



## INSTRUCTION MANUAL

### ZA901



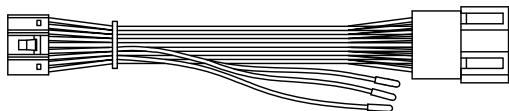
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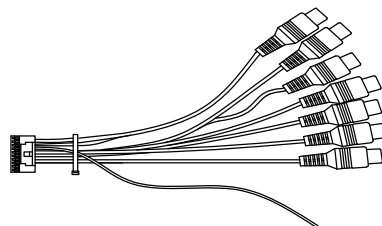
## ACCESSORY LIST

Please check the following accessories after opening the package.

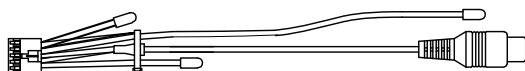
Power Cable x1



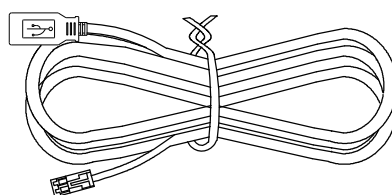
20P RCA Cable x1



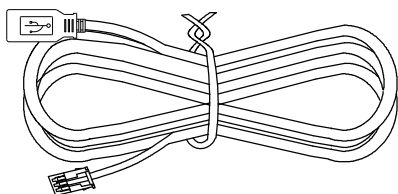
WIFI/BT Creama Cable x1



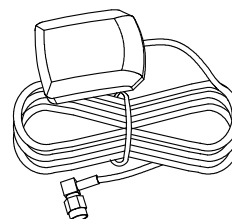
4P-USB Cable x1



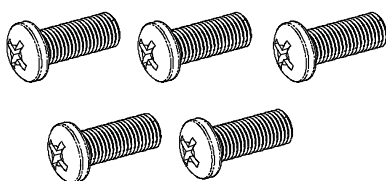
6P-USB Cable x1



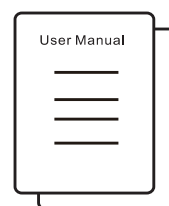
GPS Antenna x1



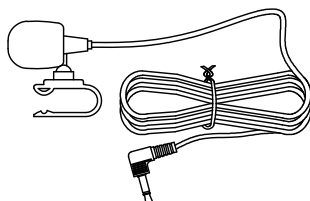
Installation Screw x5



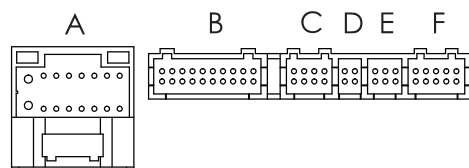
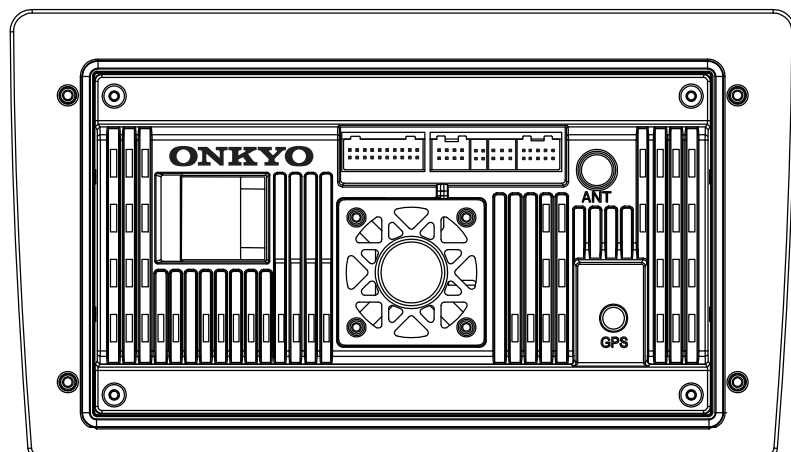
User Manual x1



Microphone x1



# WIRING CONNECTION



A--Power      D--4P USB  
B--AV          E--6P USB  
C--Can bus    F--Camera

## A:Power

Label	Color	Name
	Black	Ground Wire
	Yellow	Battery Wire
	Red	Lgnition Wire
	Orange	Lamp Control Wire
	Pink	Reverse Wire
BACK	Orange/Black	Steering Wheel Control Wire 1
KEY1	Brown/Black	Steering Wheel Control Wire 2
KEY2	Blue	Automatic Antenna
ANT	Gray/Black	Front Right Speaker-
	Gray	Front Right Speaker+
	Green/Black	Rear Left Speaker-
	Green	Rear Left Speaker+
	White/Black	Front Left Speaker-
	White	Front Left Speaker+
	Purple/Black	Rear Right Speaker-
	Purple	Rear Right Speaker+

## B:Input/Output

Label	Color	Name
CVBS-IN-1	Yellow	Video Input
AUX IN_L	White	Audio Left Input
AUX IN_R	Red	Audio Right Input
AUDIO OUT L	White	Audio Front Left Output
AUDIO OUT R	Red	Audio Front Right Output
SUB WOOFER	Blue	Audio Subwoofer Output
MIC	Black	External Microphone Port
AMP_POW	Blue	Amplifier Control wire

## D:4P USB

Pin	Name	Pin	Name
1	USB_5V	3	USB_DP0
2	GND	4	USB_DM0

## C:Can bus-no wire rod

Pin	Name	Pin	Name
1	GND	5	PWR_CON
2	NC	6	AUX AUDIO_IN
3	NC	7	NC
4	CAN_TX	8	CAN_RX

## F:Camera Input

Label	Color	Name
BRAKE	Blue	Wifi Antenna
B.CAMERA	Pink	Brake Detection wire
	Yellow	Back Camera Input
	Blue	Bluetooth Antenna

## E:6P USB






Pin	Name	Pin	Name
1	USB_5V	4	USB_DP1
2	GND	5	USB_DM1
3	NC	6	NC

## PANEL OPERATION



### Function

### Operations & Controls













- |   |   |
|---|---|
| 1. MIC  | Invalid, please use external microphone.  |
| 2. RST  | Press with a pointed object (such as a ball point) to reset the unit to its initial setting by the factory (default stage). |
| 3. Power   | In the power-on state:<br>Press to Mute.<br>Press and hold for more than 5 seconds to turn off the screen.                  |
| 4. Home    | Press to enter main menu.   |
| 5. Return  | Press to back to previous.  |
| 6. Volume  | Short press to increase volume.   |
| 7. Volume  | Short press to decrease volume.   |

# HOME MENU

Upon booting, the unit will enter to home menu, as shown below.



## THE FUNCTIONS ARE AS FOLLOWS:

-  Click to enter music interface.
-  Click to enter Radio interface.
-  Click to enter ApplePlay / Airplay.
-  Click to enter Android Auto / Android Link.
-  Click to enter EQ adjustment.
-  Click to enter car settings interface.
-  Click to enter add app interface.
-  Click to enter maps interface.
-  Click to enter Bluetooth interface.
-  Click to enter ApplePlay / Android Auto / Airplay / Android Link.
-  Click to enter menu interface.
-  Click to enter Shutdown interface.

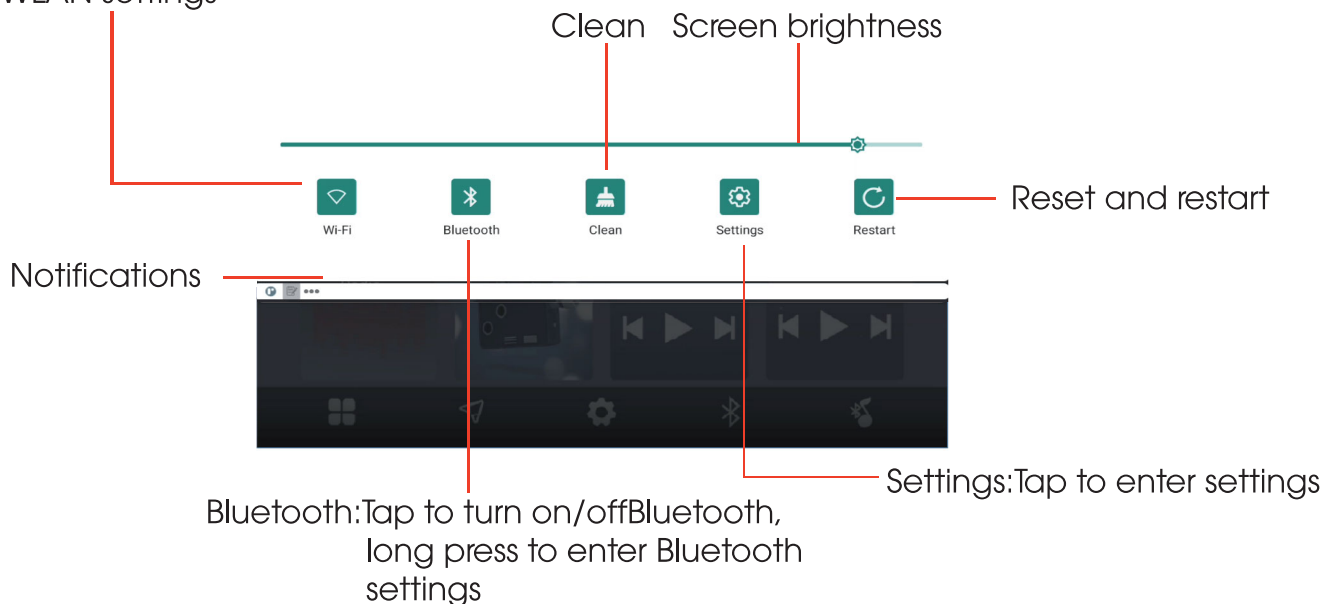
# HOME



# DROPDOWN MENU

Slide your finger down the top edge to trigger the drop-down menu page;  
Swipe down again on the drop-down menu page to pull up the brightness adjustment.

WLAN: Tap to turn on/off Wlan,  
long press to enter the  
WLAN settings



# RADIO



- ① Available stations list.
- ② Tap it to enter RDS feature settings.
- ③ ④ Tap it to step manually up and down the frequency.  
Tap and hold it to automatically scan to the next available station.
- ⑤ Radio function status display.
- ⑥ Tap to switch bands (FM/AM).
- ⑦ Auto scan the available radio station.
- ⑧ Auto browse the available radio station.
- ⑨ To turn on local function.
- ⑩ Tap it to set up sound effects.

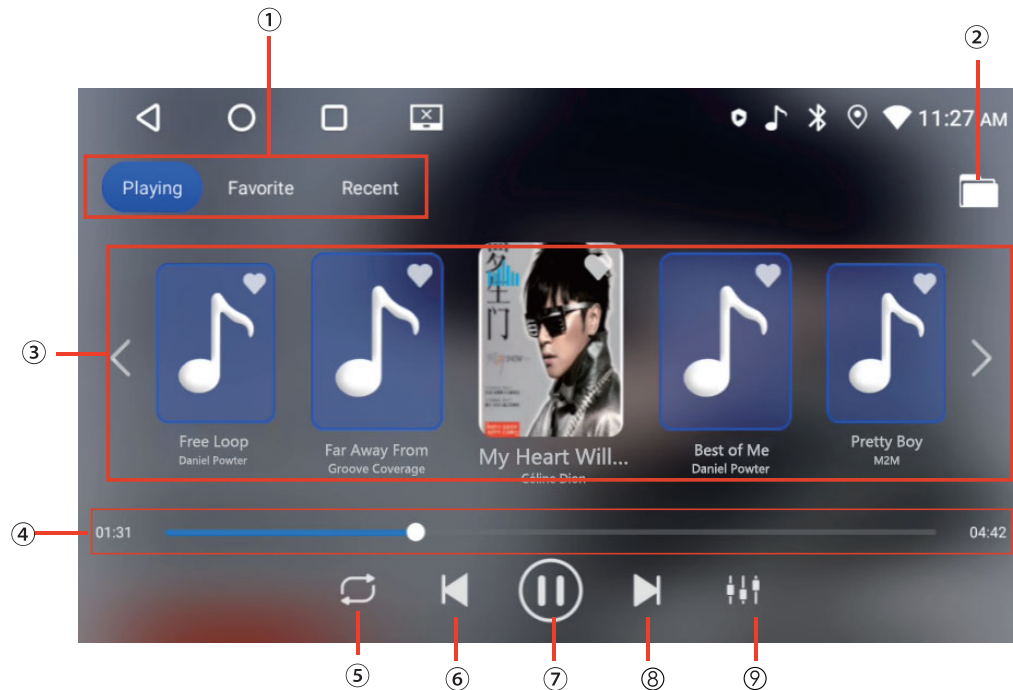
## CAUTION

If your radio is not RDS enabled, the RDS icon ② and the AF, TP, and TA ICONS ⑤ will not appear on your interface.



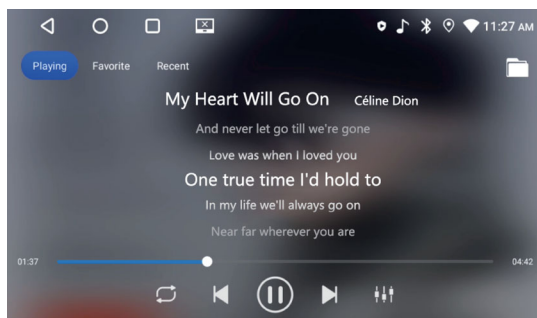
# MUSIC

## Function description



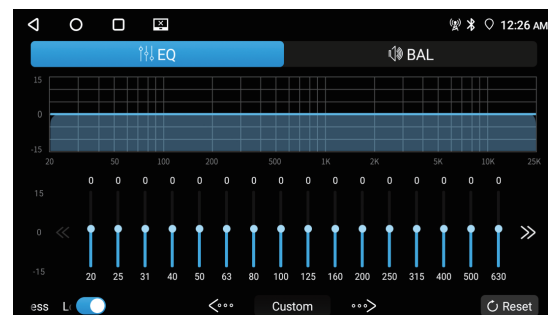
- ① Tap to select the playing/favorites/recent playlist.
- ② List music files in folders.
- ③ Playing/Favorites/Recent playlist.
- ④ Tap to play forward or backward.
- ⑤ Tap to active shuffle/repeating.
- ⑥ Tap to play last.
- ⑦ Tap to play or pause.
- ⑧ Tap to play next.
- ⑨ Tap it to go to the sound effect setup.

## Lyrics



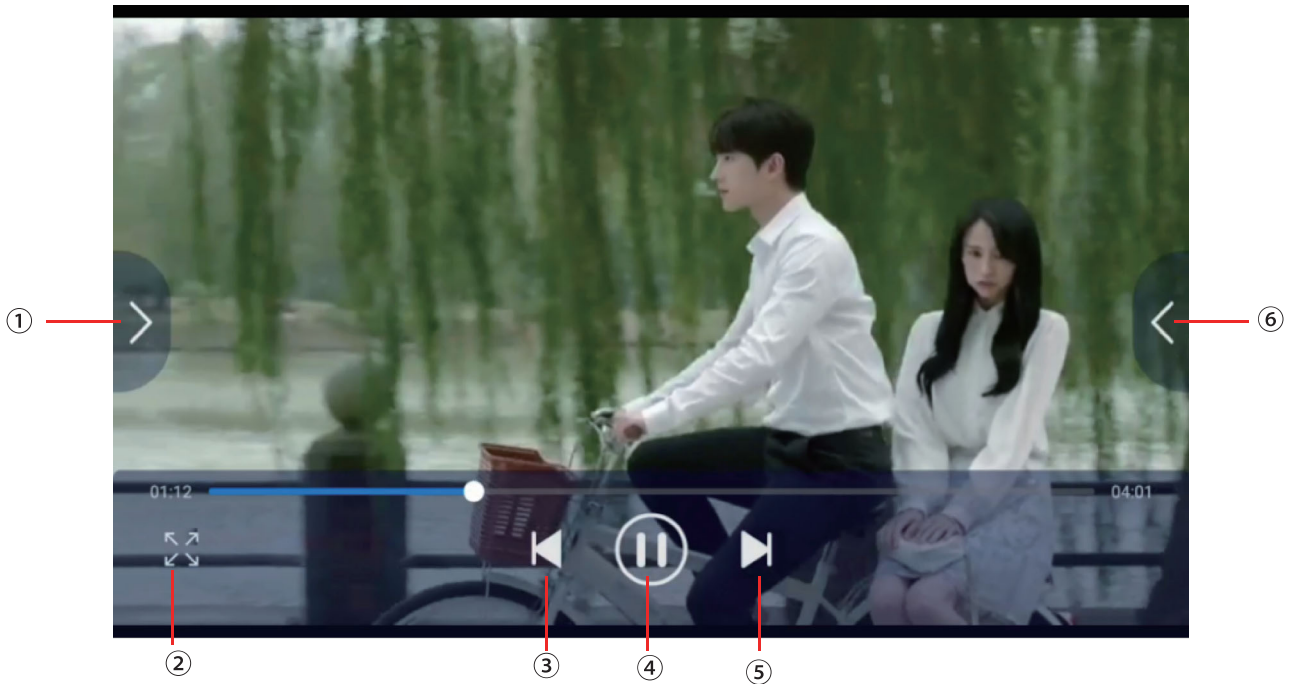
Tap to the album cover of the song to view the lyrics.

## EQ



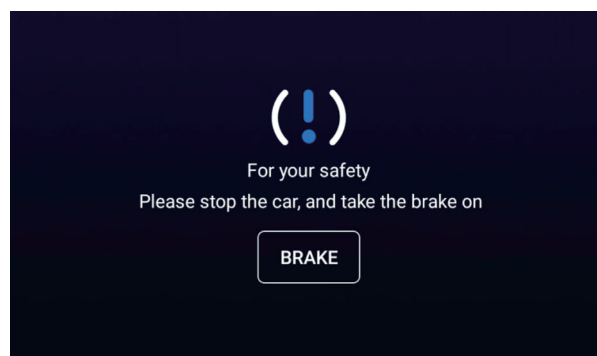
Preset EQ : Custom / Normal / Pop / Rock Classic / J azz.

## VIDEO



- ① List video files in folders.
- ② Fullscreen.
- ③ Tap to play last.
- ④ Tap to play or pause.
- ⑤ Tap to play next.
- ⑥ Tap to access the playlist.

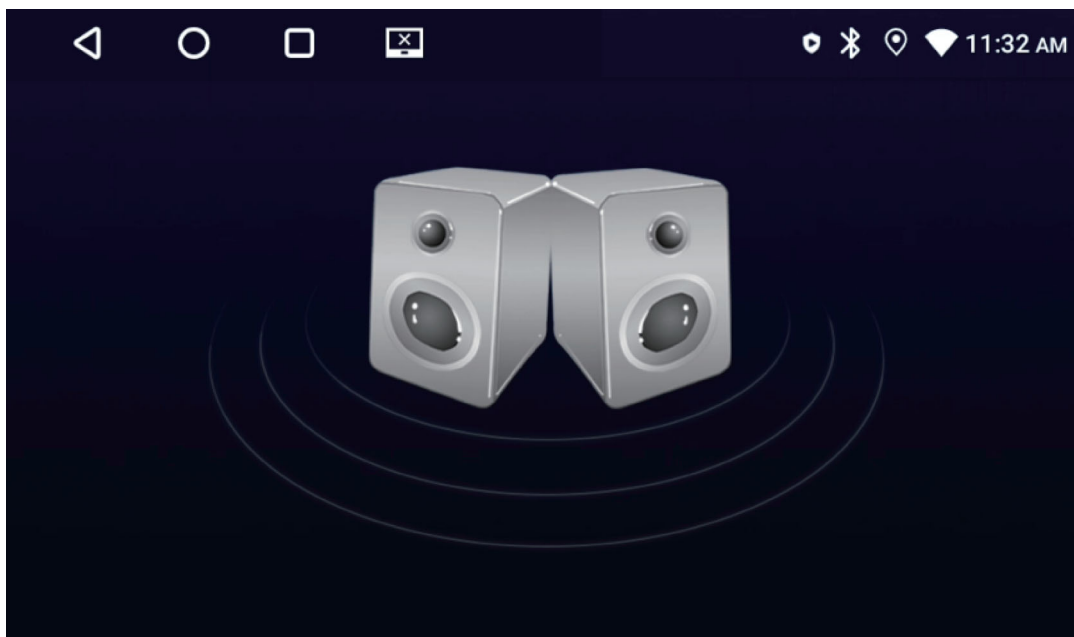
## ! CAUTION



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.

## AUX and AV-IN

### AUX



You can play the audio from external portable audio player connected to this unit.

### AV-IN



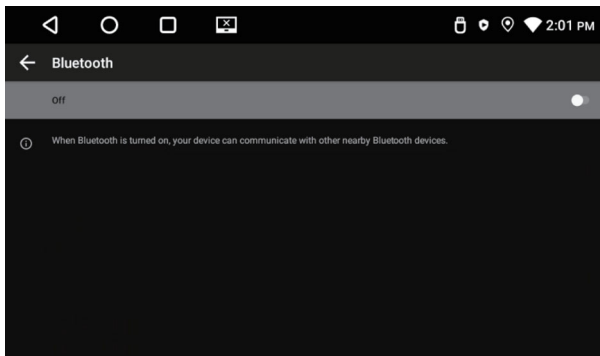
You can display the video image output by the device connected to this unit.

## **CAUTION**

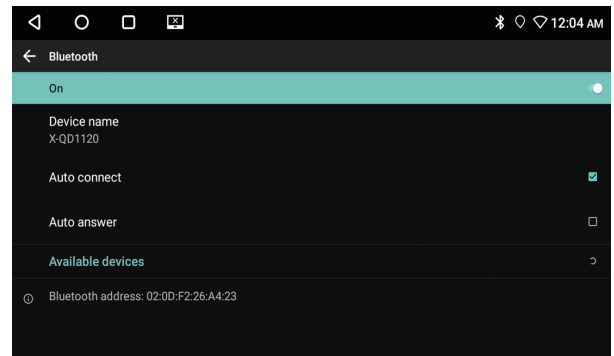
For safety reasons, video images cannot be viewed while your vehicle is in motion.  
To view video images, stop in a safe place and apply the parking brake.

# BLUETOOTH PHONE

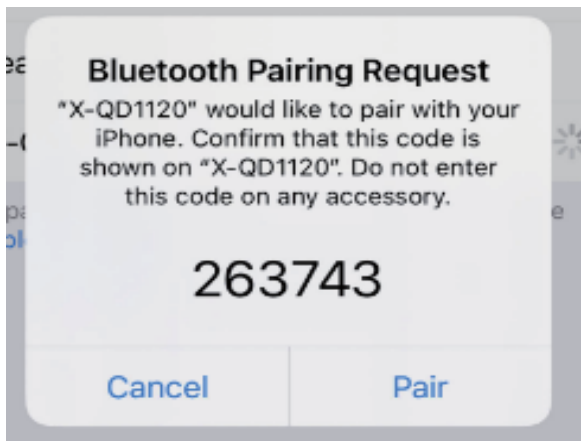
## First-time Bluetooth connection steps



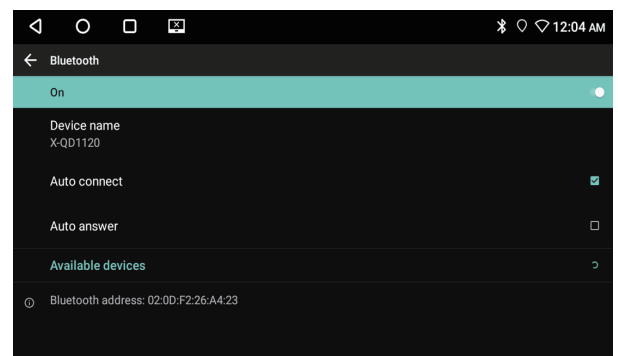
Step 1: Enter (Settings) - (Bluetooth), then tap (ON) to turn on the Bluetooth switch.



Step 2: Turn on Bluetooth on your mobile phone to allow the car system to detect your mobile device. Click on the name of your mobile device to start the connection.

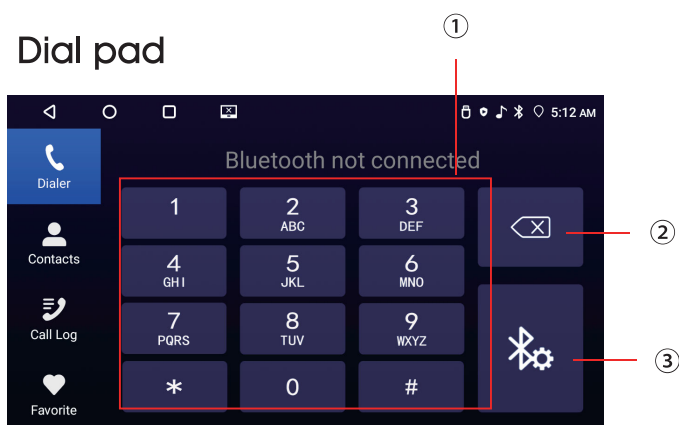


Step 3: On the mobile phone, tap to (PAIR) to confirm the pairing.



Step 4: After successful pairing, connect the Bluetooth.

## Dial pad

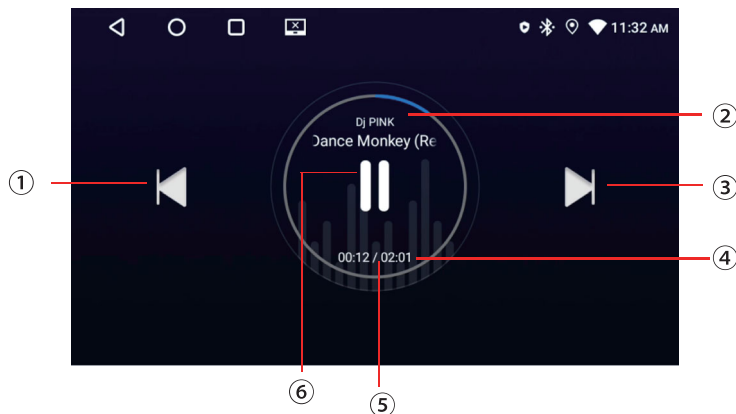


Enter the phone number using the ① dial pad. Tap ② to erase a wrong number. Tap and hold it to erase the entire number. After entering phone number, tap. ③

## ! ATTENTION

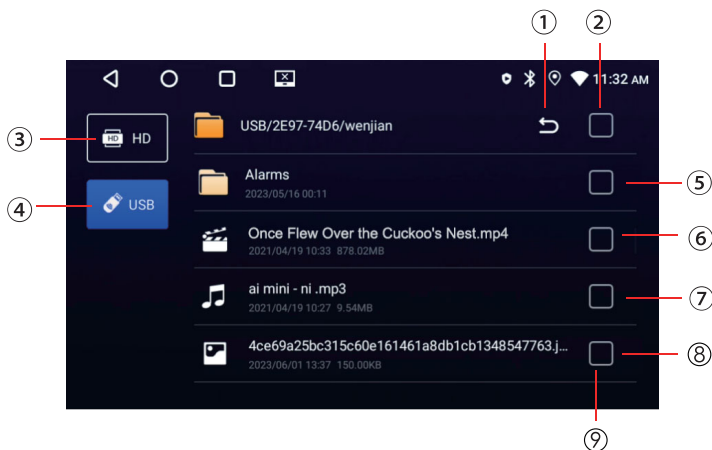
For your safety, it is prohibited to make phone calls while driving

## BLUETOOTH MUSIC



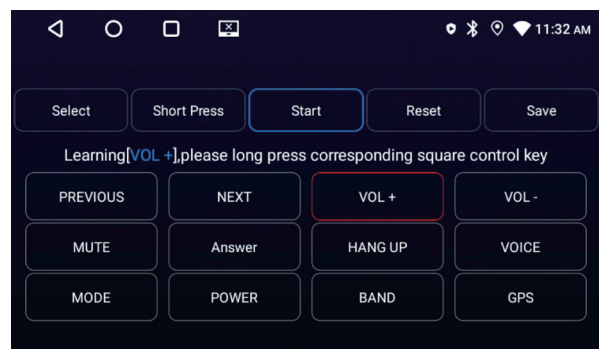
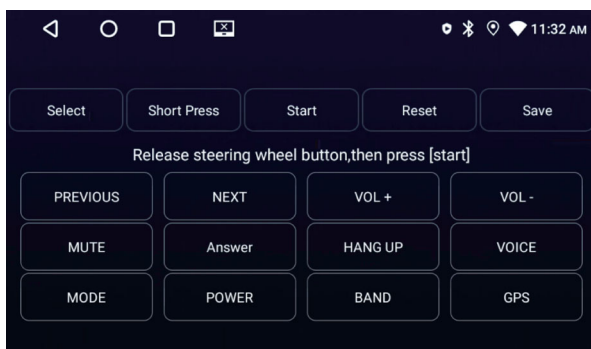
- ① Tap to play last.
- ② Song/Album/Singer.
- ③ Tap to play next.
- ④ Play progress bar
- ⑤ Tap to play forward or backward
- ⑥ Tap to play or pause.

## FILE EXPLORER



- ① Back
- ② Select All/Deselect All
- ③ HD device file
- ④ USB device file
- ⑤ Folder
- ⑥ Video file
- ⑦ Music file
- ⑧ Photo file
- ⑨ Select /Deselect

## SWC



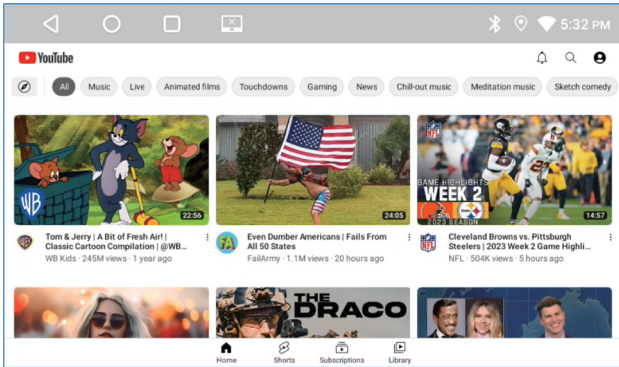
- a. Connect SWC1/SWC2/GND wires of the unit to your vehicle SWC wires.
- b. Tap to "Reset" and then Tap to "Start".
- c. Select the key you want to set up.

- d. Press and hold the corresponding key that needs to be set on the steering wheel. It's setup successfully when a green tick appears.
- e. Repeat 3~4 times to complete the settings of all keys.
- f. Tap to "Save".

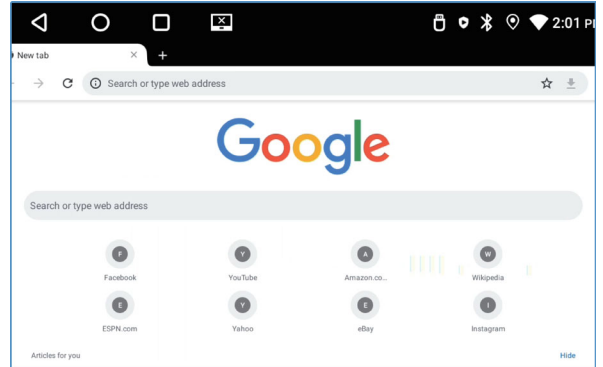


## THIRD PARTY APPLICATIONS

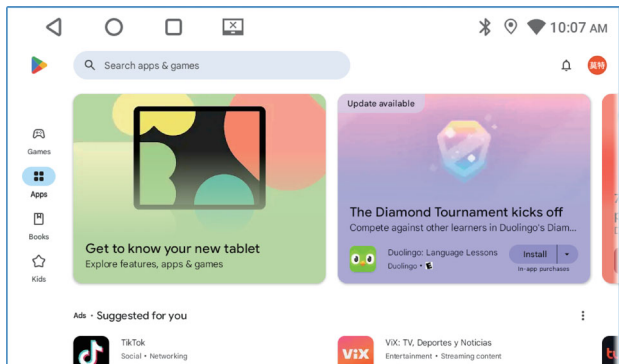
YouTube



# Google Chrome



Google Play

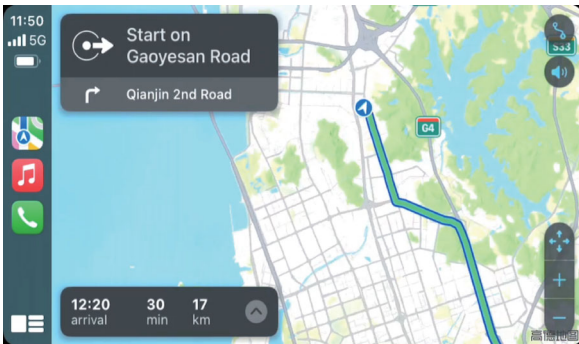


## Netflix

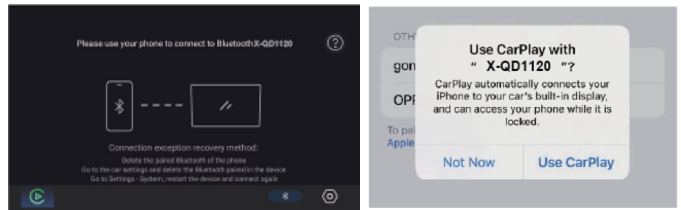


# PHONE CONNECT

## Apple CarPlay (Wireless Connection)

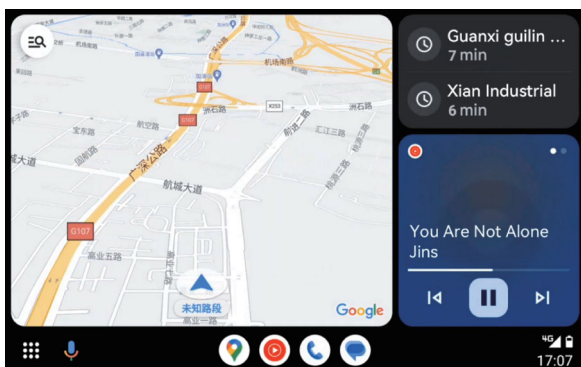


When connected to CarPlay in a driving vehicle, you can intelligently and safely use various iPhone functions, including navigation, making calls, sending and receiving messages, playing music, and viewing the calendar, among others.

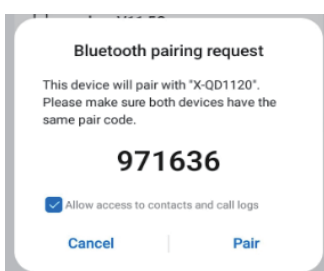
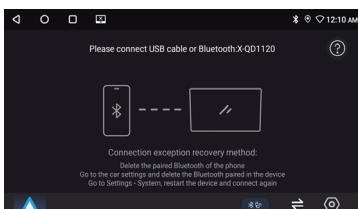


1. The car's infotainment system enters the CarPlay connection interface.
2. The mobile device connects to the car's Bluetooth.
3. On the mobile device, select "Use CarPlay" in the pop-up window to start using wireless CarPlay functionality.

## Android Auto (Wireless Connection)



Android Auto is an application framework developed by Google that allows users to wirelessly connect their Android smart phones to the vehicle's entertainment system. It presents the applications, music, navigation, communication, and other features from the phone on the vehicle's touch screen.



1. The car's infotainment system enters the Android Auto connection interface.
2. The mobile device connects to the car's Bluetooth.
3. On the mobile device, tap to (PAIR) in the pop-up window to start using wireless Android Auto functionality.

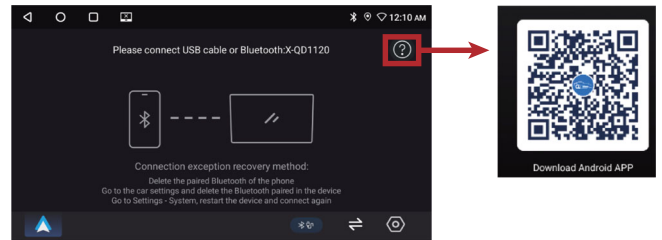
## PHONE CONNECT

### Screen Cast



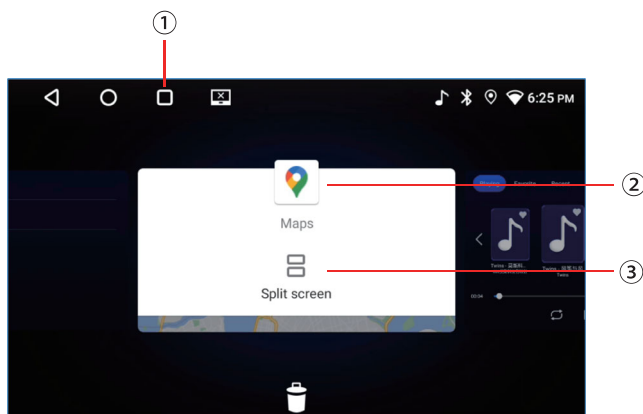
Mobile connectivity is a technology and product that connects mobile devices with vehicle displays to achieve a more convenient and enriching operating and user experience.

Wireless screen projection function:  
link via mobile phone hotspot



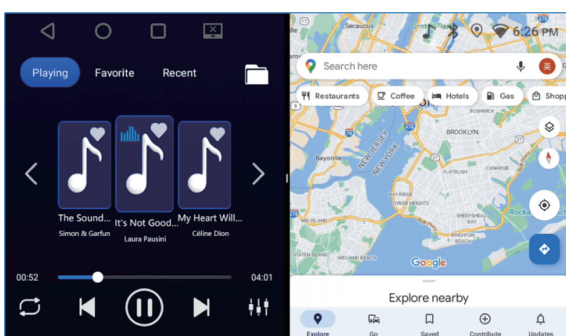
1. Click the question mark in the upper right corner to pop up the screen projection QR code
2. Scan the QR code to download the Internet application (Android phone)
3. After opening this Internet application, follow the instructions to connect

## SPLIT SCREEN DISPLAY



You can display two applications on one screen at the same time.

Tap ① to enter the task menu interface, tap ② to display the split screen button, and finally tap ③ to open the split screen display.



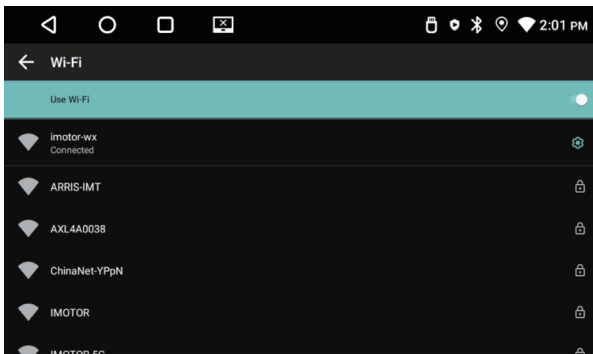
## ! ATTENTION

Support split screen applications: Radio, Music, Navigation, Bluetooth, music, Setting. Unsupported applications cannot enable split screen display.



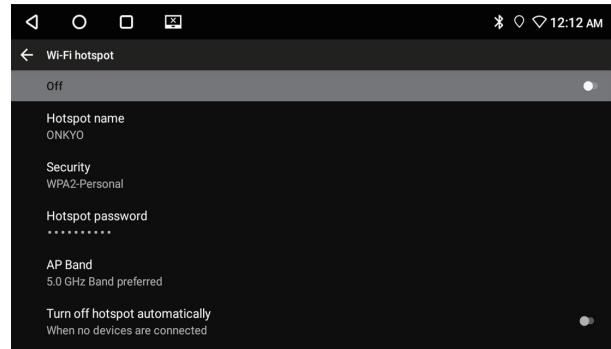
# SETTING

## WLAN



### WLAN

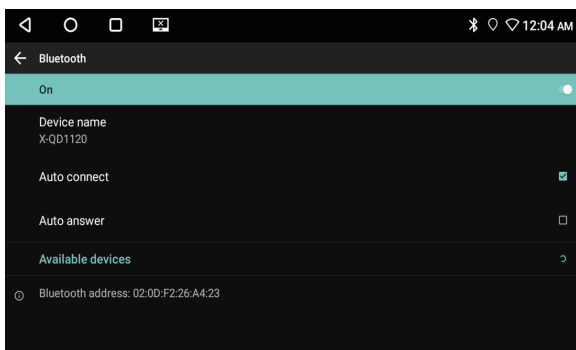
Turn on the WLAN switch, start scanning for nearby WLAN networks, and list the available networks.



### Wi-Fi hotspot

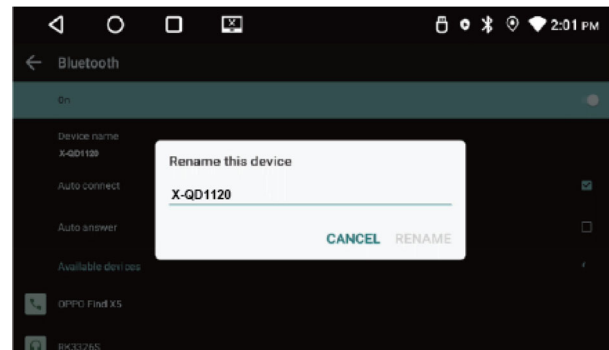
Turn on the Wi-Fi hotspot switch, nearby devices can connect to the system via WiFi, enabling shared network access and interconnectivity.

## Bluetooth



Turn on the Bluetooth switch and start scanning for nearby Bluetooth devices. If there are matched Bluetooth devices nearby and the "Auto connect" option is enabled, the system will automatically connect to those devices.

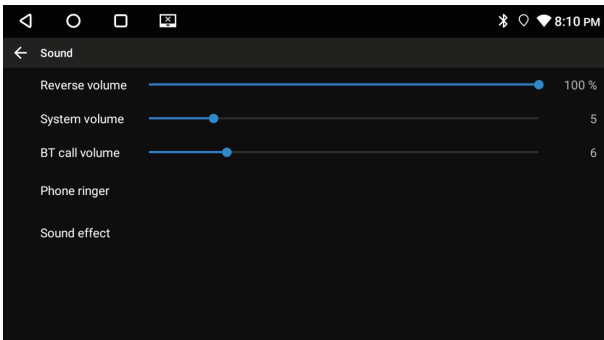
If it is the first time pairing, a Bluetooth connection request pop-up will appear on the mobile device. Tap to "Pair" to establish the connection.



Tap to the "Device Name" and a pop-up keyboard will appear, allowing you to rename the device.

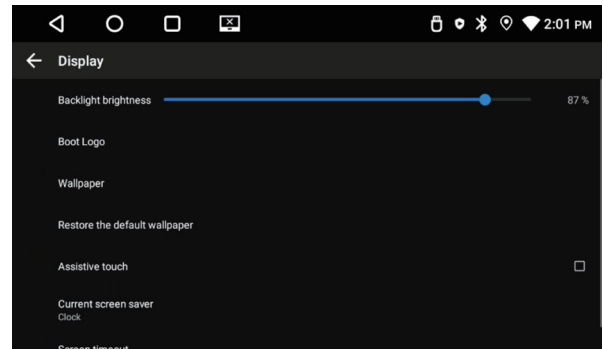
# SETTING

## Sound



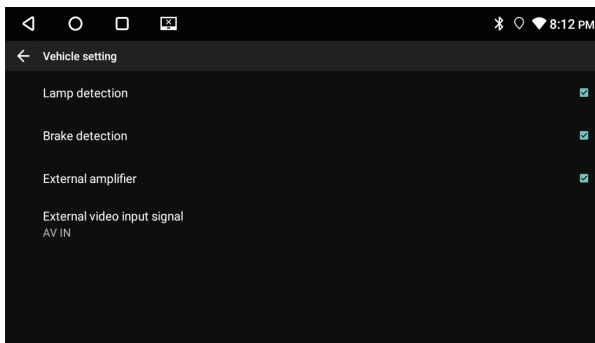
You can to set the: Media volume ratio、 System volume、 BT HFP、 Phone ringer , etc.You can set your favorite phone ringer and keypad tone.

## Display



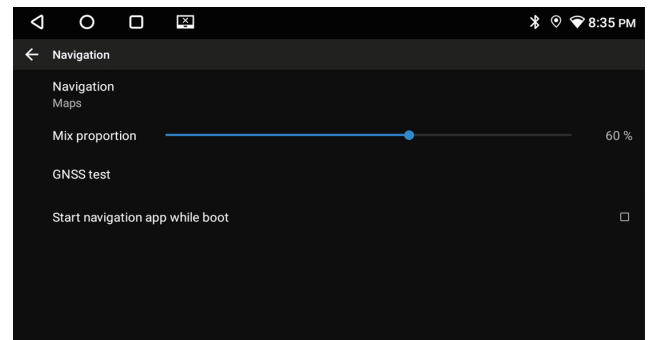
You can to set the: Backlight brightness、 Boot Logo、 Wallpaper、 Assistive touch , etc.You can set your favorite picture as wallpaper.

## Vehicle setting



After enabling the lamp detection, when the vehicle's lamp are detected to be turned on, the touchscreen buttons increase the brightness.Upon enabling the brake detection, when the vehicle's brake is detected to be disengaged, the system prohibits video playback.

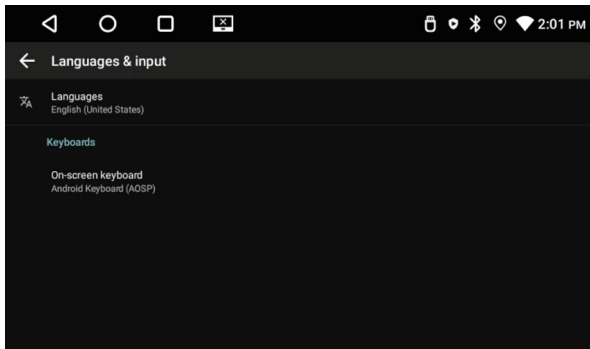
## Navigation



You can to set the: Mix proportion、 Gps test、 Start navigation app while boot ,etc.

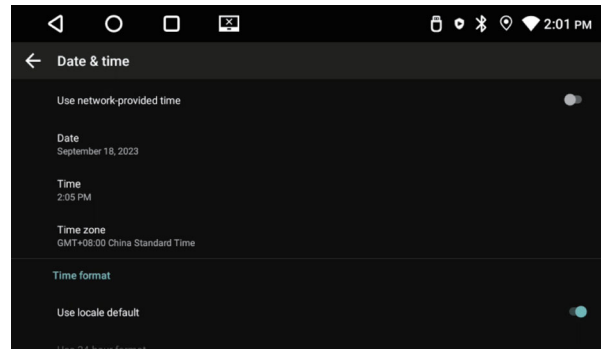
# SETTING

## Languages and input



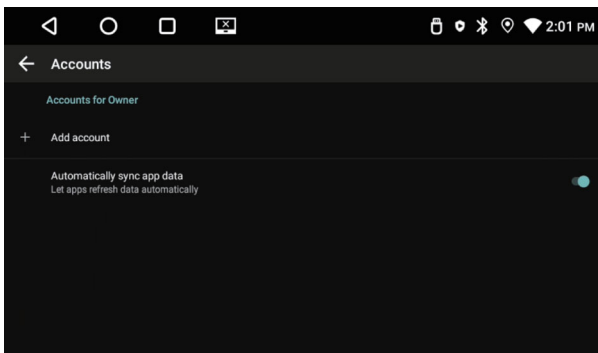
You can to set the: Languages and Keyboards. You can add a language and arrange preferred language order by dragging them. The default keyboard is Android Keyboard (AOSP). You can manage the installed keyboards.

## Date and time



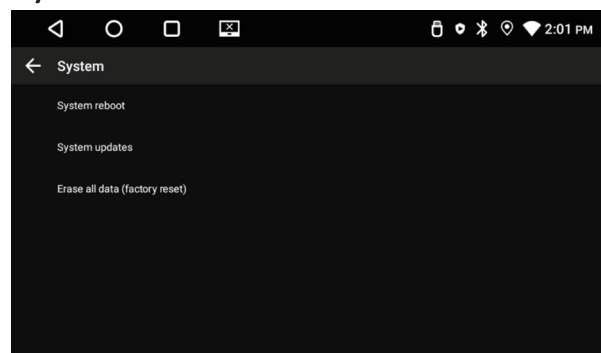
You can to set the: Date、Time、Time zone、Time format, etc. You can select to set date, time and time zone using this sub-menu. Use Automatic unless you need to override the network values. Use 24-hour format: Select to set 24-hour formats on or off.

## Accounts



You can tap to "Add Account" to sign in to your Google account. You can enable automatic sync app data, which will sync the related app data logged in with your Google account to the cloud.

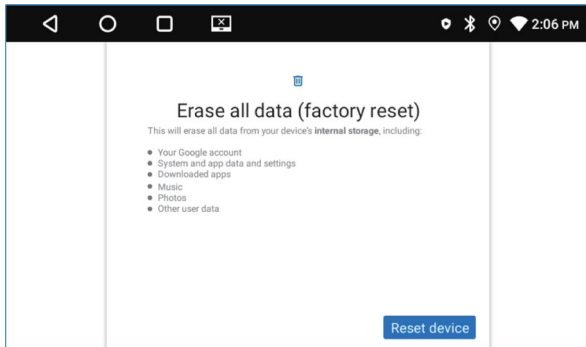
## System



You can tap to "System Restart" to perform a system shutdown and restart. You can tap to "System Upgrade" to check for upgrade packages and proceed with the upgrade if any are found.

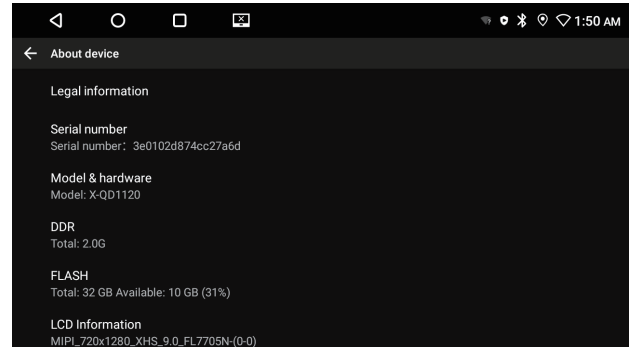
Note: This item requires a password, password: 888888

## SETTING



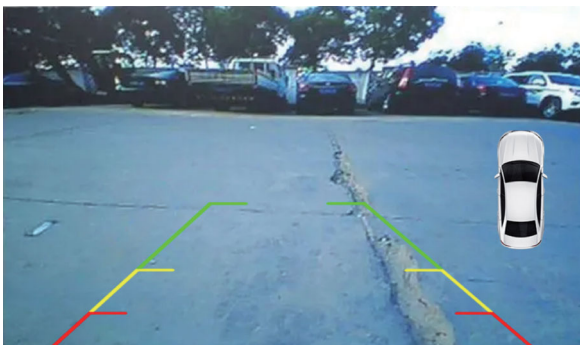
Factory reset: Erases all data from the internal storage of the device, including Google accounts, system and app data and settings, and other user data.

### System



Display the device information, such as: Serial number, Model & hardware, DDR, FLASH, LCD Information, etc.

## REARVIEW CAMERA



After the vehicle is put into R gear, the system interface displays a reverse camera screen. The trajectory line is divided into three sections: 0.5m, 2m, and 3m, with colors of red, yellow, and green respectively.



### ATTENTION

Support split screen applications: Radio, Music, Navigation, Bluetooth music, Setting. Unsupported applications cannot enable split screen display.

# SPECIFICATION

## General

Operation Voltage: 14.4V(10.5-16V)  
Installation Size: Thickness: 42mm  
Operating Temperature: -10°C - +60°C  
Storage Temperature: -20°C - +70°C  
Net Weight: 9",748g / 10",851g

## System

Operating system: OY12.0  
DDR:2GB  
Flash : 32GB (Optional: 64GB )

## Radio

FM Frequency Range: 87.5-108.0MHZ  
MW Frequency Range: 522-1620KHZ  
◇T series: Radio: Without AM

## Bluetooth

Communication System: BT4.2+EDR  
Output: BT Standard Power 2 Class  
Max Communication Range: 5m  
Frequency Band: 2.4GHz

## USB Interface

USB: Readable/ Chargeable  
(5±0.25V/1A)

## Audio

Max Power: 4X50W  
Front Output(V): 1V/10KΩ  
Pre-output impedance: ≤600Ω  
Speakers impedance: 4-8Ω

## TFT Screen Item

Size: 9.0"/ 10.1"  
Display Resolution: 1280x720  
Contrast ratio: 500  
Brightness:500nit

## Video

External Video Input System:  
NTSC/PAL/SECAM  
External Video Input: 1VP-P/75Ω

## Video Format

H264/MP4/ AVI/ MKV/ FLV

## Audio Format

MP3/APE/AAC/FLAC

## NOTE

Specification and design; functions and features; unit illumination; colour and display segment are subject to change without prior notice. Photos and drawings on gift box or operation manual might be varied from the exact unit. Depends on the input devices operation might be varied from the operation manual described.

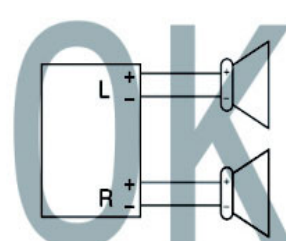
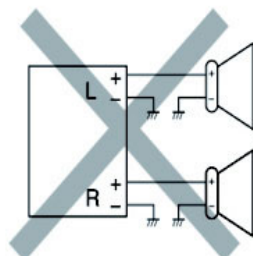
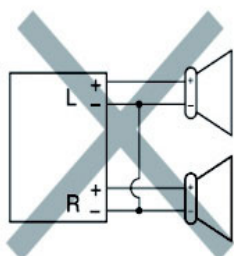
## COMMON TROUBLESHOOTING GUIDELINES

Problem	Cause	Correct action
Can not power on	Check fuse	Change fuse same as the old one Maximum current of fuse: 15A
	Some factors cause MPU wrong operation	Press RESET button on the panel by penpoint, then, power on
After ignition switch off, setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another location, then research

## PRECAUTIONS ON POWER SUPPLY AND SPEAKER CONNECTIONS:

Do not connect the speaker cables of the power cord to the car battery; otherwise, the unit will be seriously damaged.

BEFORE connecting the speaker cables of the power cord to the speakers, check the speaker wiring in your car.



## **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.