

ADAYO HMA106W

Android 9.0 OS

Works with Apple CarPlay and
Android Auto



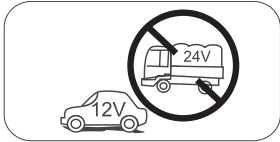
SPECIFICATION

- AC8257 Quad Core 2.0G
- Android 9.0 OS with 2G RAM + 32G ROM
- 6.75" LCD Screen with 1024*600 Resolution
- Works with CarPlay and Android Auto
- Works with Off-Line Map
- Built-in Wifi
- Built-in Bluetooth for Phone Call and Music
- 18FM, 12AM with RDS
- 2 Rear USB Port
- 4 Channel RCA Out Put
- 1 Subwoofer Out Put
- 50W x 4 Power Out Put

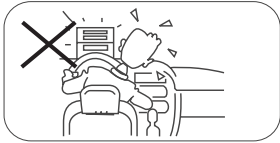
Safety Precautions

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.



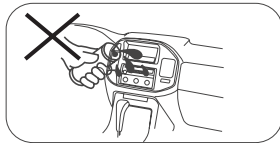
Never install this unit where the operation & condition for safe driving is impaired.



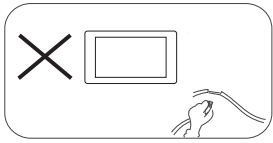
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.



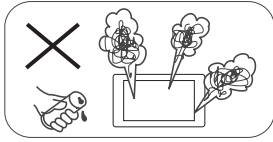
Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.



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 professional car 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.

Placing the device in operation	6	Settings	14
Switching on/off with the POWER button	6	Video	14
Volume	6	General	14
Main menu(Home)	6	Wi-Fi	14
Radio mode	7	Bluetooth	14
Start radio mode	7	Language	14
Select memory bank	7	Sound Effects	14
Tuning into a station	7	Navigation	14
Storing stations manually	7	Key Light	15
Storing stations automatically	7	SWC	15
Adjusting the seek tuning sensitivity	7	Factory	15
Switching RDS on/off	7	Canbus Settings	15
Sound Settings	8	Android Settings	15
Equalizer	8	Upgrade & Reset	15
Volume distribution (fader/balance)	8	System Info	15
Time Alignment	8	Connection diagram	16
USB media playback	9	Troubleshooting	17
USB data carrier	9		
Audio playback from USB	9		
Video playback from USB	9		
Image playback from USB	10		
Bluetooth mode	10		
Starting Bluetooth mode	10		
Registering Bluetooth devices	10		
Telephone mode	11		
Dialing	11		
Answer a call	11		
Audio playback via Bluetooth streaming	11		
Apple CarPlay	12		
How to enter CarPlay mode	12		
How to use CarPlay	12		
Touch	12		
Siri	12		
Android Auto	12		
How to enter Android Auto mode	12		
Play with Android Auto	13		
Map	13		
Call Out / Receive Call	13		
Play Music	13		
Talk with Google	13		
AUX IN	13		
Camera Input	13		
Steering wheel control(SWC)	13		



- 1** Microphone
- 2** RESET button
Restore to default factory settings of the device.
- 3** RADIO button
Press to enter Radio mode.
- 4** HOME button
Go to source menu
- 5** VOL /VOL knob
When on, rotate to adjust Volume, press to MUTE.
Press and hold to enter Standby (Screen Off, Audio Off).
- 6** Voice button
Press to start voice recognition (in use with Android Auto or CarPlay).
- 7** DIM button
Turn on/off the screen

Placing the device in operation

Switching on/off with the POWER button

- For switch-on, press the [⏻] knob.
- For switch-off, hold the [⏻] knob pressed for more than 2 seconds.

Volume

Adjusting the volume

You can adjust the volume in steps from 0 (off) to 40 (maximum).

Rotate the [🔊/VOL] knob to raise/lower the volume.

Muting the car sound system (Mute)

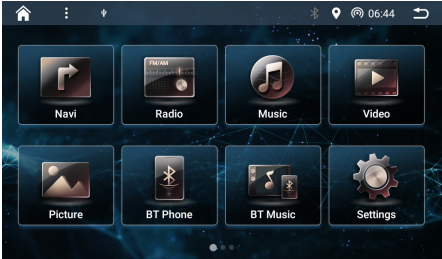
Briefly press the [🔊/VOL] knob to mute the device or to reactivate the previous volume.

Main menu(Home)

In the main menu, you press the buttons on the touchscreen to call up the different sources and operating modes.

- In the current source, press the [🏠] button.
The main menu is displayed.

- Touch center of the screen and drag left to find more source icons.



Note:

The figures used in these instructions are intended to facilitate the explanations and details may deviate from your device.



1. Enter main menu
2. Now Playing source
3. Top bar: Drag down to see more functions
4. Back
5. Enter Radio menu
6. Enter Android Auto menu
7. Enter Apple CarPlay menu
8. Enter Bluetooth Connections menu

Radio mode

Start radio mode

In the main menu, press the [**Radio**] button.

The radio playback menu is displayed.



Select memory bank

Different memory banks and wavebands are available. Up to 6 stations can be stored in each memory bank.

- Press the [**BAND**] button repeatedly until the desired memory bank is displayed.

Tuning into a station

Tuning into stations manually

- Briefly press the [**<**] or [**>**] button once or several times to change the frequency in increments.
- You can select broadcast frequency directly by dragging the red " | " in the frequency.

Starting station seek tuning

- Press the [**⏮**] or [**⏭**] button to start station seek tuning. The radio tunes into the next receivable station.

Note:

For the reception area Europe: In the FM waveband, only traffic information stations are tuned into if the priority for traffic information is switched on.

Storing stations manually

- Set the desired station.
- Press one of the memory buttons [**P1**] - [**P6**] for approx. 2 seconds to store the current station at the button.

Storing stations automatically

You can automatically search for and store the strongest reception in the region in the current memory bank. Any previously stored stations in this memory bank are deleted in the process.

- Select a memory band.
- Press the [**Q**] button.

The tuner starts the automatic station seek tuning. After the storing is completed, the radio plays the station at memory location 1 of the previously selected memory band.

Note:

For the Europe reception area: If traffic information is switched-on, only traffic informations are stored.

Adjusting the seek tuning sensitivity

The seek tuning sensitivity decides whether the automatic station seek tuning finds only strong stations or also weaker stations that may be noisy.

- Press the [**⏮**] button to adjust the sensitivity of station seek tuning.

If **LOC** is on, only stations with a strong signal are found during seek tuning.

If **DX** is on, stations with a strong and weak signal are found during seek tuning.

Switching RDS on/off

Many FM stations broadcast have RDS (Radio Data System) signal in addition to their programme in the reception area Europe that allows additional functions, such as the display of the station name.

- Press the [**RDS**] button to show RDS options.

Switching the AF (alternate frequency) function on/off

If the AF function is activated, the car sound system automatically tunes into the best receivable frequency for the station that is currently set.

- Press the button [**AF**] to switch the AF function on or off.

Switching priority for traffic announcements on/off

In the reception region Europe, a FM station can identify traffic announcements via RDS signal. If priority for traffic reports is switched on, a traffic report is automatically switched through, even if the car audio system is currently not in radio mode.

- Press the button [**TA**] to switch the priority for traffic announcements on or off.

Selecting Program Type and Start Seek Tuning

You can select a programme type with the PTY function to purposefully search for stations, for example, that broadcast rock music or sport events.

- Press the button [**PTY**] to display the programme types.

Scroll up/down a program with the selected program type, it locks on to it and commences playback.

Sound Settings

Equalizer

You can adjust the equalizer for all sources.

- Press [EQ] on the main menu or [EQ] of the current audio source.

The equalizer menu is displayed.



- Select a preset equalizer via preset buttons - Flat / Pop / Easy / Rock / Classic / Jazz / User1 / User2.
- Or -

- Press the [User] button to adjust the level of the available frequency bands according to your preferences.

Note:

With the [Reset] button, you can reset the customised setting again.

- Or -

- Press the [Flat] button for a linear sound playback.
- Turn on the [Loudness] to increase bass and treble at low volume.

Volume distribution (fader/balance)

You can adjust the volume distribution in the vehicle for all sources.

- Press the [EQ] button in EQ menu.

The menu for fader and balance is displayed.

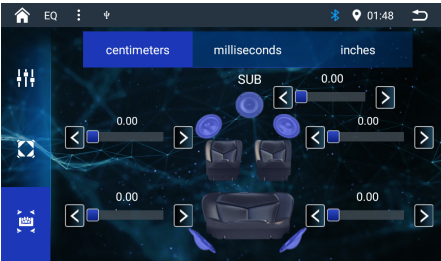


- Press the arrow buttons or drag the cursor to adjust fader and balance.

Time Alignment

You can set the runtime delay for each loudspeaker.

- Press the [EQ] button in EQ menu.



- Tap on the slide control or swipe across the slide control of the respective loudspeaker to adjust the runtime delay.

USB media playback

Basic information

The car sound system can be used to play MP3 or WMA files on USB data carriers.

In addition, you can view movies and images from USB data carriers on the display or a connected monitor.

For safety reasons, the playback of movies and images on the integrated monitor is allowed only while the vehicle is in parked mode and the handbrake is applied. The "PARKING" cable must be connected with the hand brake connection of the vehicle (see Connection diagram at the end of these instructions). The movie playback on an external monitor is also possible while driving.

Note:

- We cannot guarantee the flawless function of USB data carriers available on the market.

USB data carrier

This device features USB ports at the rear of the device.

Connecting a USB data carrier

- Insert the USB data carrier in the USB socket.

The device automatically switches to USB mode. The data is read and playback.

Removing the USB data carrier

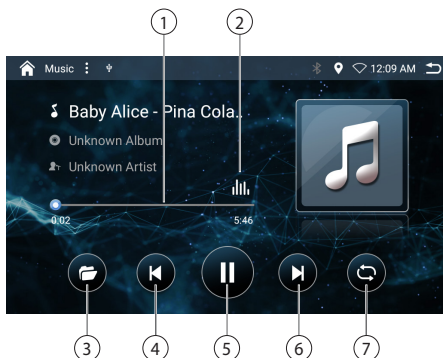
- Turn off the car sound system.
- Disconnect the USB data carrier.

Audio playback from USB

The principles of the audio playback (MP3/WMA) from data carriers are identical for all sources.

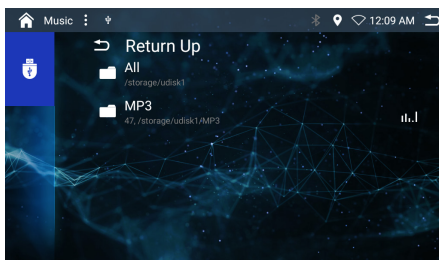
- Select the [**Music**] source via the main menu.

The device changes to the USB source and the playback starts.



1. Progress bar
2. Sound effect
3. Display the folder/file list
4. Previous track
5. Interrupt playback and continue playback
6. Next track
7. Repeat/Random play

Folder/file list:

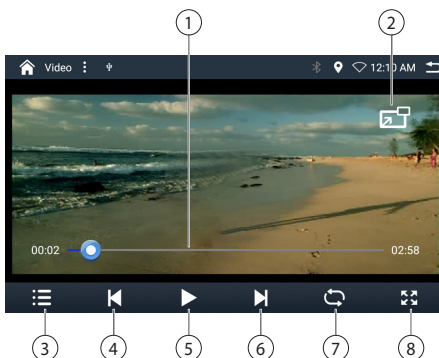


Briefly tap on the name of the folder/track. The folder is opened/the track is started.

After starting a title, the playback menu is displayed.

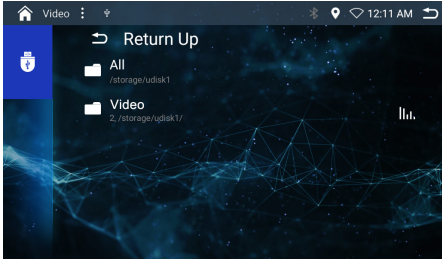
Video playback from USB

- Select the [**Video**] source via the main menu.



1. Progress bar
2. Play in a small window
3. Display the folder/file list
4. Previous chapter
5. Interrupt playback and continue playback
6. Next chapter
7. Repeat/Random play
8. Aspect ratio

Folder/file list:

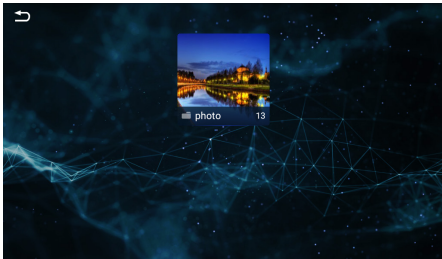


Note:

Folders and videos are selected and started as described under audio playback.

Image playback from USB

Select the [**Picture**] via the main menu.



Touch the thumbnail to view the pictures.

Bluetooth mode

The Bluetooth® function allows registering cell phones and media playback devices with the car sound system.

When you register a cell phone with the car sound system, you can make phone calls with the built-in hands-free function. You can access the lists of dialled numbers and the phone book of the registered cell phone.

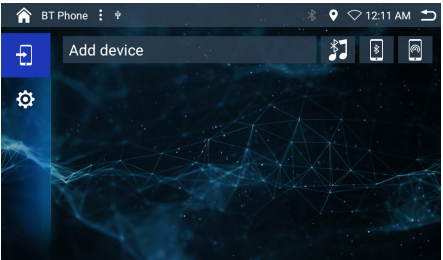
If the connected Bluetooth® device supports the functions A2DP and AVRCP, you can play the music via the car sound system and control the playback. During a call, the music playback is interrupted and continued again after the call.

If a cell phone is registered via Bluetooth® and a call is received during the playback of another source, the source playback is interrupted and the call menu is displayed.

Starting Bluetooth mode

In the main menu, press on [**BT Phone**].

The Bluetooth® menu is displayed. It contains the list of known Bluetooth® devices. Other audio sources are switched off.



Registering Bluetooth devices

If you want to register a device with the car sound system for the first time, proceed as follows:

- Ensure that Bluetooth® is activated at the car sound system and at your Bluetooth® device.
- Search for new devices/connections on your Bluetooth® device.
- Select the car sound system name from the list of Bluetooth® devices.
- Establish the connection; you may have to enter the pairing code that was previously entered on the car sound system.

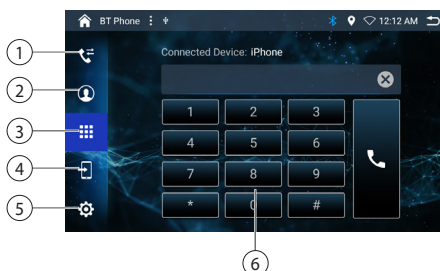
The connection is being established and the menu for the registered device is displayed.

Notes:

- If a telephone is connected with the car sound system, the Bluetooth® icon is lighted at the top of the display in all audio/video sources.
- If CarPlay or Android Auto is connected via Bluetooth, the BT Phone and BT Music will switch to CarPlay/Android Auto mode automatically.

Telephone mode

If you connected a phone with the car sound system via Bluetooth®, the following menu appears.



1. Call up records lists.
2. Call up phone book.
3. Call up dial keypad menu
4. Call up device menu
5. Call up BT setting menu
6. The dial keypad

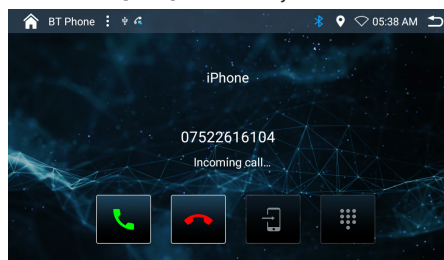
Dialing

- Enter a phone number with the keypad and press the [] button.
- Or -
- Select a contact/number via the caller lists or phone book.

Answer a call

If a call is coming in, the "Call in" number is displayed.

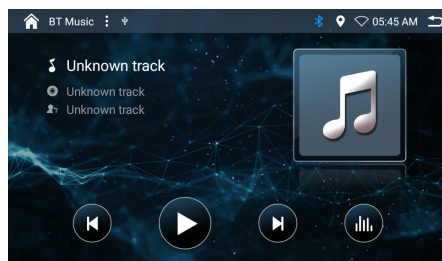
- Press the [] button to answer a call.
- Press the [] button to reject a call.



Audio playback via Bluetooth streaming

If an audio streaming device is connected with the car sound system via Bluetooth®, you can play back the music via the car sound system and control the playback.

- Press the [**BT Music**] button to change to the audio playback.



- [] Title selection.
- [] Interrupt playback and continue playback.
- [] Title selection.

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.

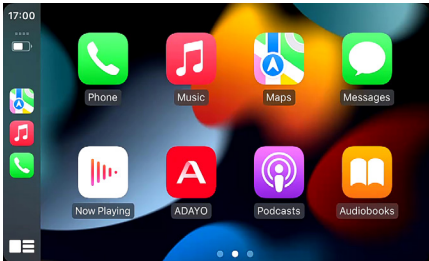
How to enter CarPlay mode

1. **Connect via Bluetooth or USB cable**

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

Or Connect the iPhone by Apple Digital Cable.

☞ 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).

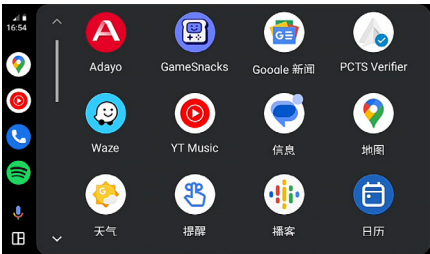
How to enter Android Auto mode

1. **Connect via Bluetooth or USB cable**

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

Or Connect the Android phone by standard micro USB cable.

☞ Agree with the terms provided by Google.



2. **To exit Android Auto mode, touch [] button on the front panel.**

To disconnect Android Auto, 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.

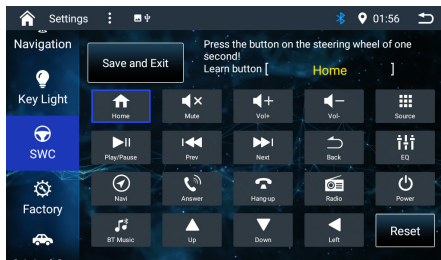
Camera Input

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.

Steering wheel control(SWC)

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**].



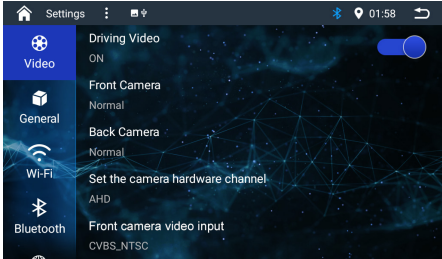
Settings

In the settings menu, you can adjust the basic settings for the different functions of the device to your requirements.

- ✎ In the main menu, press the [**Settings**] button.
The settings menu is displayed.
- ✎ Call up the submenus with the buttons in the lower area of the settings menu.

Video

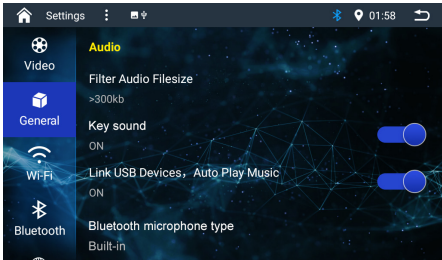
- ✎ Touch [**Video**], if necessary.



Driving Video – In “Off” mode, the screen will display Warning information if you play the video. The warning screen will prevent the driver from watching videos for safety.

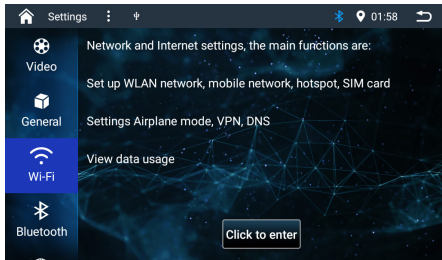
General

- ✎ Select an option to access/setup.



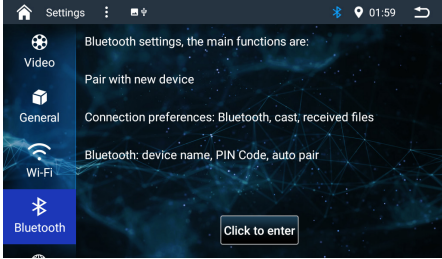
Wi-Fi

- ✎ Turn on the Wi-Fi and search the available networks.
- ✎ Select a hotspot to connect.



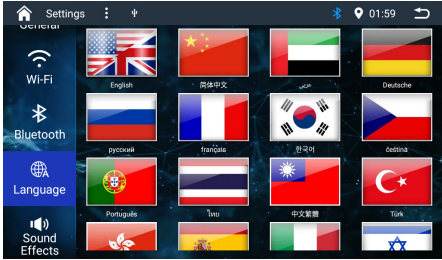
Bluetooth

- ✎ Manage the Bluetooth devices.



Language

- ✎ Select the system language.



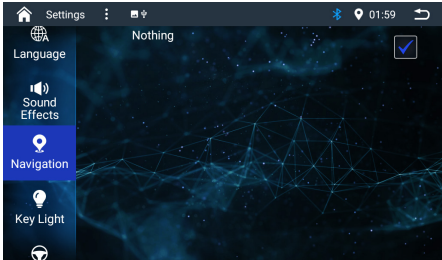
Sound Effects

- ✎ Set the Volume Level of each Source.



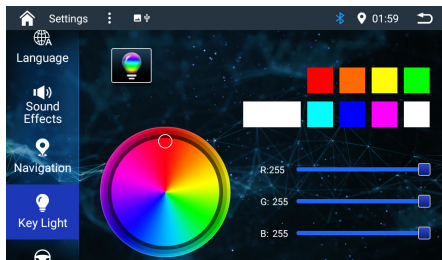
Navigation

- ✎ Select a Navigation source from the available list.



Key Light

Set the color of Key Light.

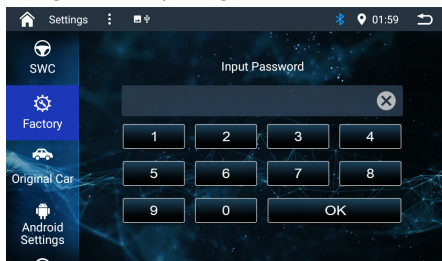


SWC

Refer to "Steering wheel control" in previous chapter.

Factory

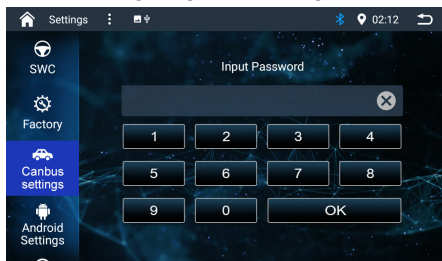
Manage the Factory configuration.



Default Password: 8888

Canbus Settings

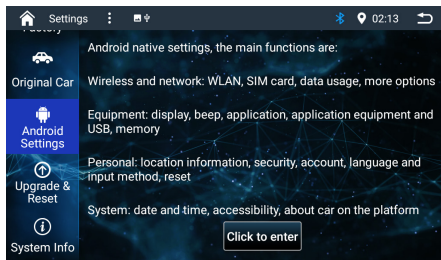
View and manage Original Car Settings of CAN box.



Default Password: 0000

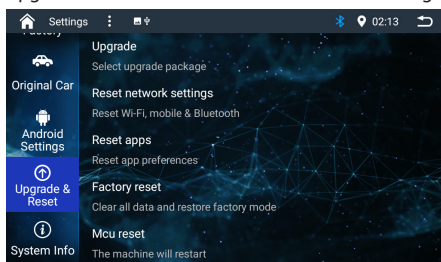
Android Settings

View and manage the Android Settings.



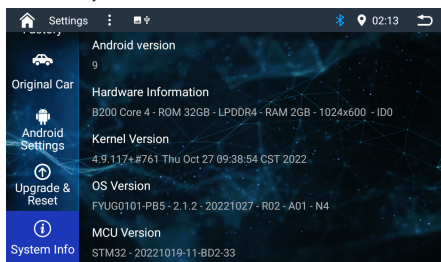
Upgrade & Reset

Upgrade the software and Reset the default settings.

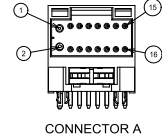
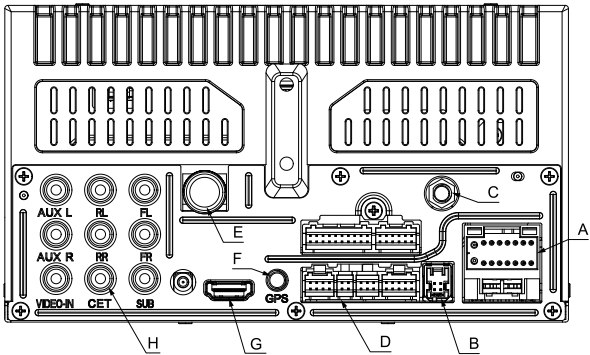


System Info

View the System Informations.



Connection diagram



NO.	CONNECTOR A
1	GND
2	BAT
3	ACC
4	ILL
5	REVERSE
6	SW_KEY2
7	SW_KEY1
8	ANT
9	FR-
10	RL-
11	FR+
12	RL+
13	FL-
14	RR+
15	FL+
16	RR-



CONNECTOR B
USB Connector



CONNECTOR E
RADIO Antenna



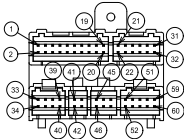
CONNECTOR C
WIFI Connector



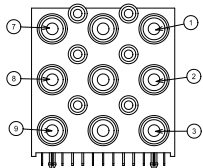
CONNECTOR F
GPS Antenna



NO.	CONNECTOR G
1	TMD5_D2+
2	GND
3	TMD5_D2-
4	TMD5_D1+
5	GND
6	TMD5_D1-
7	TMD5_D0+
8	GND
9	TMD5_D0-
10	TMD5_CLK+
11	GND
12	TMD5_CLK-
13	NC
14	NC
15	RX_SCL
16	RX_SDA
17	GND
18	VCC_5V
19	RX_HPD



NO.	CONNECTOR D	NO.	CONNECTOR D	NO.	CONNECTOR D
1	NC	21	NC	41	USB_5V
2	NC	22	NC	42	USB2_D+
3	NC	23	NC	43	GND
4	NC	24	NC	44	USB2_D-
5	NC	25	NC	45	NC
6	NC	26	NC	46	NC
7	NC	27	NC	47	NC
8	NC	28	NC	48	NC
9	NC	29	NC	49	NC
10	NC	30	NC	50	NC
11	NC	31	NC	51	NC
12	NC	32	NC	52	NC
13	NC	33	NC	53	NC
14	NC	34	NC	54	GND
15	NC	35	NC	55	NC
16	NC	36	NC	56	CAMERA
17	NC	37	NC	57	CAMERA_POWER (B+=14V)
18	NC	38	NC	58	GND
19	MIC-	39	NC	59	PARKING
20	MIC+	40	NC	60	NC



NO.	CONNECTOR H
1	RCA_FL
2	RCA_FR
3	RCA_SUB
4	RCA_RL
5	RCA_RR
6	RCA_CET
7	AUX_AL
8	AUX_AR
9	AUXVIDEO_IN

CONNECTOR H

Troubleshooting

What appears to be trouble is not always serious. Please check the following points before calling a service center.

Problem	Cause	Corrective action
General		
Unit can not power on	Unit fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation	Reset the unit.
No/low audio output	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Heavily biased volume balance.	Adjust the channel balance to center position.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections.
Poor sound quality or distortion	Speaker power rating does not match unit.	Replace speakers.
	Wrong connections.	Check wiring and correct.
	Speaker is shorted.	Check wiring and correct.
Unit resets itself when engine is off	Incorrect connection between ACC and BATT.	Check wiring and correct.
TFT monitor		
Warning information is shown at all times	Parking break wiring is not correct.	Check wiring and correct.
Flashing image or interference appears on screen	Video cable damaged.	Replace cables.
	Improper video signal connections.	Check wiring and correct.

