference, set the following items as far as possible from this product, other cables or leads:
  - FM, AM antenna and its lead
  - GPS antenna and its lead
  - DAB+ radio antenna and its lead
  - Digital TV antenna and its leadIn addition, you should lay or route each antenna lead as far as possible from other antenna leads. Do not bind, lay or route them together, or cross them. Electromagnetic noise will increase the potential for errors in the vehicle's location display.

## 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.

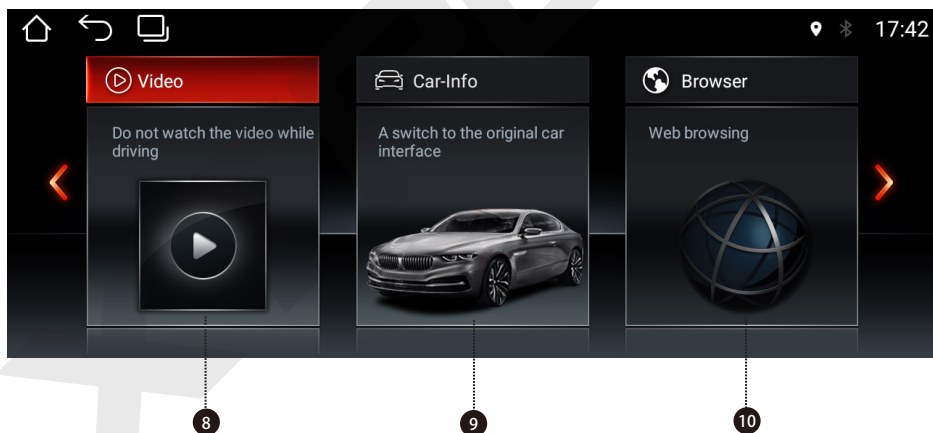
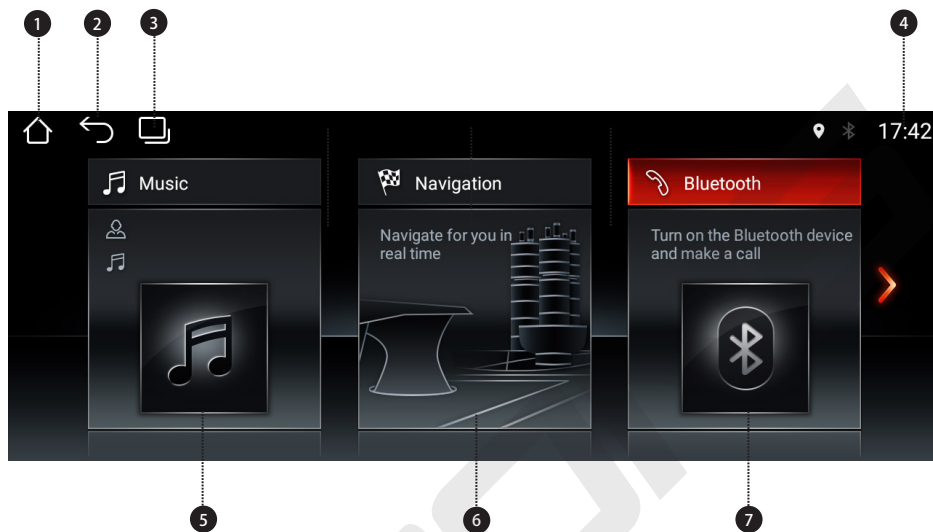


### **WARNING**

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



## Home Screen



1. Home

2. Back

3. Recent Apps

4. Time

5. Music

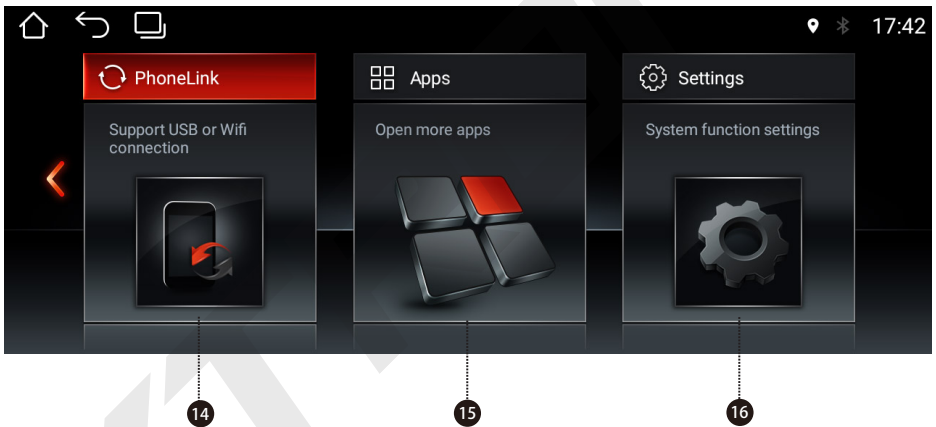
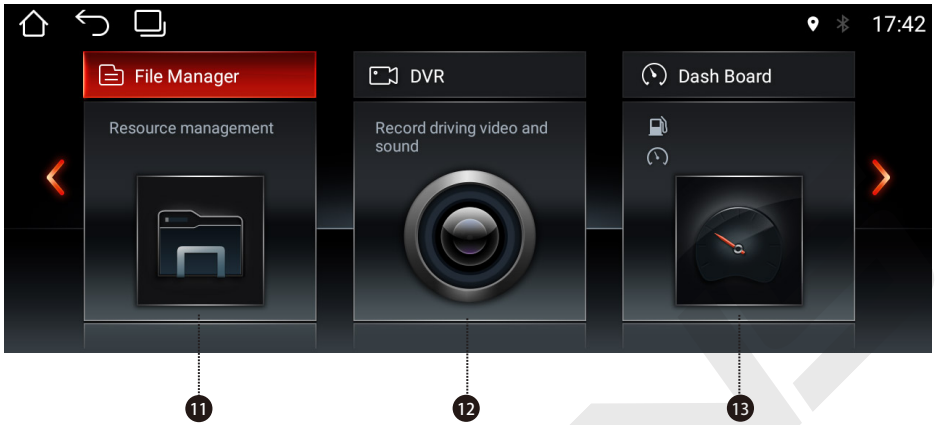
6. Navigation

7. Bluetooth

8. Video

9. Car Information

10. Browser

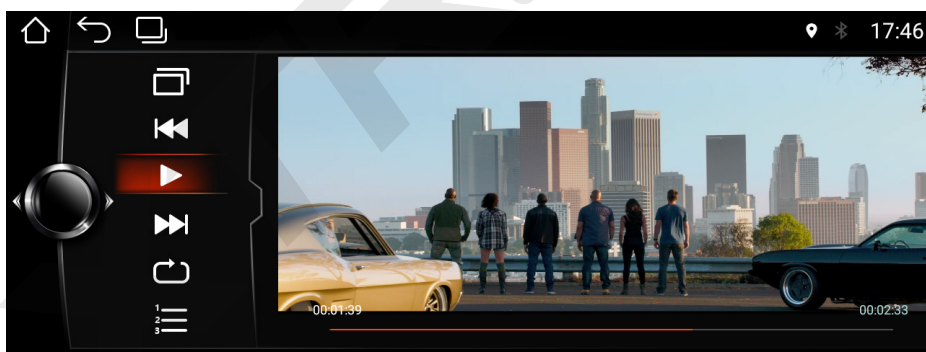
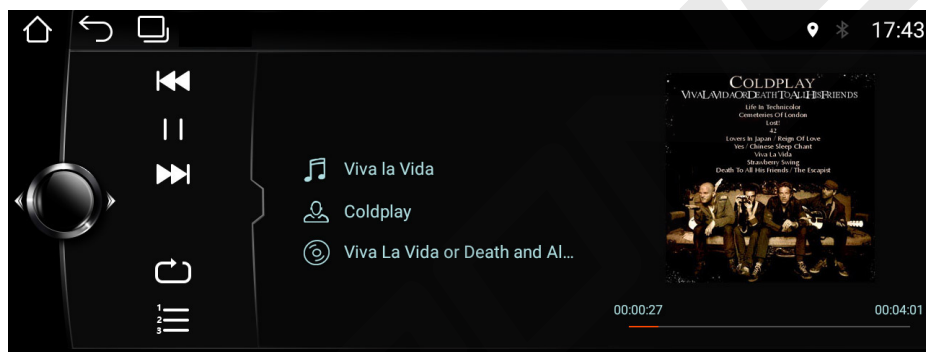


- 11. File Manager
- 12. DVR
- 13. Dash Board
- 14. Screen Mirroring
- 15. Apps
- 16. Settings

## USB/SD

Plug a USB storage device or insert an SD memory card and then tap Music on the Home screen to play music, tap Video to play video files, or tap Galley to view images and photos.

※ Please note that not all the models come with the SD card slots.



## AUX Input

You can display the video image output by the device connected to this unit.

## 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.

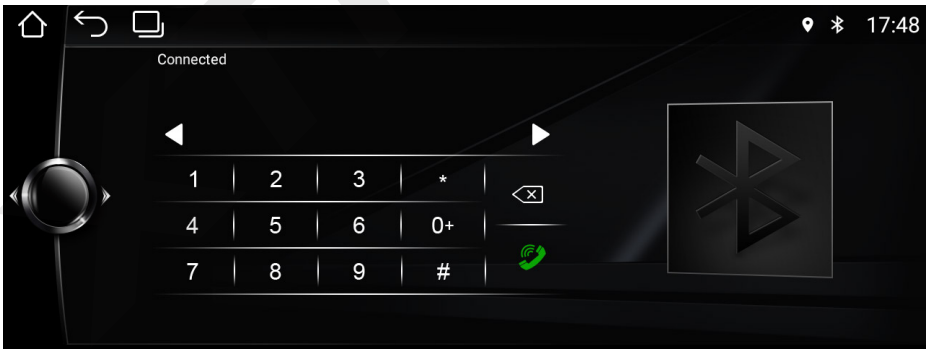
## Bluetooth

Connect your mobile phone to this unit via Bluetooth and use an external microphone to make and receive hands-free calls.

### Connection (Bluetooth pairing)

- The Bluetooth device must be within 1 meter of this unit. Turn on Bluetooth on the device.
- You can find this unit in the devices list of your Bluetooth device.
- If your Bluetooth device supports SSP (Secure Simple Pairing), a four-digit number password will be required. The default password is 0000.

## 1. Phone calls



Enter the number to make a call. You can also choose a contact from the phone book to make a call.


## 2. Recent calls



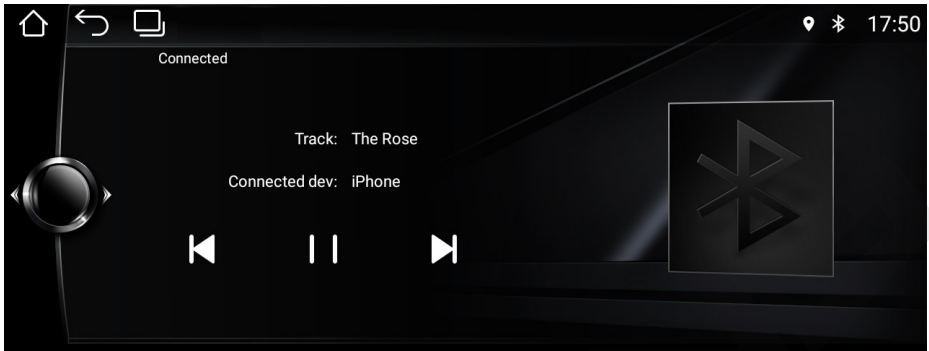
View recent outgoing calls, incoming calls or missed calls.

## 3. Phone book



Tap  to synchronize the contacts from your Bluetooth device.

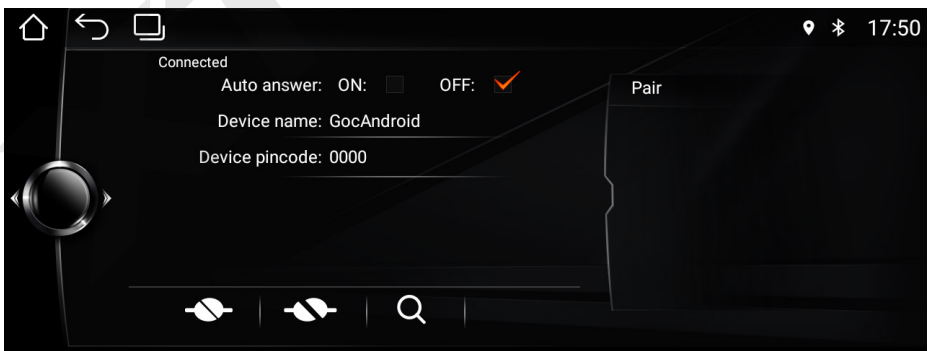
## 4. Bluetooth music



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

- ✘ **At first, you need to operate the music playback on your Bluetooth device. Then you can operate the Bluetooth music on the unit.**
- ✘ **Please note that the unit may not support the Bluetooth music function whilst some mobile phones are not quite compatible with the unit.**

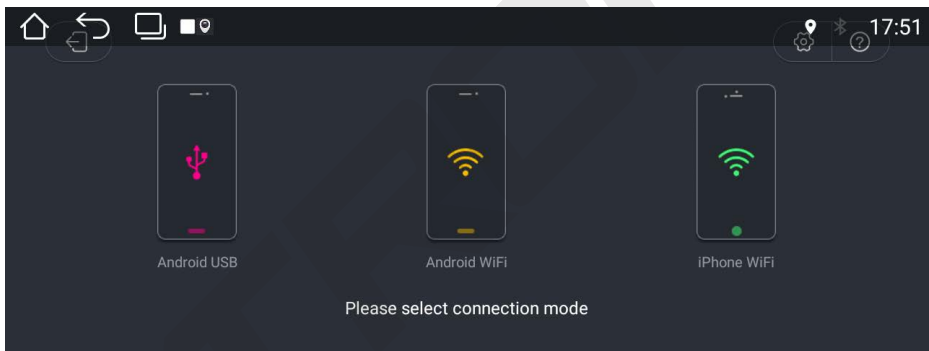
## 5. Bluetooth settings



- (1) You can turn Auto answer on or off.
- (2) You can change the Device name of this unit.
- (3) You can change the Device pincode (Bluetooth pairing password). The default password is 0000.

## Screen Mirroring

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



### For Android smart phone:

1. Connect via a USB cable
  - a. Go to Settings > About Device, and then tap Build number 7 times to enable Developer options. Turn on USB debugging. A message *Allow USB debugging?* will pop up. Turn on the Always allow from this computer option, 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 and 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 versions 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.

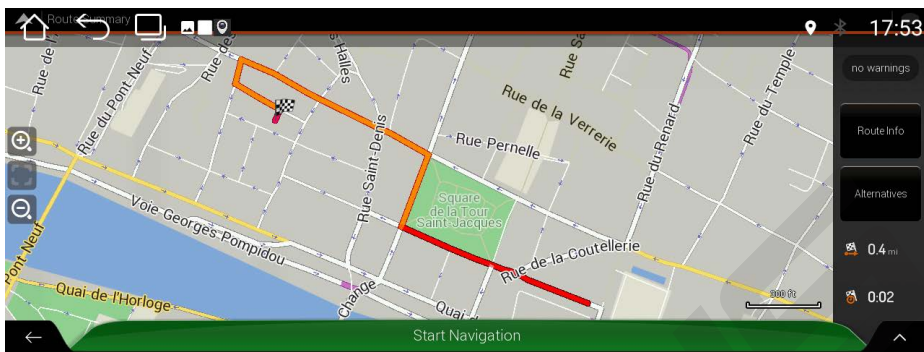
※ **On iPhone 4/4s, only photos can be streamed wireless to this unit. On iPhone 5 and other later iPhone models, both music and photos can be streamed wireless to this unit. Video streaming requires the appropriate Apple cable or adapter.**

## Navigation

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

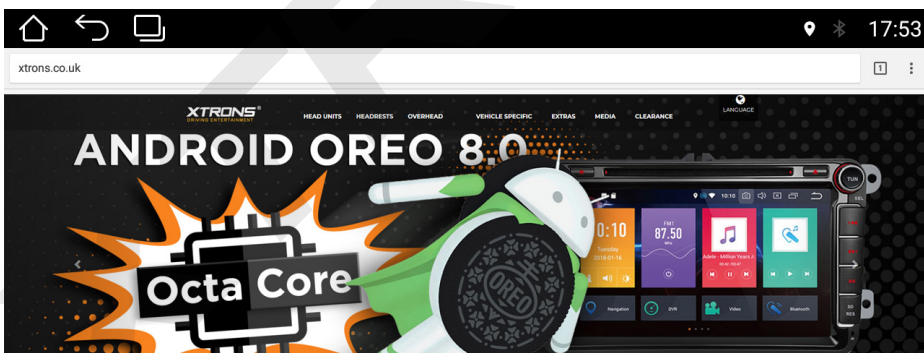
You can actually download a range of GPS Navigation apps via Google Play and run them on the unit. You can download Sat Nav apps like TomTom, Navigon, Route 66, Sygic, iGO, Google Maps and many more.





## Connect to the Internet

You can connect the unit to the Internet whenever necessary, using a Wi-Fi connection (if available) or 3G/4G network (the 3G/4G 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 (Optional)

The unit supports OBD2 (On-Board Diagnostics) car diagnostics. With the 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. (The OBD2 Bluetooth car diagnostic scanner tool is sold separately).



## DVR (Optional)

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

## DAB+ (Optional)

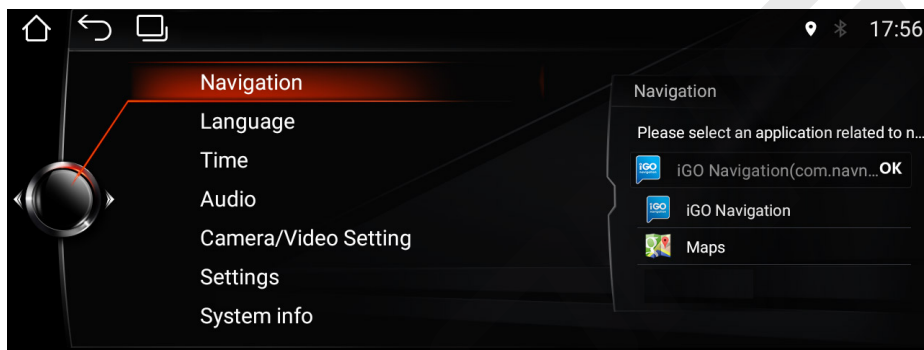
With use of a DAB dongle (sold separately), the DAB+ (Digital audio broadcasting) tuner lets you enjoy the convenience of digital radio, while Auto DAB+ Tuning makes sure there are less signal interruptions. DAB+ digital radio brings you high-detail, digital-quality sound with lots of stations, program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

The DAB antenna (sold separately) needs to be positioned on the windscreen of your vehicle.

## Settings

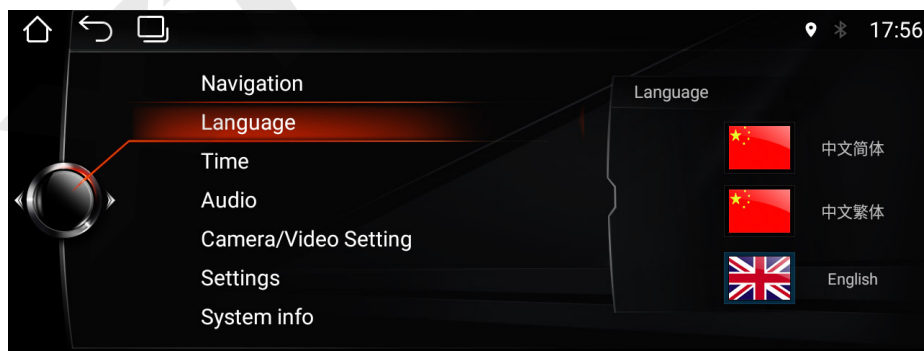
### 1. Navigation

Select an application you want to use for the navigation.



### 2. Language

Set the language for the unit. Choose from English, French, German, Spanish, and many more. You can add a language and arrange preferred language order by dragging them.



## 3. Time

### 3.1 24-hour

Set whether the unit shows 24-hour time or 12-hour time.

### 3.2 Original Time

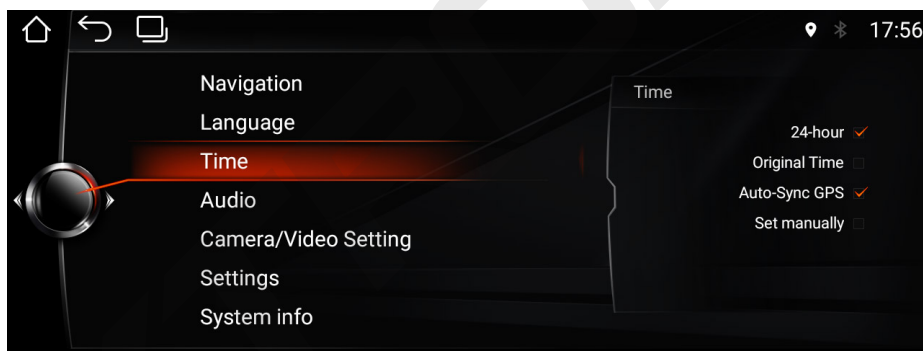
Set whether the unit shows the time based on the OEM mode.

### 3.3 Auto-Sync GPS

Set whether the unit updates the date and time automatically.

### 3.4 Set Manually

Set the date and time manually.



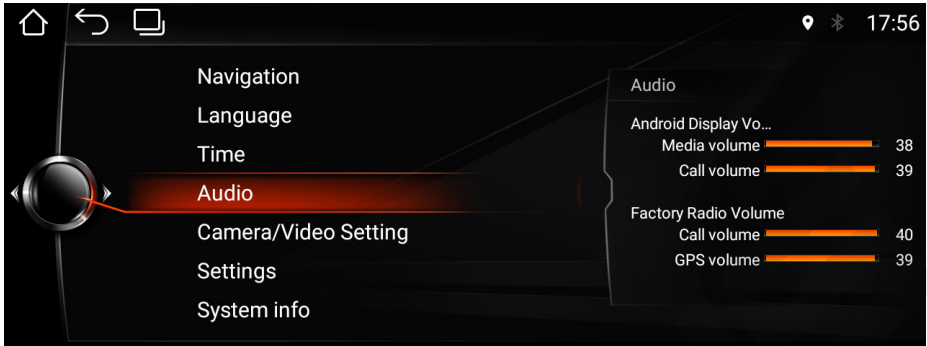
## 4. Audio

### 4.1 Volume Settings

Drag the slider to adjust the volume.

### 4.2 Sound Settings

Select one of the stored equalizer curves, or customize the equalizer curve as desired.



## 5. Camera/Video Setting

### 5.1 Rear Camera Mirrored

On: Reverses the rear view camera images.

Off: Does not reverse the rear view camera images.

### 5.2 Track

On: Displays the parking trajectory.

Off: Hides the parking trajectory.

### 5.3 Block Video While Driving

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

Off: 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.**

### 5.4 Radar

On: Display the radar information.

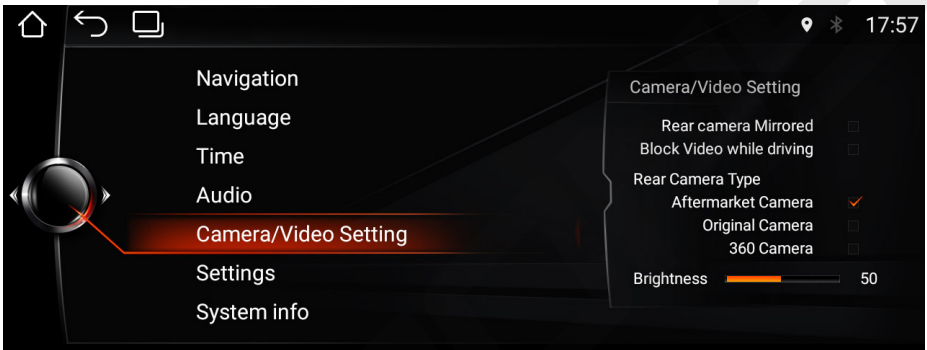
Off: Hides the radar information.

## 5.5 Rear Camera Type

Select the camera you are currently using among Aftermarket Camera, Original Camera, and 360 Camera.

## 5.6 Brightness

Drag the slider to adjust the screen brightness.



## 6. Settings

### 6.1 Wireless & networks

#### 6.1.1 Wi-Fi

Turn Wi-Fi on or off.

Choose a network: Tap one of the listed networks and then enter the password if required.

#### 6.1.2

View the data usage for your apps.

#### 6.1.3 More

You can set up Portable Wi-Fi hotspot, set up VPN, and reset network settings.

## **6.2 Device**

### **6.2.1 Display**

#### **- Wallpaper**

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

#### **- Font size**

Drag the slider to adjust the font size.

#### **- Cast**

### **6.2.2 Notifications**

Add or change an alert style for notifications from apps.

### **6.2.3 Sound**

Adjust the volume and change the ringtone.

### **6.2.4 Apps**

Manage all the apps installed on the unit.

### **6.2.5 Screenshot Settings**

Select the delay time to capture the screen and set the location of the screen storage.

### **6.2.6 Storage**

You can see how much storage space is available on the unit's internal storage.

### **6.2.7 Memory**

You can view the average memory usage. The default time-period is set to 3 hours. You can switch between 3, 6, 12 hours or 1 day to view average usage.

## **6.3 Personal**

### 6.3.1 Location

Turn location on or off.

Change the location accuracy mode. The accuracy modes use different sources to estimate the location.

### 6.3.2 Security

- Screen lock
- Make passwords visible
- Device administrators
- Unknown sources
- Storage type
- Trusted credentials
- User credentials
- Install from SD card
- Clear credentials
- Trust agents
- Apps with usage access

### 6.3.3 Google

- Ads
- Cast media controls
- Location
- Nearby
- Security
- Set up nearby device

### 6.3.4 Language & input

- Language
- Spell checker
- Personal dictionary
- Virtual keyboard
- Physical keyboard
- Text-to-speech output
- Pointer speed



**6.3.5 Back & reset**

- Back up my data
- Backup account
- Automatic restore
- Factory data reset

**6.4 System****6.4.1 Date & time**

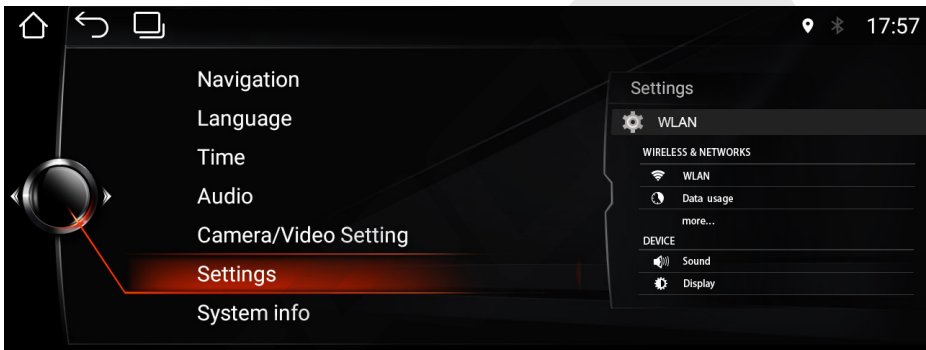
- Automatic date & time
- Set date
- Set time
- Select time zone
- Use 24-hour format

**6.4.2 Accessibility**

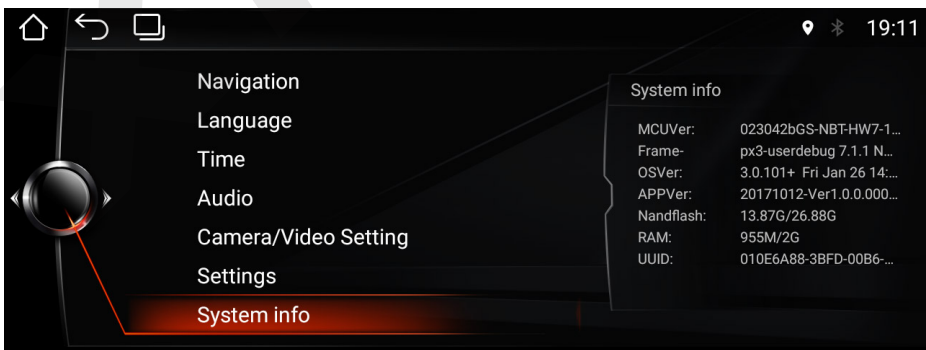
- Captions
- Magnification gesture
- Font size
- Display size
- Click after pointer stops moving
- High contrast text
- Auto-rotate screen
- Speak passwords
- Large mouse pointer
- Mono audio
- Accessibility shortcut
- Text-to-speech output
- Touch & hold delay
- Color inversion
- Color correction

### 6.4.3 About device

- System updates
- Status
- Legal information
- Regulatory labels
- Model
- Android version
- Android security patch level
- Kernel version
- Build number



## 7. System information

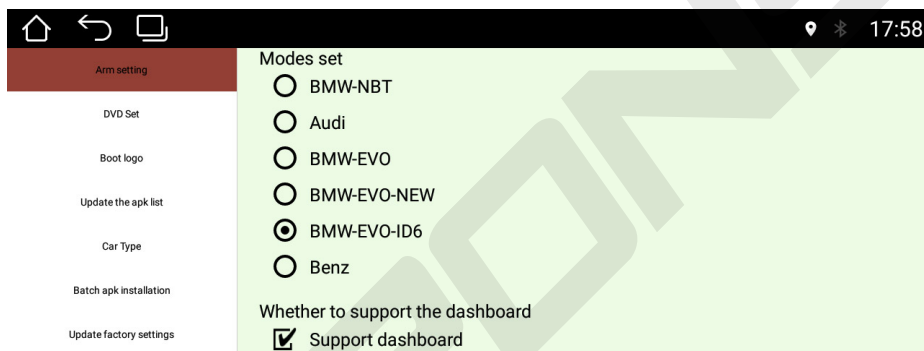


## 7.1 Factory Setup

Enter the password 1314 to go to Factory settings.

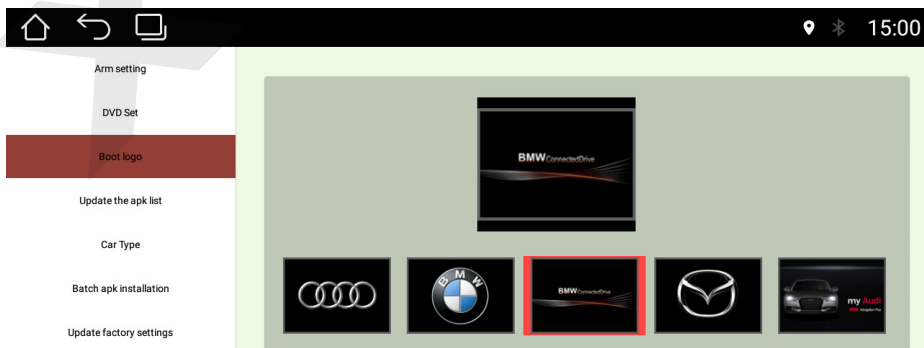
### User Interface Setting

Go to Settings > System info > Factory Setup > Arm setting > Modes set. You can set the user interface to what you prefer among BMW-EVO-ID6, BMW-EVO, and BMW-NBT. After setting the user interface, you need to press the reset button with a pen tip or other pointed implement to restart the unit.



### Boot Screen Setting

Go to Settings > System info > Factory Setup > Boot logo. You can select one of the preinstalled car manufacturer logos or images as the boot screen. After setting the boot screen, you need to press the reset button with a pen tip or other pointed implement to restart the unit.



## **7.2 Reset**

Reset settings and recorded contents to the factory settings.

- Do not perform this operation when a device is connected to this product.
- Some of the settings and recorded contents will not be reset.

The microprocessor must be reset under the following conditions:

- Prior to using this product for the first time after installation.
- If this product fails to operate properly.
- If there appears to be problems with the operation of the system.
- If your vehicle position is shown on the map with a significant positioning error.

## **7.3 Stop MCU Server**

## **7.4 MCU Upgrade**

XTRONS

## **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**

- The car engine has not been started. Start the car engine.
- Incorrect wiring connection. Check the wiring.
- The fuse has been damaged. Replace the fuse.
- The CANBUS box has been damaged. Replace the CANBUS box.

### **No sound**

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

### **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 connection is incorrect.

### **A black screen is displayed, and operation is not possible**

- The rear view camera image is displayed with no camera connection and the wrong camera polarity setting. Install the rear view camera and then change the camera polarity settings.

### **GPS positioning is not possible**

- GPS positioning is disabled if signals cannot be received from more than two GPS satellites.
- In some driving conditions, signals from GPS satellites may not reach your vehicle. In this case, it is impossible for the system to use GPS positioning.
- If a car phone or cellular phone is used near the GPS antenna, GPS reception may be lost temporarily.

### **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.

## Appendix

### When using this product

- Use this product where the ambient temperature is between -10° and 50° C. Using this product in the conditions outside of its operating range might cause temporary or permanent damage to the system, and such damage may not be covered by the manufacturer's warranty. Store the product where the temperature is between -20° and 80° C.
- Do not connect a USB storage device via a USB hub.
- Connecting a USB cable of which total length is longer than 5 meters may result in abnormal playback.
- When this product cannot recognize the connected USB storage device, disconnect the device and replace it with another USB storage device.
- Do not take out the SD card preloaded with map data when this product is powered on. Take the SD card out when the product is powered off.
- Do not use any software which is not provided by XTRONS to update the system. If you require the system update, please consult your dealer.

### Handling the screen

- When the screen is subjected to direct sunlight for a long period of time, it will become very hot, resulting in possible damage to the screen. When not using this product, avoid exposing it to direct sunlight as much as possible.
- Do not use the screen at temperatures higher or lower than the operating temperature range, because the screen may not operate normally and could be damaged.

- The screen is exposed in order to increase its visibility within the vehicle. Please do not press strongly on it as this may damage it.
- Do not push the screen with excessive force as this may scratch it.
- Never touch the screen with anything besides your finger when operating the touch panel functions. The screen can scratch easily.

## **Maintaining the screen**

- When removing dust from or cleaning the screen, first turn this product off and then wipe the screen with a soft dry cloth.
- When wiping the screen, take care not to scratch the surface. Do not use harsh or abrasive chemical cleaners.



## For more information, please visit our websites



xtrons.com



xtrons.co.uk

## For installation and technical advice please visit



[www.forum.xtrons.co.uk](http://www.forum.xtrons.co.uk)



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