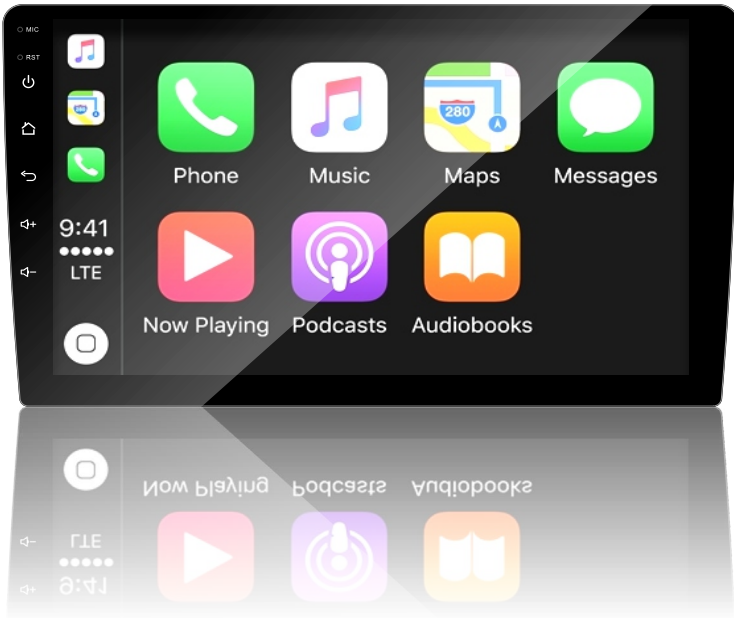# RM4Y65

Operating Instructions

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.
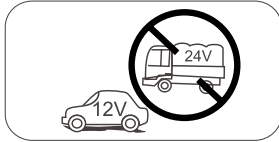

Never install this unit where the operation & condition for safe driving is impaired.
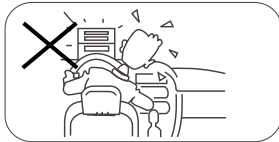

Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.
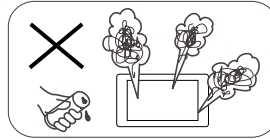

Never expose this unit, amplifier, and speakers to moisture or water to prevent electric sparks or fire.
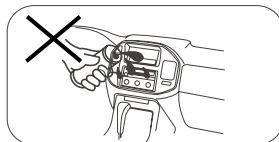
Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.
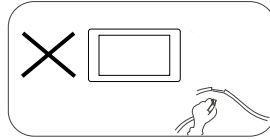
Please contact your nearest dealer if one of the following symptoms is experienced:

(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.
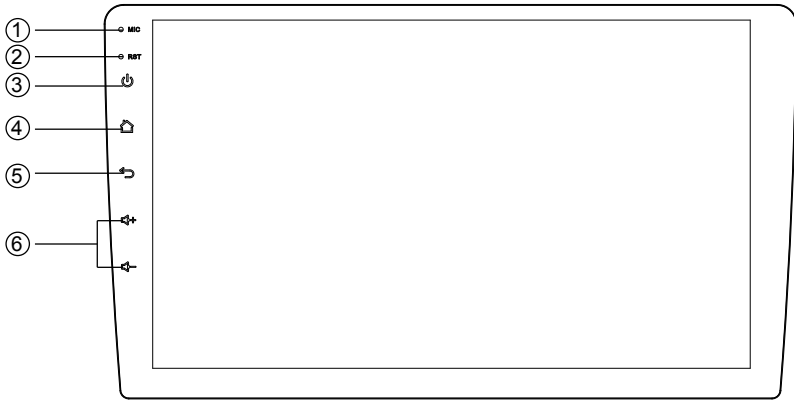
Safety Precautions

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 [RESET] with a ball-point pen or similar tool to resume factory default.
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.

Contents

Front Panel

1. Microphone
2. Reset Button
   Reset the unit.
3. [⏻] Rotary/pushbutton
   Short press: Switch on device
   In operation: Mute audio source
   Long press: Switch off device
4. [⌂] Button
    Show main menu
5. [↩] Button
   Returns to previous screen
6. **[◁+/ ◁−] Button**
   Increase/Decrease the volume

Parking Brake Inhibit

- When the "BRAKE" cable is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is applied.
- Parking brake function is overridden when the video source is set to REVERSE.
- When the parking brake inhibit is active, the front monitor displays "Warning!!! It is illegal to view video while driving or operating a motor vehicle. Set parking brake to view video.", preventing the driver from watching content while driving. Rear video screens are not affected.

Mute

Press [⏻] button to mute the volume from the unit. Press again to restore the volume.
Adjusting the volume or using any of the audio setup features cancels the mute function.

Power On / Off

Press the [⏻] button on the unit to turn the unit on. The buttons on the front of the unit light up for a moment and the current mode status appears in the LCD.
Press and hold the [⏻] button to power off the unit.

Playing Source Selection

Press the [⌂] button on the front panel to change between available playing sources. The playing mode is displayed on the screen.
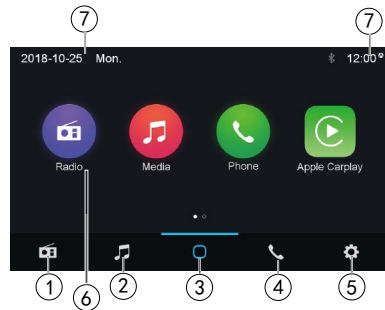
1. Enter radio mode.
2. Enter music menu.
3. Show main menu
4. Enter bluetooth mode.
5. Enter setting menu.
6. Function icons
7. Clock

Volume Adjustment

To increase or decrease the volume level, press the [◁+/ ◁−] button on the front panel. The volume ranges from "0"to "39".

5

Equalizer

1. Enter the EQ setup mode
   Touch the [EQ] icon in the user interface and the EQ setup interface will display on the screen.
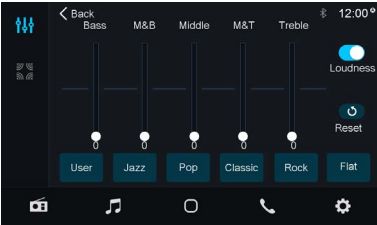2. Select EQ mode
   Touch the desired EQ selection: [User] / [Jazz] / [Pop] / [Classic] / [Rock] / [Flat], and the EQ mode will change.


Adjust EQ Parameters

To adjust EQ parameters, touch and drag the parameters adjustment bar.

[User]: Set the desired audio effect.
[Flat]: Select the original audio effect.
[Reset]: Cancel the equalizer function settings.
[Loudness: On/Off]: When listening to music at low volumes, this feature will selectively boost certain bass and treble frequencies.

Volume distribution (fader/balance)

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

1. Press the [🎵] button. The menu for fader and balance is displayed.
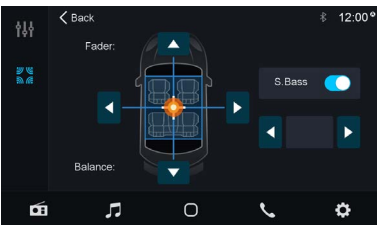
2. Adjust fader and balance with [▼] / [▲] or [◀] / [▶].

Set Date /Time

1. Touch [⚙].
2. Touch [Time].
   The date/time setup menu is displayed.
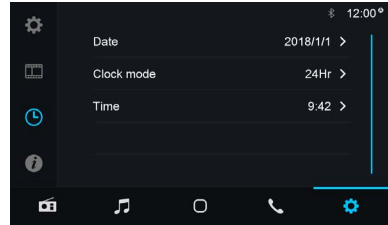
· **Set Date**
1. Touch [Date].
2. Touch the date information on the screen. A submenu is displayed.
3. Touch [▲] or [▼] to set year, month and day.

· **Set Clock Mode**
1. Touch [Clock mode].
2. Touch [12Hr] or [24Hr] to switch clock mode.

· **Set Time**
1. Touch [Time].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [▲] or [▼] to set hour and minute. Touch [▲] or [▼] to set AM/PM (only for 12Hr).

📝 **Note:**

When date/time is set, touch [✓] to confirm or [✕] to exit.

Radio Display

1. Current radio band indicator
2. Current frequency
3. Current preset radio station
4. TA: Traffic Announcement indicator
5. AF: Alternative Frequency indicator
6. Clock
7. Enter Preset Station list
8. Band switch
9.Tune backward
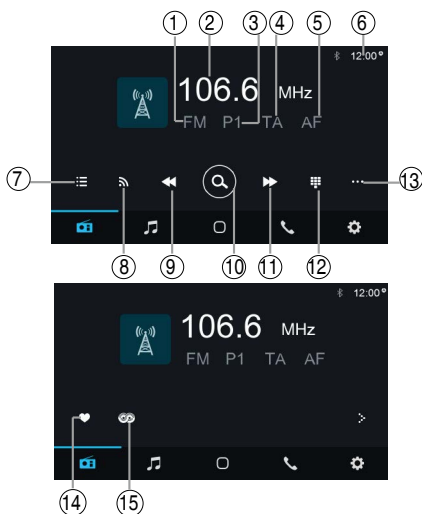   Auto tune backward. (long press)
10. Search stations automatically
11. Tune forward
    Auto tune forward. (long press)
12. Goto station by inputting frequency
13. Hide the second line of control buttons
14. Store the current station
15. RDS setting options

Select One Radio Band

Touch the [🔊] icon on the user interface to select one radio band among FM, AM.

Tune
Auto Tuning
Hold [◀◀] / [▶▶] icon on the user interface more than 1 second to seek a higher / lower station.

To stop searching, repeat the operation above or press other buttons having radio functions.

📝 Note:

When a station is received, searching stops and the station is played.

Manual Tuning
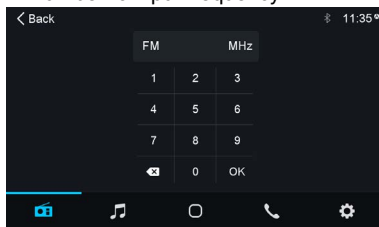### Method 1:
During manual tuning, the frequency will be changed in steps.

Touch the [◀◀] / [▶▶] icon on the user interface to tune in a higher / lower station.

Method 2:
1. Touch the numeric keypad icon [▦].
   Numeric keyboard is displayed, touch number to input frequency.

2. Touch [⌫] to delete the input number step by step.
3. Touch [OK] to enter.

Preset Station

Different memory bands and wavebands are available Up to 18 FM and 12 AM stations can be stored in each memory bank. hence the unit can store 30 stations in total.

Search Stations Automatically

Touch [🔍] to search station and store strongest stations in current band automatically.

Manual Store

1. Tune to a station.
2. Touch [••••] to display the 2nd menu.
3. Touch [🔲].

Recalling a Station

1. Select a band .
3. Touch [☰] to select the corresponding stored station.

RDS Basics

Radio Data System (RDS) enables traffic reports to be received and provides many facilities, including enabling the radio station name to be displayed on the radio display.

Adjust RDS Settings

1. In Radio menu, touch [⚙].
   The option menu is displayed.
2. Touch on the selected option to change the setting.
· [CT]: To turn On or Off "Clock Time".
· [RT]: To turn On or Off "RT".
· [PTY List]: To show PTY list.
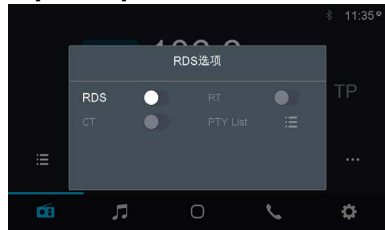
CT (Clock Time)

Some stations broadcast the time and date within the encoded RDS signal. The clock time is automatically adjusted when 'CT' is set to 'ON'.

PTY Function

PTY is the abbreviation for Program Type which is a code defining the type of program being broadcast (e.g. News or Rock).
PTY options will display on the screen. To view more PTY options, touch the scroll bar and arrows on the screen.
When one PTY option is touched (e.g. News), auto search for next available PTY by increasing tuning frequency until the PTY of the next station matches the current. If no matched PTY has been found, the unit will return to the original radio frequency.
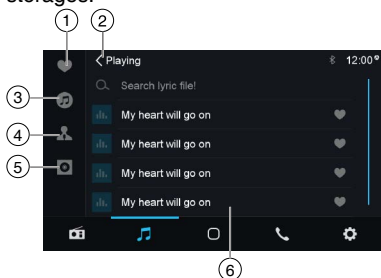
Connect a USB Device

Insert a USB device into the USB slot.
When connecting a USB device, the unit will read the files automatically.

Remove a USB Device

1. Select other source on the main menu.
2. Remove the USB device.

Music Playback

Select [🎵] of the screen, the unit will playback all the music on the mobile storages.

1. List the files by favorite
2. Return to playback menu
3. List the files by song name
   Touch a song to start play.
4. List the files by artist
   Drag up/down to scroll.
5. List the files by album
6. List window
   Drag up/down to scroll.
   Touch an item to select.
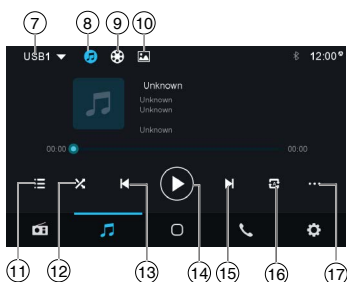
7. Select file source
8. Music playback menu
9. Video playback menu
10. Display all available picture files
11. Display the folder/file list.
12. Shuffle Play.
13. Previous track
14. Play/Pause

15. Next track
16. Repeat play
17. Show more control buttons
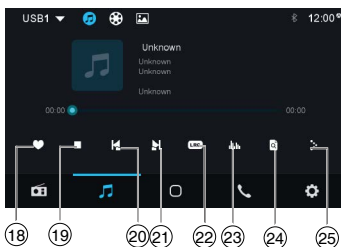
18. Favorite
19. Stop
20. Not used
21. Not used
22. Display/Hide lyric
23. Spectrum
24. Preview current folder songs
25. Hide the second line of control buttons.

Play/Pause

When playing, press [❚❚] button to pause, and the sound will be mute.
Press [▶] button to play.

Previous/Next Track

Press [◄◄] or [►►] button to go to previous or next track.

Select Music by Artist

1. Touch [👤] on the left of the screen.
2. Touch an artist shown on the list.
3. Select a song to play.

Select Music by Album

1. Touch [💿] on the left of the screen.
2. Touch an album shown on the list.
3. Select a song to play.

Search for a Folder

When playback, touch [▤] icon to show folder/file list.

Playlists

Add a song to favorite playlist
1. Press a song and select [▢].
2. Add it to an favorite playlist.

Delete a song from favorite playlist
1. Touch [🔲] on the left of the screen.
2. Press [➖] on the favorite playlist, then remove it from playlist.

Video Playback

Select [🎬] on the screen, the unit will playback all the video files on the storages.
During playback, touch the screen to show control buttons.

① ② ③ ④ ⑤ ⑥ ⑦
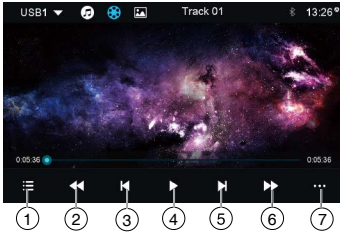
1. Show list menu
2. Fast backward
3. Previous movie
4. Play/Pause
5. Next movie
6. Fast forward
7. Show more control buttons

⑧ ⑨ ⑩ ⑪ ⑫ ⑬
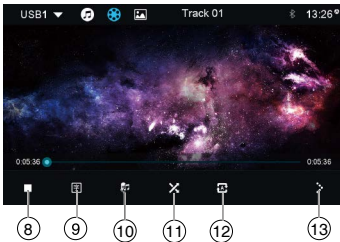
8. Stop
9. Subtitle language
10. Original sound and accompanying sound
11. Shuffle Play.
12. Repeat play
13. Show previous page of control buttons

Gallery Operations

1. Select [🖼] on the screen.
2. Select one gallery to show the picture list.
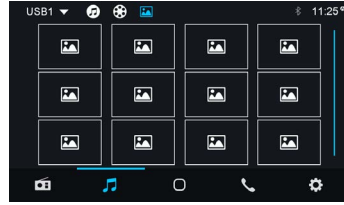
3. Touch to view it.
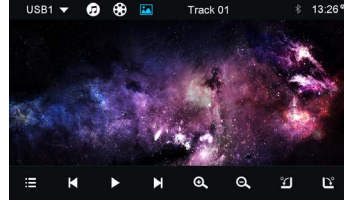
Drag left/right to scroll.

Bluetooth Mode

The Bluetooth allows you to utilize your car's built-in audio system for handsfree wireless mobile phone or music communication. Some Bluetooth mobile phones have the audio features, and some portable audio players support Bluetooth feature. This system can play audio data stored in a Bluetooth audio device. The car stereo with Bluetooth will be able to retrieve phonebook contacts, received calls, dialed calls, missed calls, incoming calls, outgoing call and listen to music.

Notes:

- *This system will not operate or may operate improperly with some Bluetooth audio players.*
- *The unit cannot guarantee the compatibility of all mobile phones together with the unit.*
- *Audio playback will be set to the same volume level as set during telephone call. This can cause problems, if extreme volume level is set during the telephone call.*

Touch [Phone] on the main menu to enter Bluetooth Phone mode.
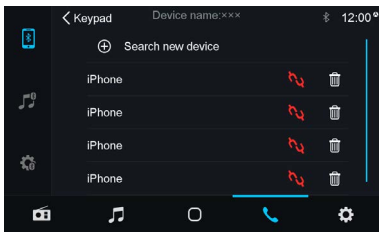
[🕸]:Establish a connection.

[🗑]:Delete the Bluetooth® device from the list.

1. Turn on Bluetooth function of your mobile phone.
2. Search for new Bluetooth devices on your phone. Select Device name from the pairing list on the mobile phone, and enter password.
   Or touch [⊕] button on the screen to search mobile Bluetooth devices.

   After connect successfully, the unit show following menu.
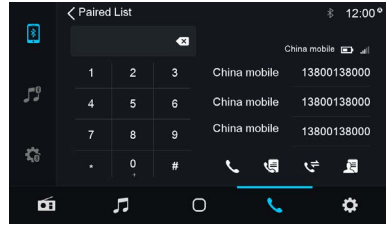
Making a Call

- **Dial Number**
1. Input numbers by digit-keys on the screen. Touch [⟨×⟩] to clear the digits.
2. Touch [📞] button to dial out.
3. Touch [☎] button to terminate call.
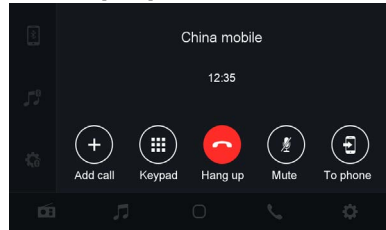
- **Answering a call**
You can answer an incoming call by pressing the [📞] button.
Touch [☎] button to reject an incoming call.
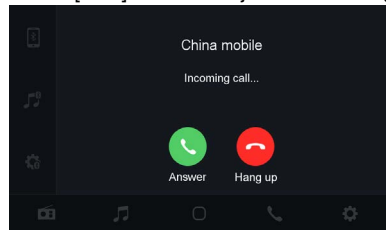
Call from Phonebook

1. Touch [📇] button to show your phone book.
2. Select a number to select and touch [📞] button to dial out.
3. Touch [🔍] to search a contact name.
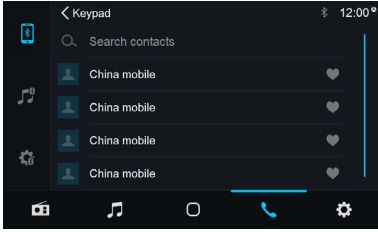
Call History

Access Call History by touching [📞] button.
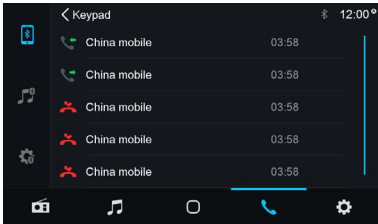
Then select a number from Dialled/Missed/Received calls.

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.
Touch [ ] button to play music on your mobile phone.
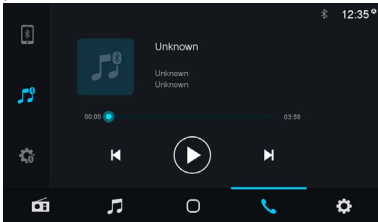
[◀◀]   Previous track
[▶]   Play/Pause
[▶▶|] Next track

Adjust Bluetooth Settings

1. In Bluetooth menu, touch [⚙].
   The option menu is displayed.
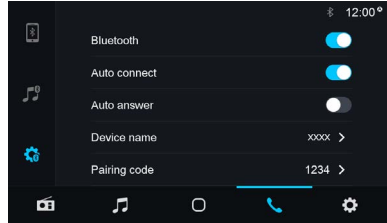
2. Touch on the selected option to change the setting.
· [Bluetooth]: To turn on or off "Bluetooth" function.
· [Auto connect]: To turn on or off "Auto connect" function.
· [Auto answer]: To turn on or off "Auto answer" function.
· [Device name]:
· [Pairing code]: To set paring code.
· [Microphone]: External/Internal

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 your iPhone to the CarPlay connector of the unit via the Apple Digital Cable. The unit will enter CarPlay mode automatically.
2. To exit CarPlay mode, touch [🏠] button on the front panel.
   If you want to return to CarPlay mode, touch [Apple 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.

Android Auto brings the most useful apps to your phone screen or your compatible car display, in a format that makes it easy for you to keep your main focus on drving. You can control things like navigation and maps, calls and text messages, and music.

Prepare your phone

Make sure your phone is running Android 5.0 (Lollipop) and up. For best performance, we recommend Android 6.0 (Marshmallow) and up.

Download the Android Auto app from Google Play.

Make sure your phone has a strong and fast network connection. We recommend running Audroid Auto for the first time within Wi-Fi range for the fastest installation.

Audroid Auto on your phone screen

1. An Android phone running Android 5.0 (Lollipop) and up with a data plan. For best performance, we recommend Android 6.0 (Marshmallow) and up.
2. A car mount for your phone (optional but recommended).
3. A USB cable (optional for charging)
4. The Android Auto app.

Audroid Auto on your car display (with a USB cable)

1. An Android phone running Android 5.0 (Lollipop) and up with a data plan. For best performance, we recommend Android 6.0 (Marshmallow) and up.
2. A car stereo that's compatible with Android Auto.
3. A high-quality USB cable.
4. The Android Auto app.

Basic 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 [⚙] button. The settings menu is displayed, the General submenu is activated.
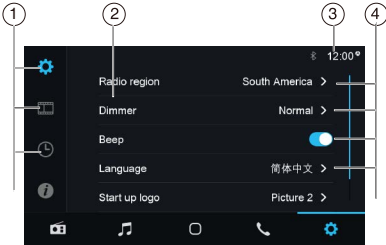
The settings display features the following functions and displays:
① Menu items
② Currently selected menu item
③ Clock
④ Submenu items

General settings

The following setting are possible:

Radio region - Select the reception region for the radio reception.

Dimmer - Touch the [Dimmer],there 5 mode to select: Auto/Night/Sunset/ Normal/Bright.

Beep - Switch confirmation beep on/off.

Language - Select on-screen display language.

Start up logo -You can select start up logo.

SWC - The buttons of a connected steering wheel control can be configured here.

Video settings

The following setting are possible:

Parking - If "Parking" is activated, video/ pictures will not be displayed during driving. Please set according to local laws.

Time settings

The following setting are possible:
Date - Set the date.
Cloct mode - Selection between 12Hr and 24Hr mode.
Time - Set the time.

System settings

The following setting are possible:
· To view software version information.
· Restore to default settings.

Listen to Other Devices

You can connect an external audio/video device to the unit.

1. Connect the external device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV-IN] to access external device.

Reset

When the unit hangs up, you can reset it. Press [RESET] with a ball-point pen or similar tool.
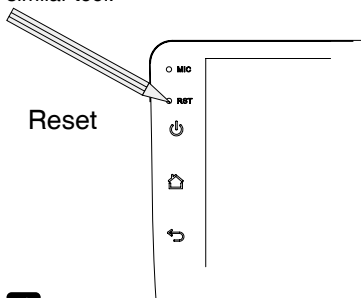
Reset

📝 Note:

When the unit has been reset, all the settings will return to default settings.

Replace a Fuse

If there is no power, the fuse may be damaged and need to be replaced.

1. Take out the unit from dashbpard.
2. Check all electrical connections.
3. Buy a fuse that matches the amperage of the damaged fuse.
4. Replace the fuse while the units power is disconnected.

Steering Wheel Control Programming

1. Touch the [⚙] button, the settings menu is displayed.
2. Touch [General setting] in the settings page.
3. Touch [SWC], the SWC menu will display.
4. Adjust each key with a individual function.
5. Touch [Pair] to program.
6. Press each individual steering wheel control button for each corresponding function.

7. Once the final steering wheel control button is programmed, the functions are saved and the programming will end.
8. Touch [Reset] to reset the programming.

15
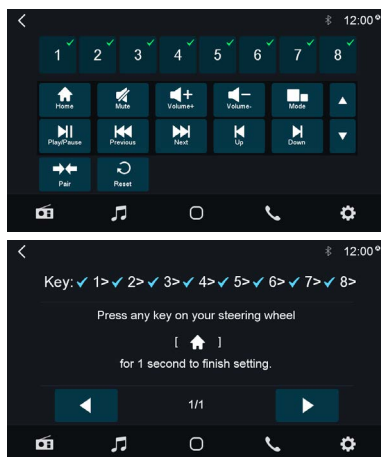
Specifications

General

Reference Supply Voltage.. 12V(DC)
Operating Voltage Range..10.5 - 15.8V(DC)
Max Operating Current..15A
Maximum Output Power... 4 X 25W
Grounding System.. Car Battery Negative Pole
Dimensions(WXHXD).. 229.2*130.6*50.2 mm
Weight(main unit) 1.09kg

FM

Signal Noise Ratio.. ≥55dB
Residual Noise Sensitivity (S/N=30dB) 18dBμV
Frequency Response (±3dB) ....20Hz~12.5KHz
Station Seeking Level... 20~28dBμV
Distortion .... ≤1.0%
Stereo Separation (1KHz) .... ≥25dB
Antenna Impedance 75Ω

AM

Residual Noise Sensitivity (S/N=20dB) 30dBμV
Selectivity (±9KHz) .... ≥50dB

LCD

Screen size... 9 inchs (16:9)
Display resolution ....1024 X 600 dots
Contrast ratio.. 4000:1
Brightness...280cd/m^2

AUX IN

Distortion .... ≤0.5%
Frequency Response (±3dB) ....20Hz~20KHz
Audio Input Level...0.5Vrms

Audio

Audio Output Impedance...100Ω
Audio Output Level.. 2Vrms(Max)

Video

Normal Video Input Level (CVBS)...1.0±0.2V
Video Input Impedance...75Ω
Video Output Impedance...75Ω
Video Output Level..1.0±0.2V

Environment

Operating Temperature ....-30°C ~ +70°C
Storing Temperature..-40°C ~ +85°C
Operating Humidity... 30%~95%RH
Storing Humidity .... 30%~95%RH

Notice:

When the unit is operated to extremes, such as with maximum power output for a long time, or the temperature is over 70°C, it will enter heat protection mode, the volume will be reduced automatically. This is normal.

ACC

AUX-R

AUX-L

USB

RED

WHITE

MIC

Black

RADIO ANT

AUX-CVBS

Yellow

Red

White

USB-0.5A

CAMERA VIDEO IN

BRAKE

BACK

CAM 12V

CAM PWR GND

Pink

Brown

Blue/White

Black

YELLOW

BLACK
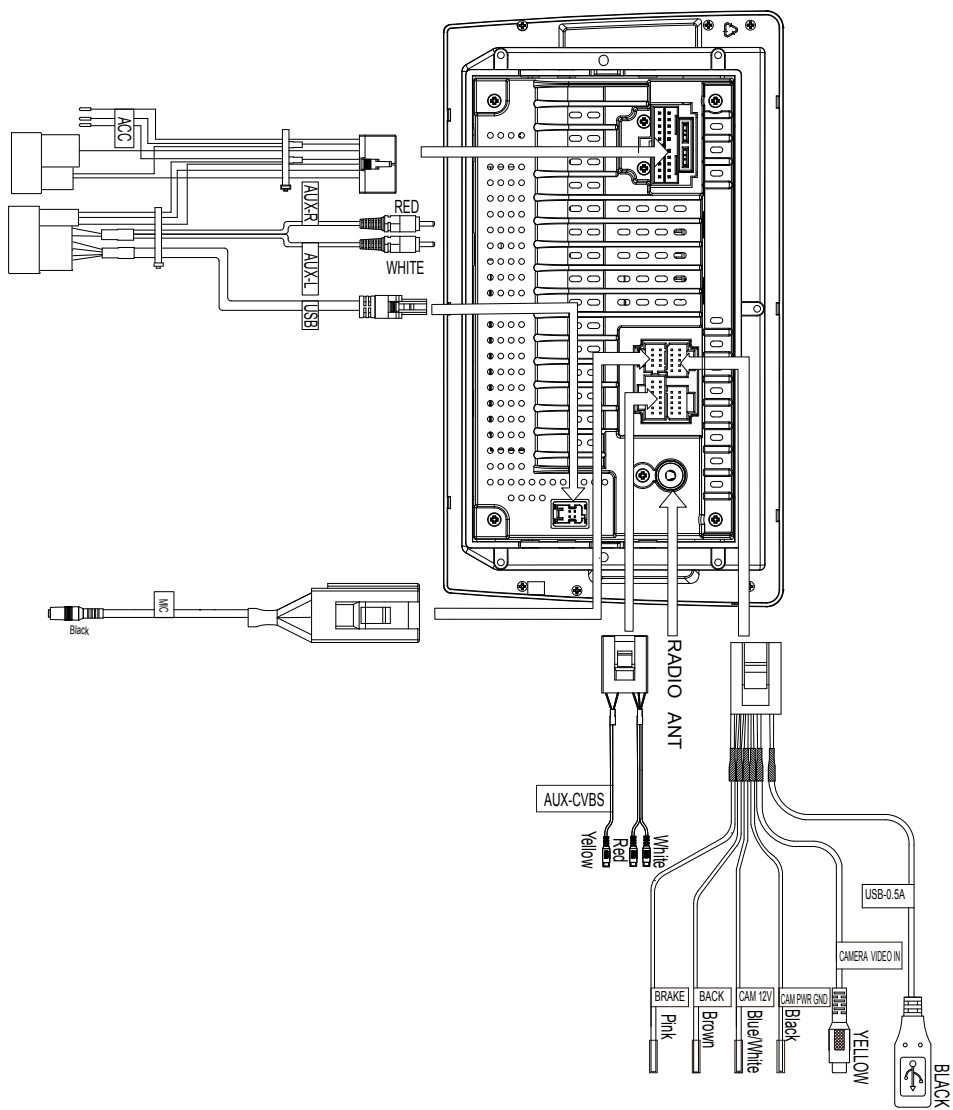
FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
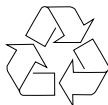
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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.

FCC Radiation Exposure Statement

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

PN.: 1270750014400