AUDIO VOLT
User Manual

Works with wirless Apple carplay
and Wireless Android auto

Car navigation & Entertainment System

Instructions for use

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you've finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.
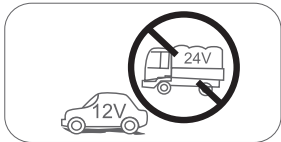
Never install this unit where the operation & condition for safe driving is impaired.
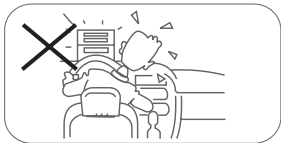
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.
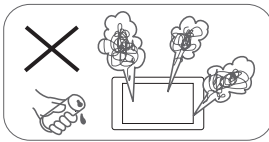
Never expose this unit,amplifer and speakers to moisture or water to prevent electric sparks or fire.

Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.

Please contact your nearest dealer if one of the following symptoms is experienced:
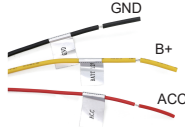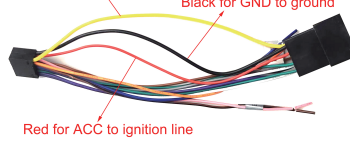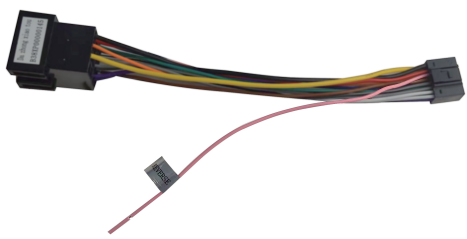
(a). Water or other objects enters the unit.
(b). There is smoke.
(c). Peculiar smell.

To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

1. Never disassemble or adjust the unit without any professional guidance.For details, please consult any professionalcar shop / dealer for inquiry.

2. If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the monitor.

3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual.
   If no relevant information is found, please press the [RST] key on the front panel.

4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.

5. Do not impact the LCD monitor which could cause damage.

6. To prevent damage to the screen, avoid touching it with sharp objects.

7. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.However, some illustrations are different from the actual images displayed on the screen.

8. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

Troubleshooting

malfunction	solution
Cannot power up	Confirm these 3 wires are correctly connect. Yellow for B+ to battery positive pole Black for GND to ground Red for ACC to ignition line
No image when reversing	Connect the reverse line of the camera to the pink
Navigation does not work	1. If map goes wrong, uninstall then re-install the map. 2. If map data destroyed, uninstall then re-install the map. 3. If GPS cannot search any signal, please check if the GPS antenna is well connected. If well connected, make sure the antenna is exposed to the air. If still not working, please replace a new antenna.
The key light does not light	1. Check the headlight line connection. 2. Enable the button light on Setup.

Basic operation

Definition of the keys

Serial number	name	Functional description
1	⏻	When device is working, press and hold about 1 second to power of the system; Short press to mute.
2	MAP	Map card slot
3	⌂MENU	Press to turn to home page
4	↩RETURN	Return to the previous interface
5	◥NAVI	Display navigation interface
6	RADIO	Display the radio interface
7	VOL+ VOL-	◀+ Volume up ◀- Volume down
8	⭸USB	USB slot
9	⏏	Disc insert/eject
10	SD	SD slot
11	Reset (RST / RES)	When the machine is not working properly, press this button and the machine will return to the factory settings.
12	☎Phone	Display the Bluetooth phone screen
13	DVD	Display the DVD interface
14	Video	Play videos from an SD card or USB device
15	Music	Play music from an SD card or USB device
16	Seek ⏮ ⏭	• Search the previous chapter or the next chapter • Search for the last channel or the next channel
17	Mute	Turn off the sound, button for muting
18	Disc insert slot	Insert the disc into the slot

Note: This table summarizes the definition of most of the panel buttons, but not every model contains all the keys, ,Some models contain only a small number of keys, which does not affect the use, if you have questions, please consult the dealer.

Open the system
Press the power button ⏻ 1 second, activate the system.

Turn off the system
When the system is on, press and hold the power button ⏻ for 1 second to turn off the system.

Contents

Operating instruction for main interface

Main interface

1. Press the button 🏠 ， The interface will return to the default main interface.
2. Slide to left or right interface as you want.

3. Press the button 🏠 ， car interface will come out. Press the button ⊞ ， it will display the interface of system applications and third-party applications.
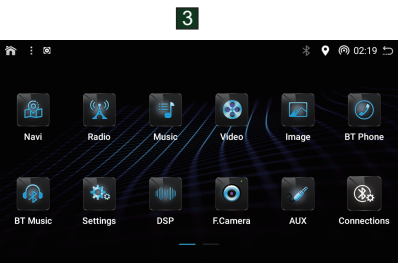
4. Long press 🏠 ， Go to the small window interface， Can clear background running programs.Press the button ⋮ ， can replace the main interface wallpaper 。
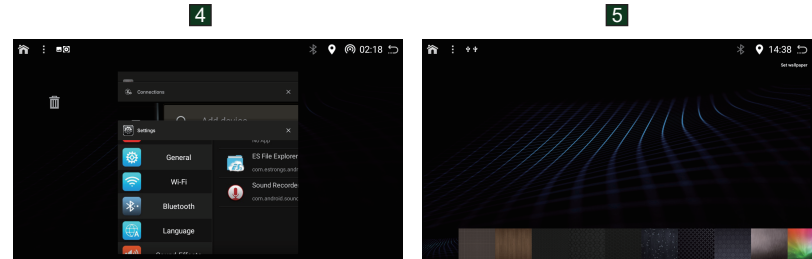
Number	Interface	Number	Interface
1	Initial media main interface	4	Background running program
2	Initial media main interface	5	Replace the wallpaper interface
3	System applications and third-party application interface		

Move or Remove the icons

1. Change the icon position: press and hold the icon, it will pop-up and become larger. This time the icon is movable and you can place it wherever you want.
2. View APP information: press and hold the activated icon, drag the icon to ⓘ .
3. Delete icon: press and hold the activated icon, drag the icon to ✕ .
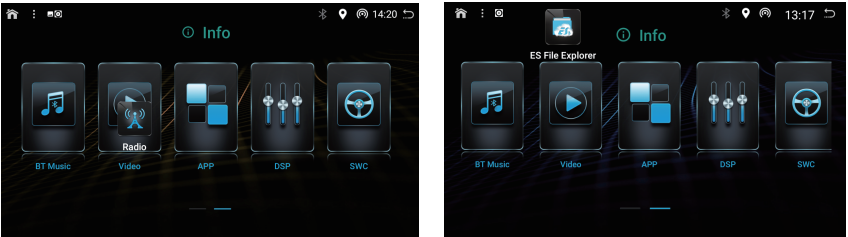
Add shortcuts for initial master interfaces 1 and 2

1. Press ▦ .
2. Press and hold the icon to wait for the pop-up panel of the main interface 1 and 2 to pop up.
3. Drag the icon to an empty position, and if you drag to other icons, it will form a folder.

Radio Operation

Radio Basic Operation

1. Select the FM1,FM2,FM3,AM1 or AM2 band
2. Frequency display

   < Switches to previous frequency manually.

   > Switches to next frequency manually.
3. Displays the preset channel list, hold the key (P1-P6) to store the current broadcast frequency.
4. Multi function menu

   Tunes in a station with good reception automatically.

   Short touch for non stop seek tuning, touch again to cancel.

   Long touch for switching the preset channels, long touch again to cancel.

   Change between Locate and DX mode.

   Switch frequency band.

   Touch <RDS> to active the RDS function.

   EQ and FAB setting , pls see the EQ and FAB setting below.
5. Mono and DX

   DX Displays LOC or DX .

   Mono Displays Mono or Stereo, decided by the radio IC.

RDS

TP	Shows the traffic station is on or not
AF	Touch AF to light up, RDS can switch to stronger signal frequency when the current frequency is weak, but keep the contents same, only frequency different.
TA	Touch TA to light up, it can source the traffic info every minute, and stops to broadcast the traffic info once news come in.
PTY	Touch PTY to search by type.

Stores Channel

1. Press the P1 key and hold to store the current channel to P1 key.
2. Press the P2 key and hold, then store the current channel to P2 key. If P3, then to P3 key etc.

Bluetooth Control

Connecting

Registing your Bluetooth device

1. Active the Bluetooth on your phone
2. Touch search to search the Bluetooth waiting for pairing
3. Touch the Bluetooth Device name (jj or other) for connecting
4. Type the pin code (default code is 0000 or 1234) on your phone

Connecting a registered Bluetooth manually

1. Active the Bluetooth on your phone
2. Touch the ▤ to see the registered Bluetooth device list
3. Click the box of the Bluetooth device name to connect
4. Type the pin code (default code is 0000 or 1234) on your phone

Delete a registered device

1. Touch the ▤ to see the registered Bluetooth device list
2. Cross the box of the device name
3. Touch the cross, and it tips "Do you want to unpair the Device?"
4. Touch OK, the device deleted

Hands-Free Call
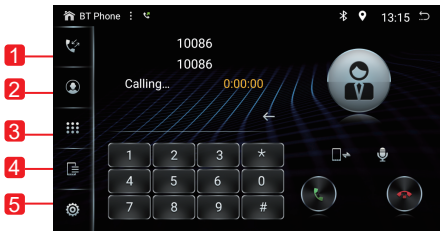
1		Phone call record
2		Phone book
3		Dial Panel
4		Device list
5		Bluetooth settings

1) Phone call

Touch the ⊞ , type the phone number, and click 📞 , phone call success as screen below, Cancel the phone call by touch the 📞 , and touch the 🎤 to switch to speaker.
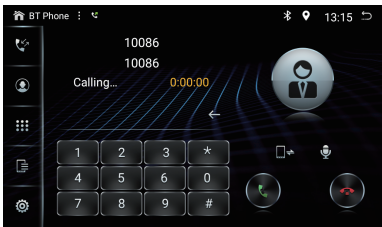
2) Phone book

Touch the 👤 to enter the Bluetooth phone book interface, and follow the to download the phone book.
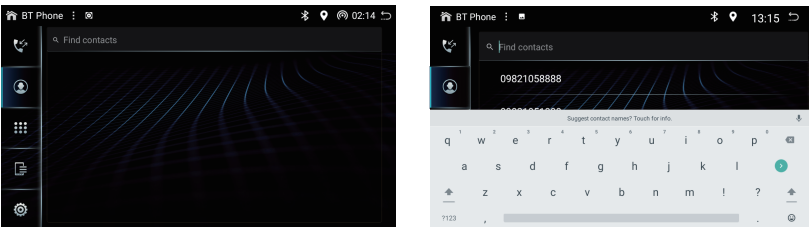
3) Phone call record
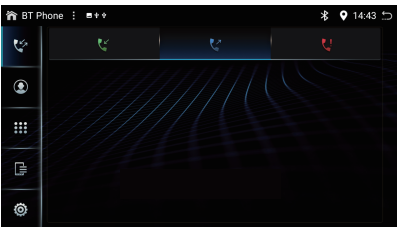
📞	Dialed call
📞	Missed call
📞	Received call

4)Device connection
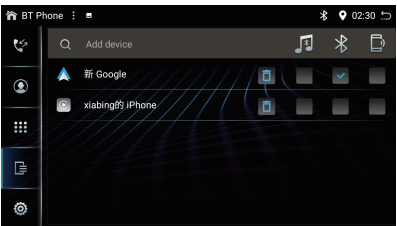
1. Primary   Bluetooth Phone
2. 🎵   Bluetooth Music

5)Bluetooth Setup

1. Touch the Bluetooth to change the Name
2. Sync phonebook
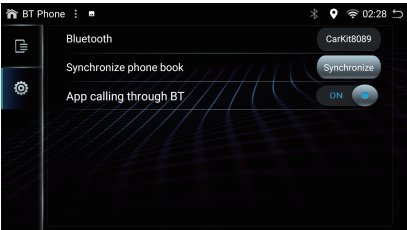
Playing Bluetooth Audio Device

Click 🎵 into BT Music and play music of the device connected by BT
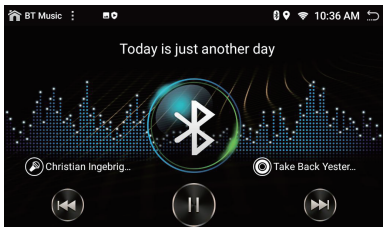
⏮	The last tune
⏭	The next tune
⏸	Play/Stop

Rear Camera

6.connect the red&balck cable to the negivtive cable(-)of the car back light.

5.connect the red cable to the red cable then connect them to the positive cable(B+)of the car back light.

1.connect the red cable to the pink cable of the power cable.

6.connect the red&balck cable to the negivtive cable(-)of the car back light.

5.connect the red cable to the red cable then connect them to the positive cable(B +)of the car back light.

1.connect the red cable to the pink cable of the power cable.

Multimedia

Video Player
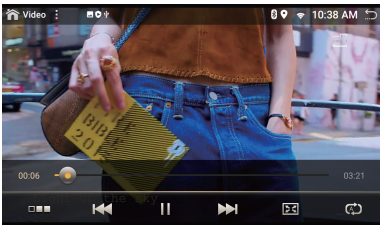
Music Player
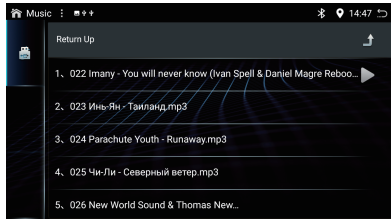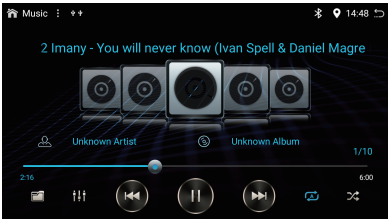
	Function		Function
	Back to the folder		The last tune
	Pause		The next tune
	Cycle mode		EQ

Note: The Music Player and the Video player works when the USB or the SD card is connected. And there are music or video in the USB or SD card.

Apple CarPlay | Android Auto

Apple CarPlay

Available on select cars, CarPlay is a smarter, safer way to use your iPhone in the car. CarPlay takes the things you want to do with your iPhone while driving and puts them right on your car's built-in display. You can get directions,make calls, send and receive messages, and listen to audiobooks and music, all in a way that allows you to stay focused on the road.

How to enter CarPlay mode

1. Connect via Bluetooth

   Establish Bluetooth connection between the car unit and your iPhone (refer to the previous chapter "Bluetooth mode").
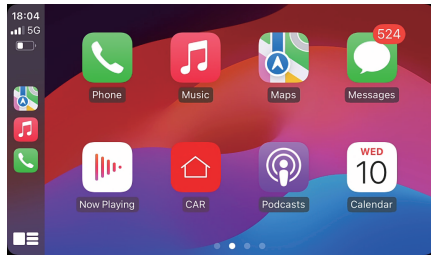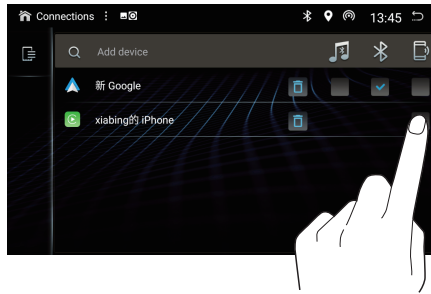
   ☞ Agree using CarPlay with the car device.

2. To exit CarPlay mode, touch [▭] button on the front panel.
   To disconnect CarPlay, select [Connections] on the main menu, and deselect the options right to the iPhone.

3. If you want to return to CarPlay mode, touch [CarPlay] on the main menu.

How to use CarPlay

CarPlay features and Siri voice control is specially designed for driving scenarios. It also works with your car's controls. And the apps you want to use in the car have been reimagined, so you can use them while your eyes and hands stay where they belong.

Touch
you can use the touch screen of the unit to control CarPlay.

Siri

1. Press and hold Apple Home key on car product screen or Side Button on iPhone for using Siri voice assistant, such as issuing a call, playing music,opening the map and other voice commands.

2. When iPhone is connected, enable Siri by steering wheel control.
   This function is only available on cars equipped with the equivalent key.

3. Control with "Hey, Siri".

Android Auto

Connect Android phone to the car device, drivers can enjoy the music from their phone, show the way with Google map or other map App and make or receive a call.
Required Android OS: 5.0. (Android Auto App must be installed on the phone before connecting).

How to enter Android Auto mode

1. Connect via Bluetooth

   Establish Bluetooth connection between the car unit and your Android phone (refer to the previous chapter "Bluetooth mode").

   ☞ Agree with the terms provided by Google.
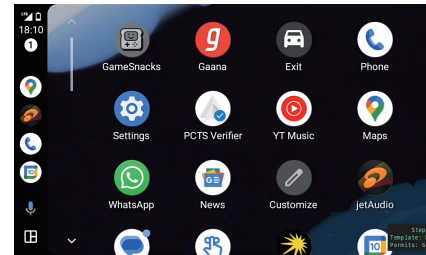
2. To exit Android Auto mode, touch [▭] button on the front panel.
   To disconnect Android Autoselect , select [Connections] on the main menu, and deselect the options right to the Android phone.

3. If you want to return to Android Auto, touch [Android Auto] on the main menu.

Play with Android Auto

Select the Android Auto source to play music.

Map

Touch the (Google Maps) icon of Android Auto to let the phone show you the way.

Call Out / Receive Call

Touch the (Phone) icon on Android Auto for Calling.

Play Music

Touch the (Music) icon of Android Auto to play music.
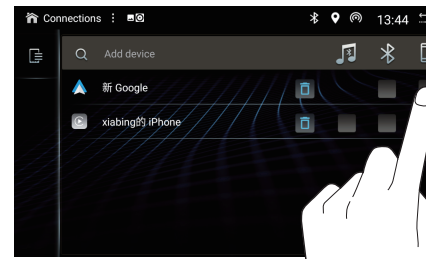
Talk with Google

1.Touch the (🎤) on the bottom left of LCD for using Google voice assistant, such as issuing
   a call, playing music, opening the map and other voice commands.

2.When Phone is connected, enable Google voice by steering wheel control
   This function is only available on cars equipped with the equivalent key

3.Control with Voice Match, such as "Ok, Google".

AUX IN

This device features AUX input for audio playback.
The AUX-IN input is located at the rear of the device.

☛ Start the AUX-IN mode with the button 【AUX】

   The display shows the audio or video playback of the selected AUX source.

Camera Input

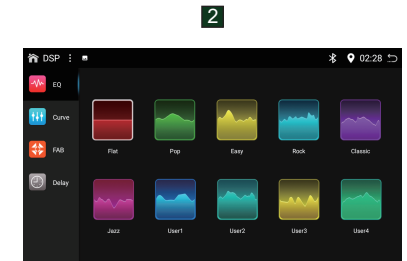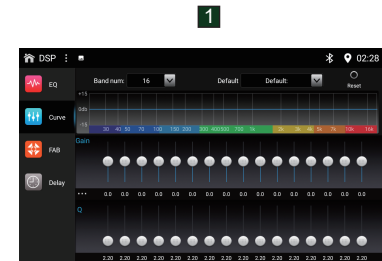This device features video input for connecting camera.
If a rear camera is connected, the image is displayed on the screen when the rear gear is
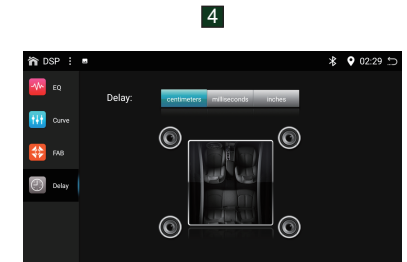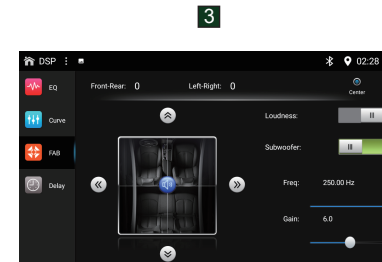engaged.

DSP Setting

1.EQ interface, you can choose sound effects, such as Flat, Pop, Rock, etc.
2.Curve interface,you can choose custom sound curve.

3.FAB interface,You can set the sound balance.
4.Delay interface, You can set the stereo and sound field delay.

Set up

Video

• Touch [Video], if necessary.
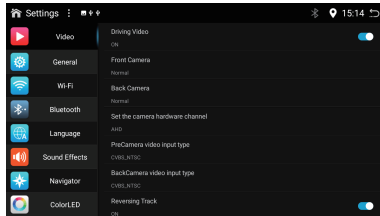
Parking -In Parking "Off mode, the screen will display
Warning information if you play video. The warning screen will prevent the driver from watching videos while the vehicle is in motion.

General

• Select an option to access/setup.
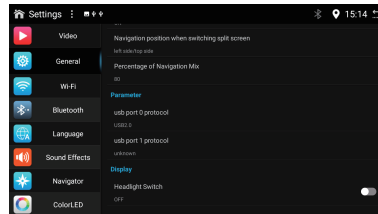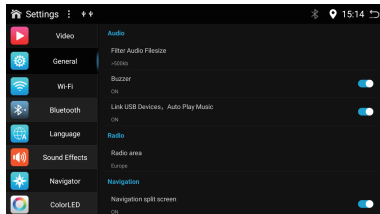
Wi-Fi Setup

• Turnon the Wi-Fi and search the available networks.
• Select a hotspot to connect.
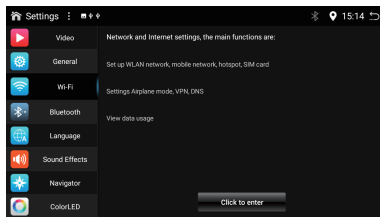
Bluetooth settings

• Manage Bluetooth devices.
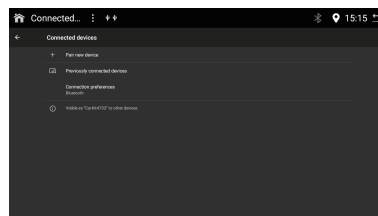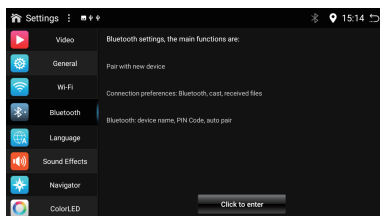
Language Setup

Source volume level

• Set the volume level of each Source.
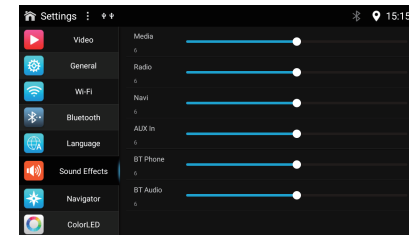
Navigator

• Select a Navigation source from the available list.
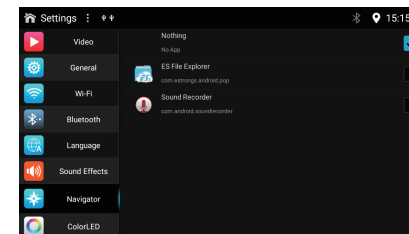
ColorLED

• Set the color of Keys on the front display.

Car Logo(Optional)

• If need , please ask the supplier to supply car LOGO separately file, copy the file to USB, unzip the LOGO,copy the file from USB to the android Easyfile itself, go to the android image app , it can set the car brand .
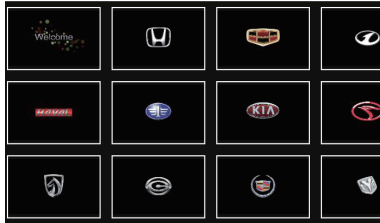
Steering Wheel Control Setup
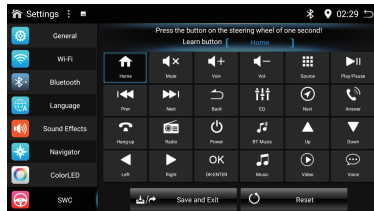
Select [**SWC**] in the Settings menu to enter SWC setting menu.
• Select a function icon on the screen.
• Long press a steering wheel button.
• Repeat step 1 and 2 until all the settings are done.
• Touch [**Save and Exit**] after all buttons are set.
• To reset the programming, touch [**Reset**]

Factory

• Access Factory configuration.
 Default Password: 6666
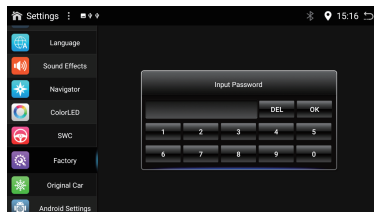
Original Car

• View and manage CANBUS Settings.Default Password:0000
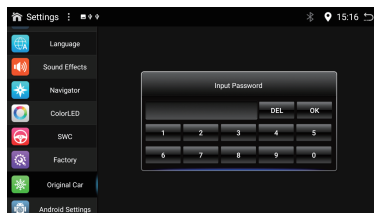
Android Settings

• View and manage the Android Settings.
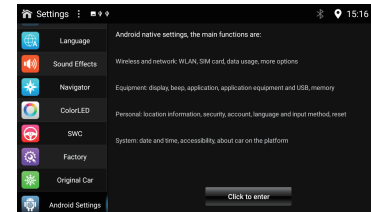
Upgrade&Reset

• Upgrade the software & Reset the default settings.
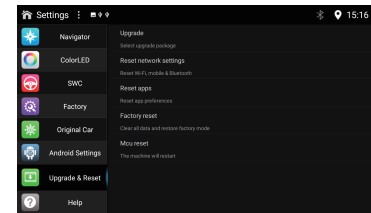
System Info

• View System Information.
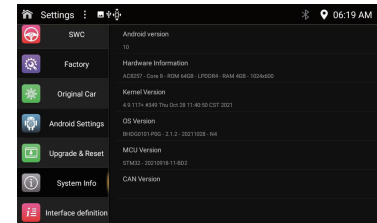
UI switching

• Enter Settings, open General, and click UI.
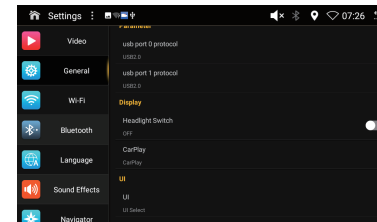
Interface definition

A:20Pin SIM card,audio and video socket
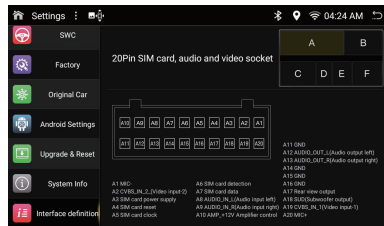
B:12Pin 360 panoramic interface
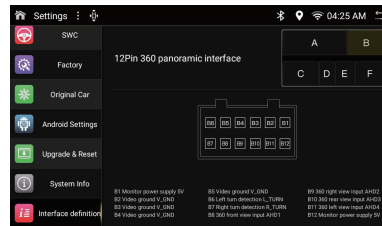
C:8Pin Plug-in protocol,audio output
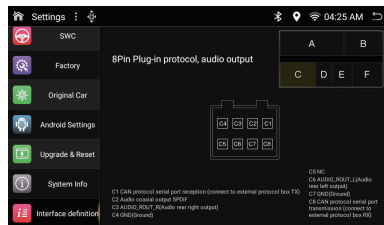
D:4Pin USB1 socket(Optional)
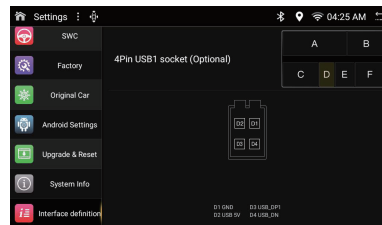
E:6Pin USB2 socket
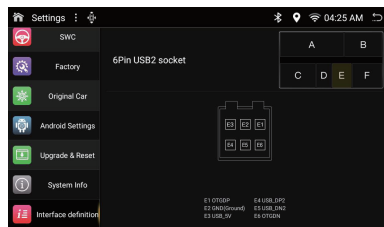
F:10Pin Reversing,handbrake,WIFI/BT antenna socket
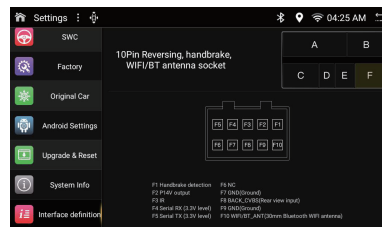
Split screen

1.Press the Setup icon ⚙ ›› select General ⚙ ›› select Navigation split screen
   Open the button ⬤

2.Press the Navigation icon 🧭 ›› Press the Split screen icon ⊞

Wiring Diagram

Diagram of power cable and RCA Cable

Note:only work within DC10.5V-16V power

FM 87.5~108.0MHz
AM 522KHz~1620KHz

Speaker prohibit grounding!

[1]

[2]

[1] Power Cable Diagram

Key1 — Brown
Reverse — Pink
ACC — Red
GND — Black

Gray with Black — FR-
Gray — FR+
White with Black — FL-
White — FL+

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

BATT 12V — Yellow
ILL — Orange
Key2 — Brown with Black
ANT — Blue

Purple with Black — FR-
Purple — FR+
Green — FL+
Green with Black — FL-

NO.	Name	Connection details	NO.	Name	Connection details
1	GND	For Ground Negative,must be connected	9	BATT 12V	For 12V Battery, must be connected
2	ACC	For Igniting Power, must be connected	10	ILL	Illumination Cable
3	Reverse	For Reverse Camera	11	Key2	For Steering Wheel Control Key2
4	Key1	For Steering Wheel Control Key1	12	ANT-CONT	
5	FR-	For Front Right Speaker -	13	RL-	For Rear Left Speaker -
6	FR+	For Front Right Speaker +	14	RL+	For Rear Left Speaker +
7	FL-	For Front Left Speaker -	15	RR+	For Rear Right Speaker +
8	FL+	For Front Left Speaker +	16	RR-	For Rear Right Speaker -

[2] RCA output socket

A

SIM-INT
SIM-SIO
AUX-L
AUX-R
AMP+12V

GND
RCA-L
RCA-R
GND
GND

SIM-SCLK
SIM-SRST
SIM-PMU
F-CAMERA
MIC-

MIC+
AUX-V
SUB
V-OUT
GND

B

5V
GND
GND
GND
GND
L-TURM

R-TURN
360 AHD-F
360 AHD-R
360 AHD
360 AHD-L
5V

C

GND
RCA-RR
SPDIF
CAN-TX

CAN-RX
GND
RCA-RL
NC

D

GND
USB 5V

USB-DP1
USB-DN1

E

OTGDP
GND
USB 5V

USB-DP2
USB-DN2
OTGDN

F

TX
RX
IR
P14V
PARKING

WIFI/BT-ANT
GND
CAMERA
GND
NC

Wiring Diagram

Diagram of power cable and RCA Cable

Note:only work within DC10.5V-16V power

FM 87.5~108.0MHz
AM 522KHz~1620KHz

Speaker prohibit grounding!

[2]

[1]

[2]

[1]

[1] Power Cable Diagram

Key1	Brown
Reverse	Pink
ACC	Red
GND	Black

Gray with Black	FR-
Gray	FR+
White with Black	FL-
White	FL+

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

BATT 12V	Yellow
ILL	Orange
Key2	Brown with Black
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Purple	FR+
Green	FL+
Green with Black	FL-

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4	Key1	For Steering Wheel Control Key1	12	ANT-CONT	
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6	FR+	For Front Right Speaker +	14	RL+	For Rear Left Speaker +
7	FL-	For Front Left Speaker -	15	RR+	For Rear Right Speaker +
8	FL+	For Front Left Speaker +	16	RR-	For Rear Right Speaker -

[2] RCA output socket

A

SIM-INT		SIM-SCLK
SIM-SIO		SIM-SRST
AUX-L		SIM-PMU
AUX-R		F-CAMERA
AMP+12V		MIC-
GND		MIC+
RCA-L		AUX-V
RCA-R		SUB
GND		V-OUT
GND		GND

B

| 5V |
| GND |
| GND |
| GND |
| GND |
| L-TURM |
| R-TURN |
| 360 AHD-F |
| 360 AHD-R |
| 360 AHD |
| 360 AHD-L |
| 5V |

C

	GND
	RCA-RR
	SPDIF
	CAN-TX
	CAN-RX
	GND
	RCA-RL
	NC

D

| GND |
| USB 5V |
| USB-DP1 |
| USB-DN1 |

E

| OTGDP |
| GND |
| USB 5V |
| USB-DP2 |
| USB-DN2 |
| OTGDN |

F

	TX
	RX
	IR
	P14V
	PARKING
	WIFI/BT-ANT
	GND
	CAMERA
	GND
	NC

Wiring Diagram
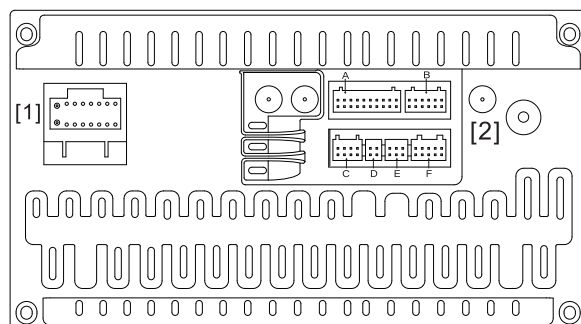
Diagram of power cable and RCA Cable

Note:only work within DC10.5V-16V power

FM 87.5~108.0MHz
AM 522KHz~1620KHz
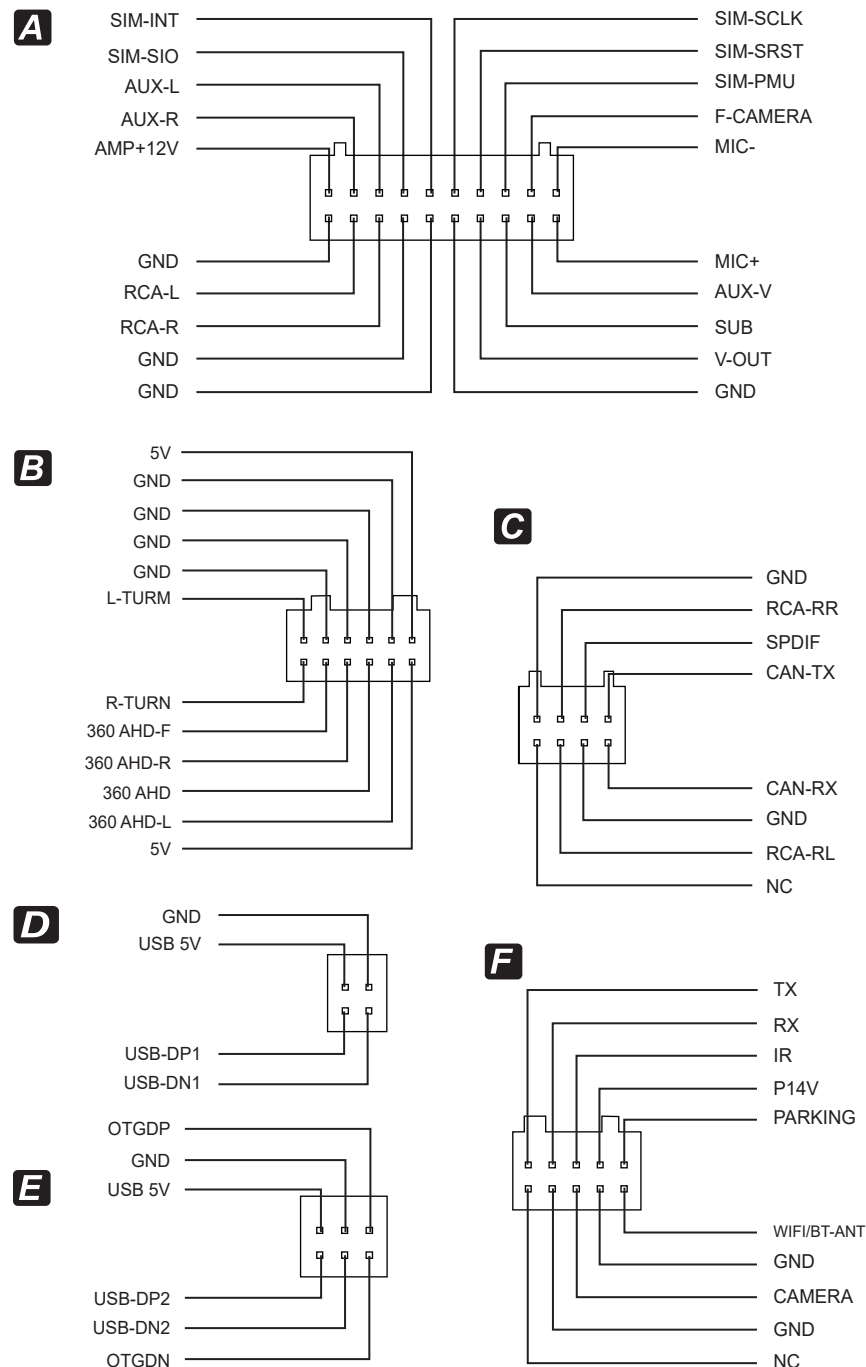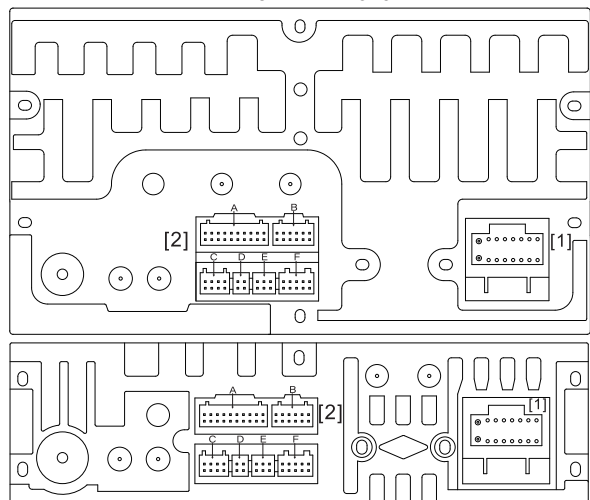
Speaker prohibit grounding!

[1] [2]

A B
C D E F

[1] Power Cable Diagram

Key1	Brown		Gray with Black	FR-
Reverse	Pink		Gray	FR+
ACC	Red		White with Black	FL-
GND	Black		White	FL+

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

BATT 12V	Yellow		Purple with Black	FR-
ILL	Orange		Purple	FR+
Key2	Brown with Black		Green	FL+
ANT	Blue		Green with Black	FL-

NO.	Name	Connection details	NO.	Name	Connection details
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5	FR-	For Front Right Speaker -	13	RL-	For Rear Left Speaker -
6	FR+	For Front Right Speaker +	14	RL+	For Rear Left Speaker +
7	FL-	For Front Left Speaker -	15	RR+	For Rear Right Speaker +
8	FL+	For Front Left Speaker +	16	RR-	For Rear Right Speaker -

[2] RCA output socket

A

NC	NC
NC	NC
AUX-L	NC
AUX-R	F-CAMERA
AMP+12V	MIC-
GND	MIC+
RCA-L	AUX-V
RCA-R	SUB
GND	V-OUT
GND	GND

B

NC
NC
NC
NC
NC
NC

NC
NC
NC
NC
NC
NC

C

GND
RCA-RR
NC
CAN-TX

CAN-RX
GND
RCA-RL
NC

D

GND
USB 5V

USB-DP1
USB-DN1

E

OTGDP
GND
USB 5V

USB-DP2
USB-DN2
OTGDN

F

TX
RX
IR
P14V
PARKING

WIFI/BT-ANT
GND
CAMERA
GND
NC

Wiring Diagram

Diagram of power cable and RCA Cable

Note:only work within DC10.5V-16V power

FM 87.5~108.0MHz
AM 522KHz~1620KHz
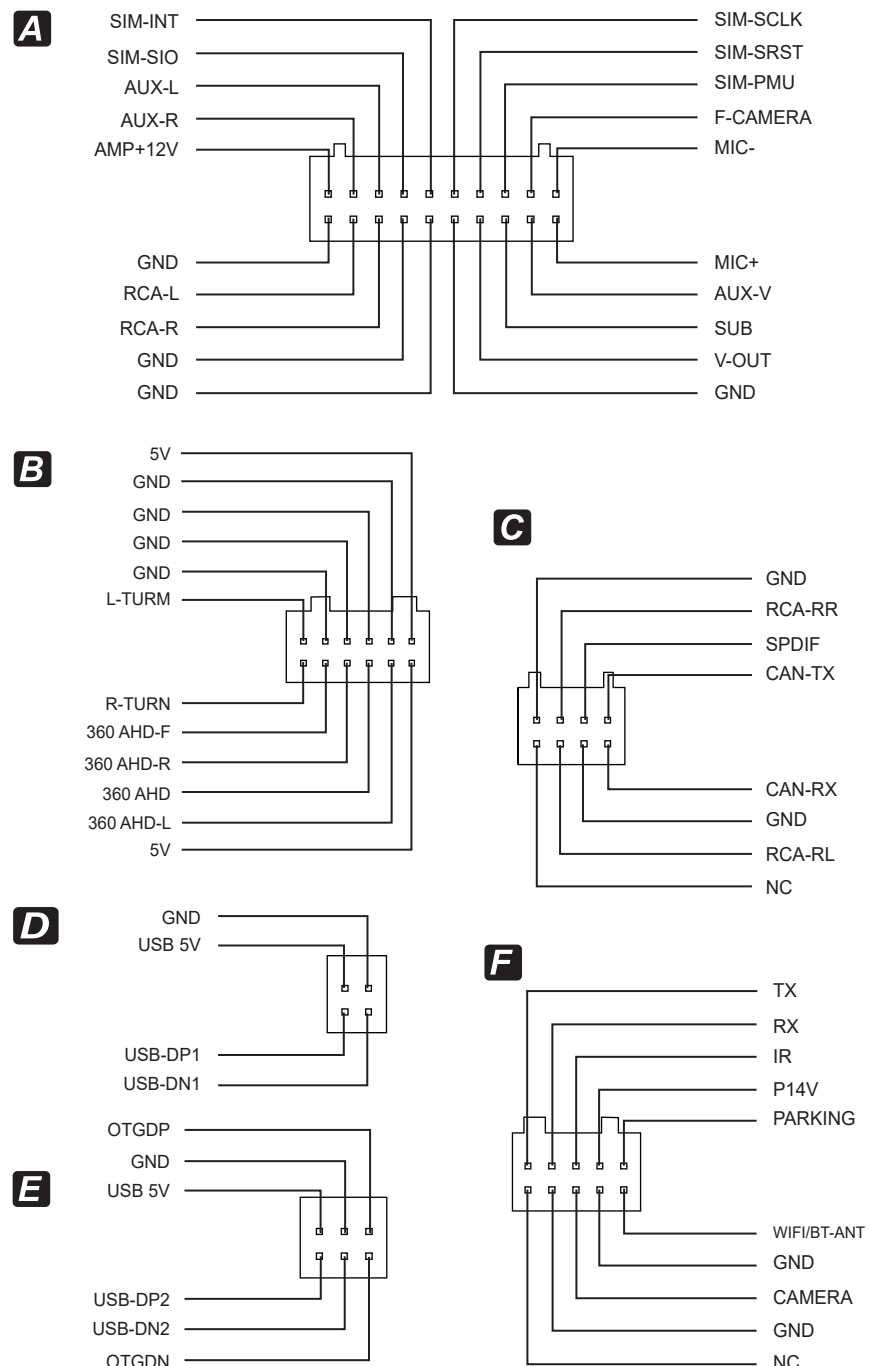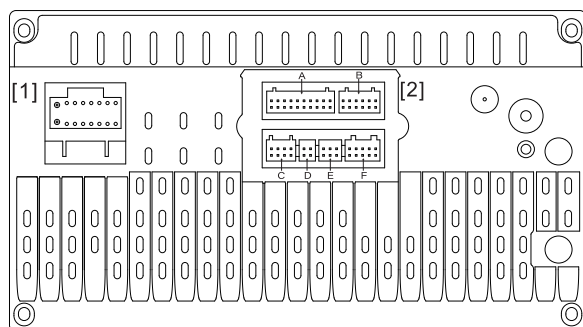
Speaker prohibit grounding!

[2]   [1]

[2]   [1]

[1] Power Cable Diagram

Key1	Brown
Reverse	Pink
ACC	Red
GND	Black

Gray with Black	FR-
Gray	FR+
White with Black	FL-
White	FL+

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

BATT 12V	Yellow
ILL	Orange
Key2	Brown with Black
ANT	Blue

Purple with Black	FR-
Purple	FR+
Green	FL+
Green with Black	FL-

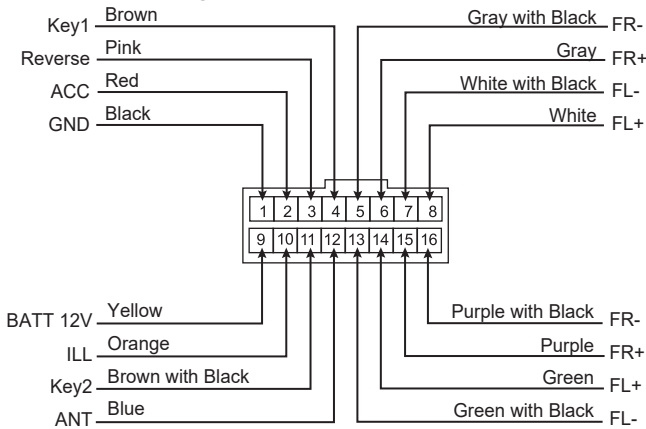| NO.	Name	Connection details	NO.	Name	Connection details
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6	FR+	For Front Right Speaker +	14	RL+	For Rear Left Speaker +
7	FL-	For Front Left Speaker -	15	RR+	For Rear Right Speaker +
8	FL+	For Front Left Speaker +	16	RR-	For Rear Right Speaker -

25

[2] RCA output socket

A

NC	NC
NC	NC
AUX-L	NC
AUX-R	F-CAMERA
AMP+12V	MIC-
GND	MIC+
RCA-L	AUX-V
RCA-R	SUB
GND	V-OUT
GND	GND

B

NC
NC
NC
NC
NC
NC

NC
NC
NC
NC
NC
NC

C

GND
RCA-RR
NC
CAN-TX

CAN-RX
GND
RCA-RL
NC

D

GND
USB 5V

USB-DP1
USB-DN1

E

OTGDP
GND
USB 5V

USB-DP2
USB-DN2
OTGDN

F

TX
RX
IR
P14V
PARKING

WIFI/BT-ANT
GND
CAMERA
GND
NC

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