

clarion

**In-Vehicle Infotainment
Owner Manual
Q000**

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1. Precautions

- This product max. operating ambient temperature is 45 degree C.
- : The symbol indicates DC voltage.
- : The symbol indicates standby-by.
- : This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.;
- Hereby, Clarion declares that this Q000 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

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.

Warning: Changes or modifications to this unit 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.

Operating temperature

The maximum operating ambient temperature of this product is 45 degrees Celsius.

Operating reception frequency

Middle East:

AM: 526.5 ~ 1606.5 KHz STEP: (9)KHz

FM: 87.5 ~ 108 MHz STEP: 100kHz

DAB:174 ~230MHz

Americas:

AM: 525 ~ 1730 KHz STEP: (10)KHz

FM: 87.5 ~ 108 MHz STEP: 200kHz

Europe/Africa/Asia (excluding Japan):

AM: 531 ~ 1602 KHz STEP: (9)KHz

FM: 87.5 ~ 108 MHz STEP: 100kHz

DAB:174 ~240MHz

Operating frequency

Bluetooth: 2402 ~ 2480MHz BR/EDR/LE

WiFi 2.4G: 2412 ~ 2462MHz 802.11b,g,n

WIFI 5G: 5745 ~ 5825MHz 802.11a,n

General

Power Supply Voltage Range: 9 ~ 16V, Rated Voltage: 13.2V

Normal Operating Voltage: 9 ~ 16V

USB Output Voltage: 5V, 2.1A DAB

Circuit Output Voltage: 12V

AM/FM Circuit Output Voltage: 12V

GPS: 5V

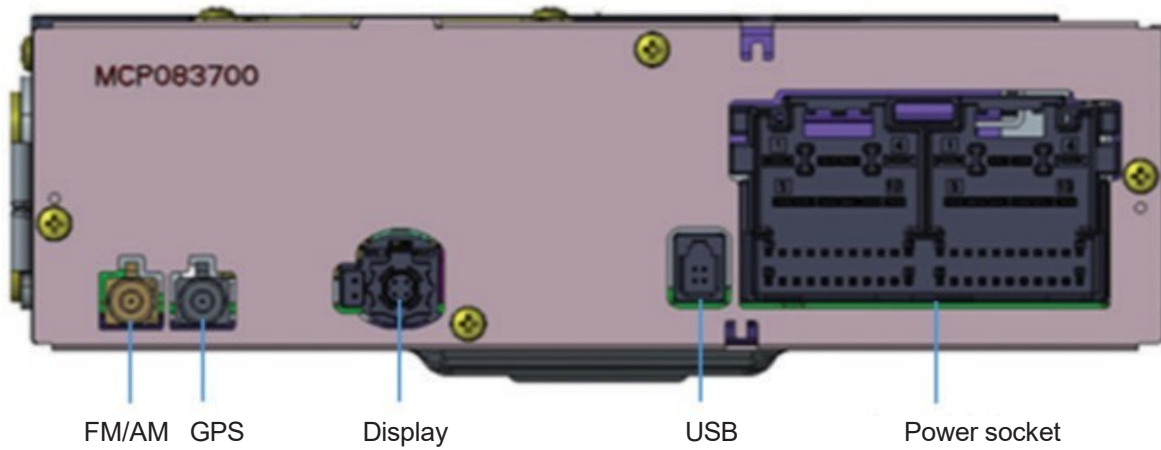
2. Head Unit

■ Front&Top View

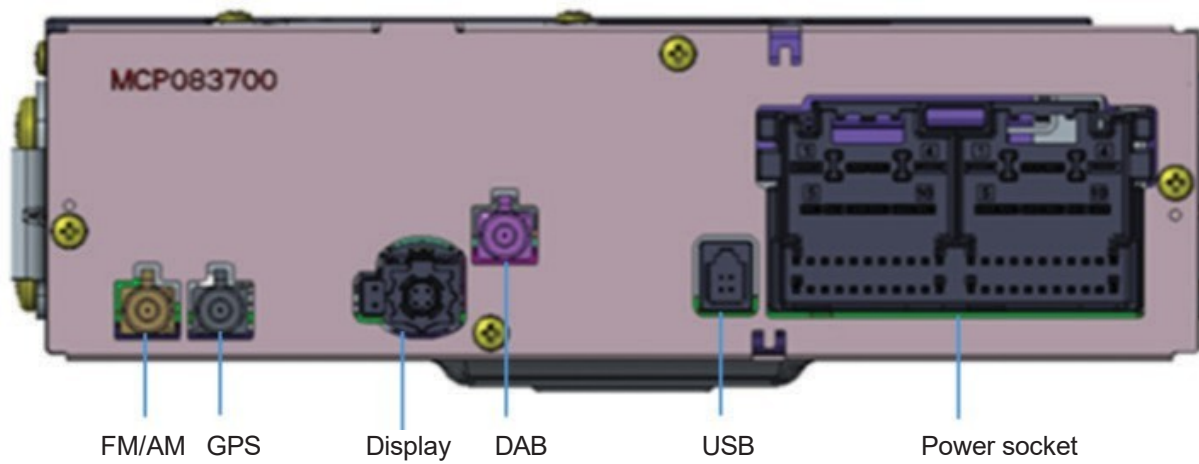


■ Connectors on back

Standard



Advanced



3. Common

Home Page

Automatically enter the home page including 3 widgets after booting.



- 1) Bluetooth Telephone widget
- 2) Vehicle Settings widget
- 3) Music playback widget

Launcher Bar

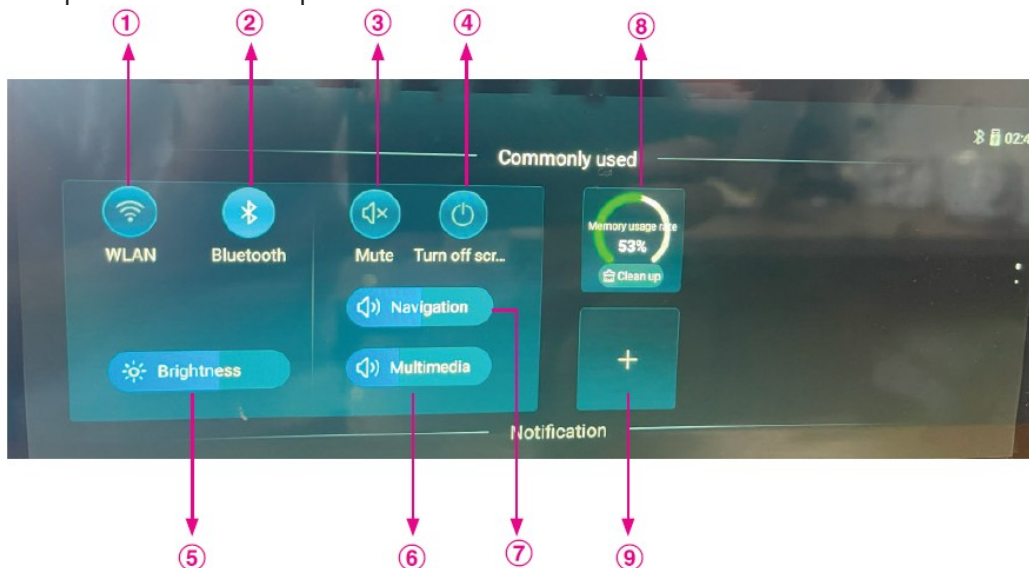
The launcher bar is on the bottom of any screen.



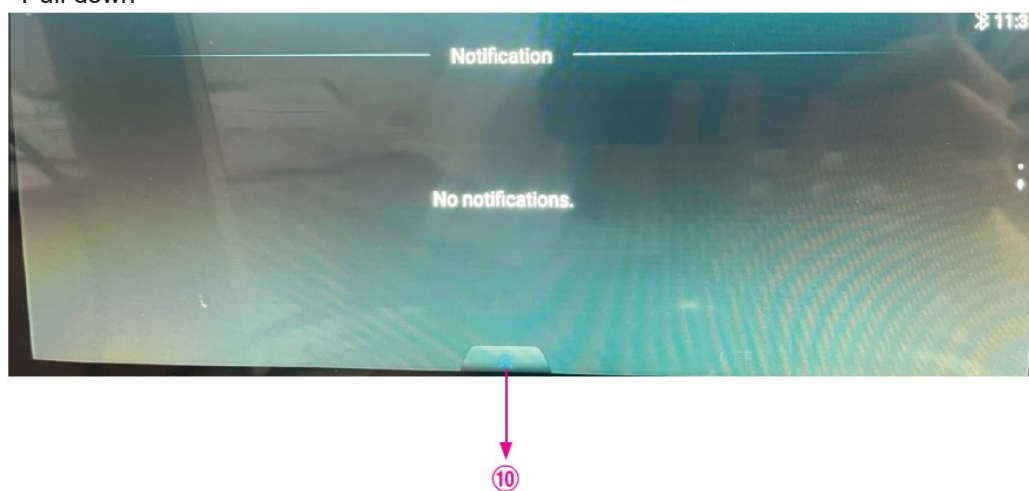
- 1) Once an Apple CarPlay device is connected device, the icon will be activated. Click to enter Apple CarPlay
- 2) projection screen.
- 3) Once an Android Auto device is connected device, the icon will be activated. Click to enter Android Auto
- 4) projection screen.
- 5) Click to enter home menu.
- 6) Click to enter AC screen.

Drop-down menu

Swipe down from the top of the screen.

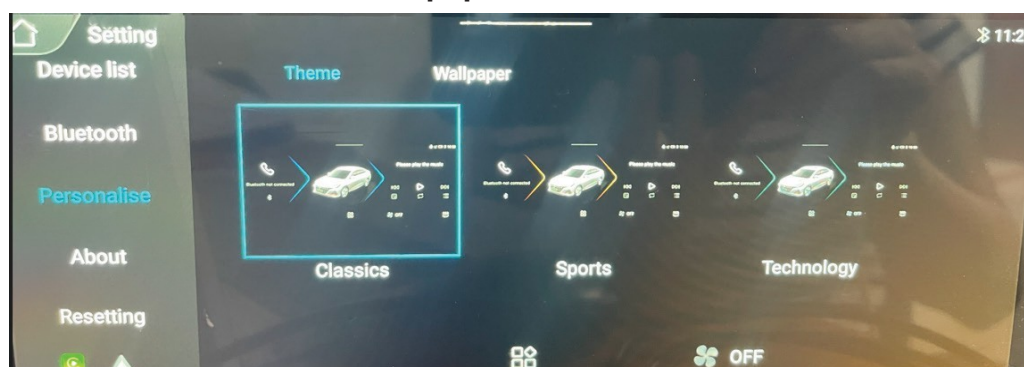


Pull down



- 1) WLAN on or off
- 2) Bluetooth on or off
- 3) Mute on or off
- 4) Turn off screen
- 5) Slid to adjust brightness
- 6) Adjust navigation volume
- 7) Adjust multimedia volume
- 8) Clean up the cache
- 9) Add more control
- 10) Hide drop-down menu

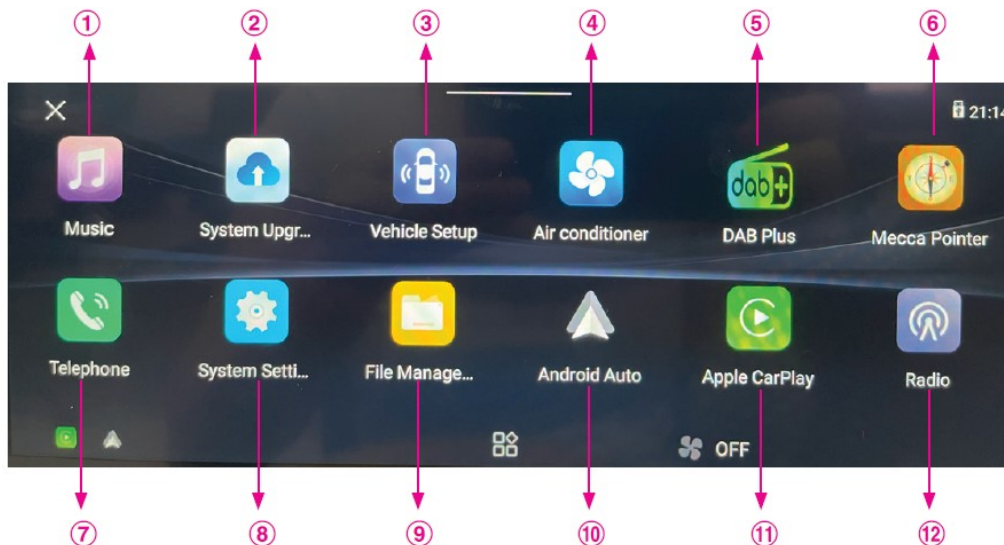
Personalise theme and wallpaper



- 1, Click Home menu icon
 - 2, Click System Setting button
 - 3, You can personalise the theme and wallpaper
- There 3 themes to select: Classics, Sports, Technology

Home Menu

Click  on launcher bar to enter home menu.

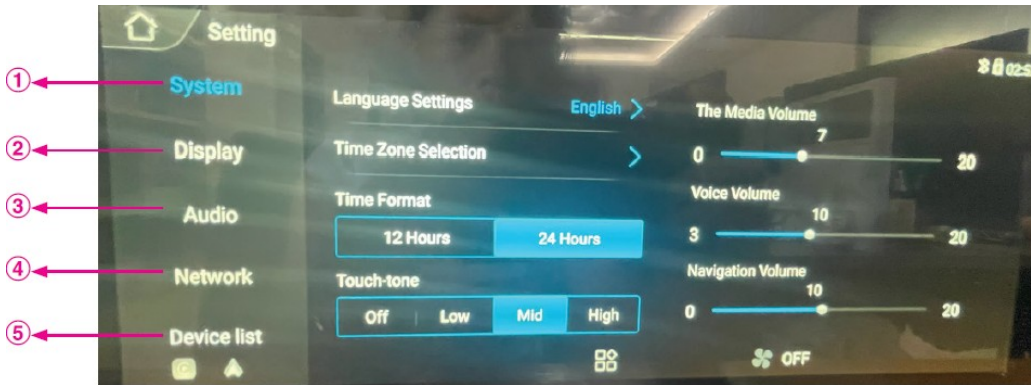


- 1) Select a music source including USB Music, Bluetooth Music, Local Music to play
- 2) System Upgrade
- 3) Vehicle Setup
- 4) Air conditioner
- 5) DAB Plus (only for advanced model)
- 6) Mecca Pointer (only for advanced model)
- 7) Bluetooth Telephone
- 8) System Setting
- 9) File Management: Audio, video and picture can be copy to car audio.
- 10) Once an Android Auto device is connected device, the icon will be activated.
- 11) !Once an Apple CarPlay device is connected device, the icon will be activated.
- 12) @Listen to FM, AM radio

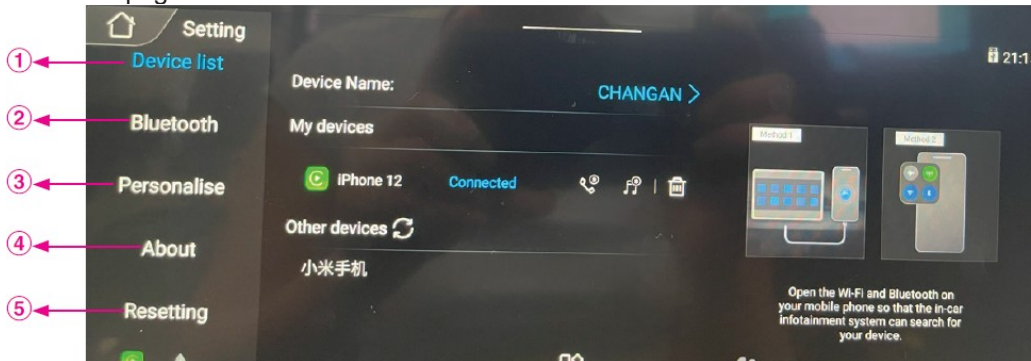
4. System Setting

System Setting

Click  on home menu.



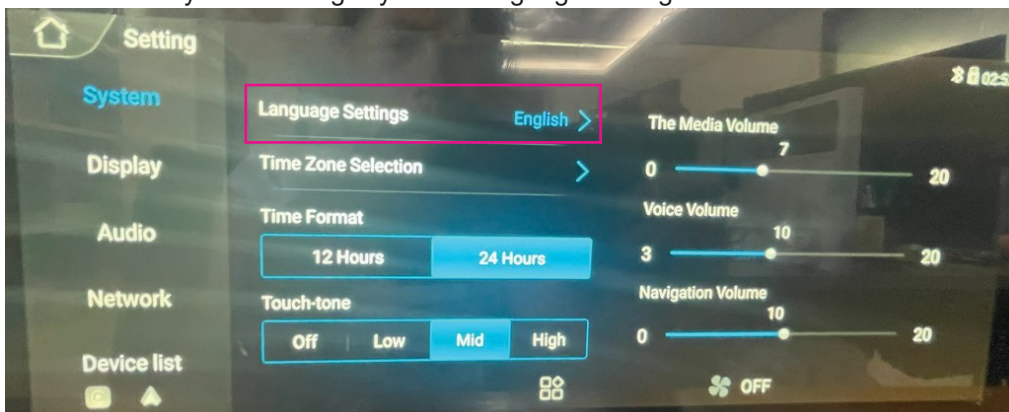
Scrolled page



- 1) You can set the language, time zone, volume, etc.
- 2) You can turn off screen, set the brightness, off screen effect etc.
- 3) Audio effect setting
- 4) WLAN, Hotspot switch on/off
- 5) Blue device list
- 6) Bluetooth setting
- 7) Theme and wallpaper personalization
- 8) Head unit information
- 9) Reset to factory settings

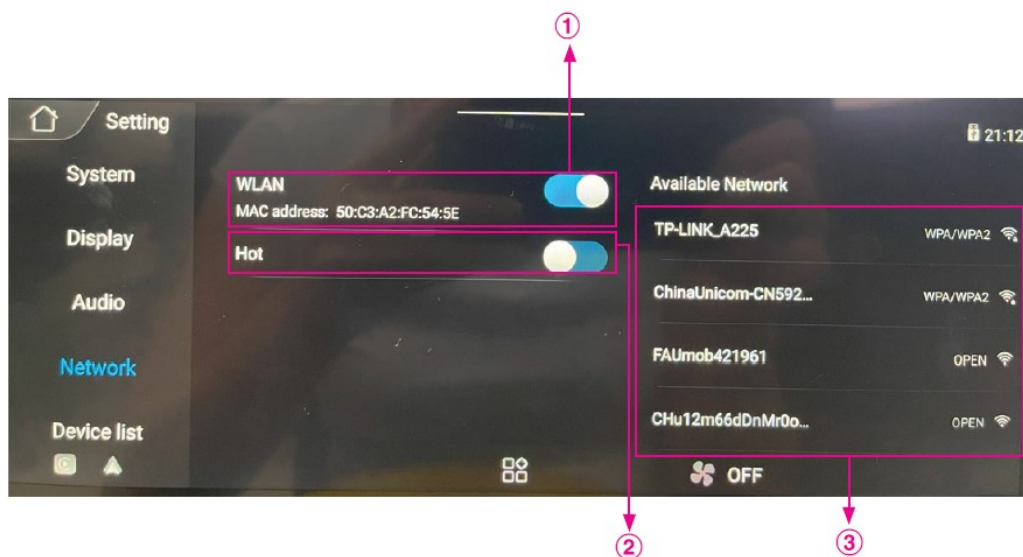
Language Setting

Home Menu>System Setting>System>Language Settings



Network

Home Menu>System Setting>Network



- 1) WLAN on/off
- 2) Hotspot on/off
- 3) Available network

5. Music Playback

Switch music source

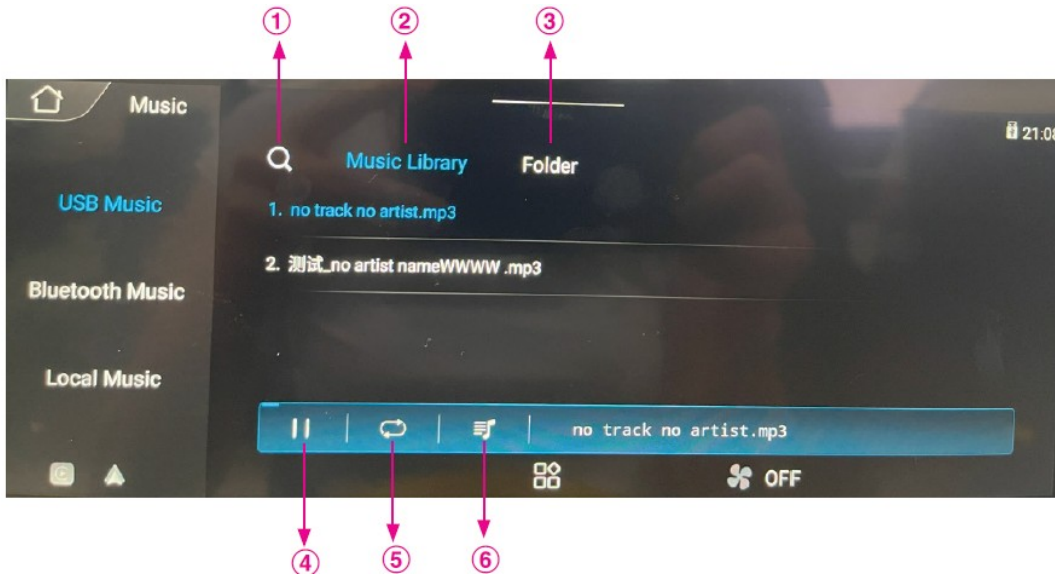
USB music, Bluetooth music and local music can be switched.

1, Enter home menu, and click Music icon to enter music screen.

2, Switch a music source you prefer to play.

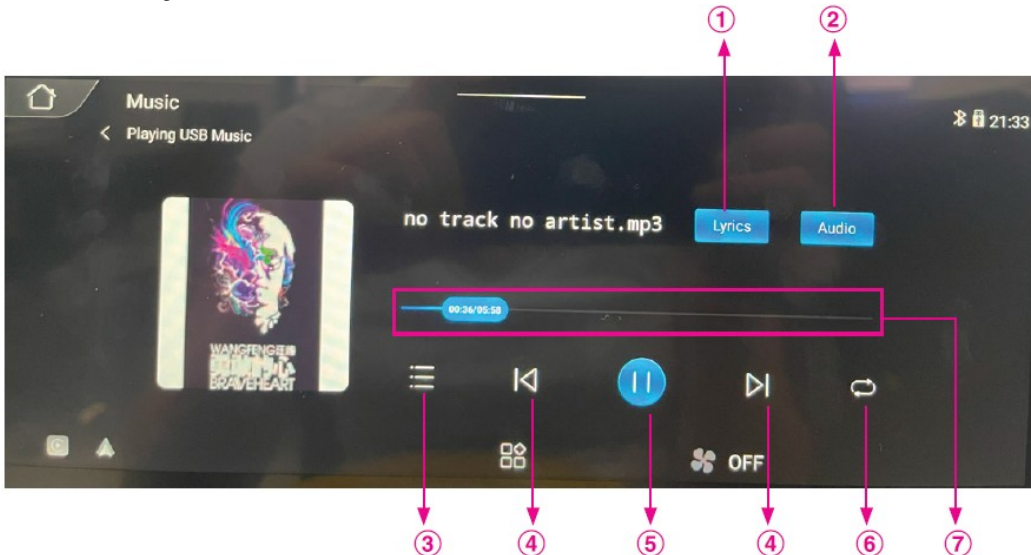
USB music

■ List Screen



- 1) Search a music
- 2) Browse all music files in USB
- 3) Browse all music folders in USB
- 4) Play or pause the current playing file
- 5) Switch play mode
- 6) Go to the detail playback screen

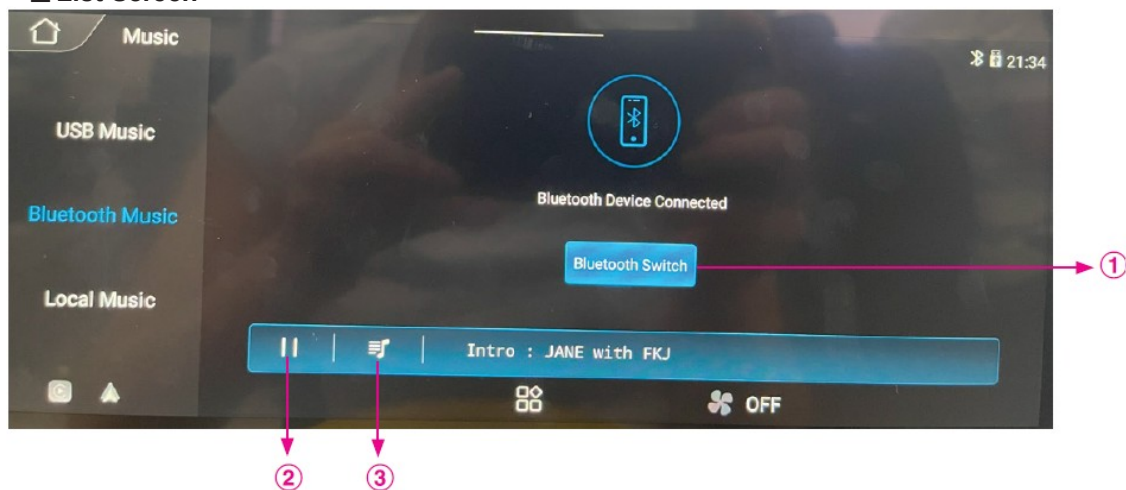
■ Detail Playback Screen



- 1) Display the lyrics.
- 2) Enter audio setting screen.
- 3) Enter list screen.
- 4) Play the previous music and next music;
- 5) Press and hold: fast backward and fast-forward.
- 6) Play / Pause
- 7) Switch play mode
- 8) Drag or click progress bar to adjust play time

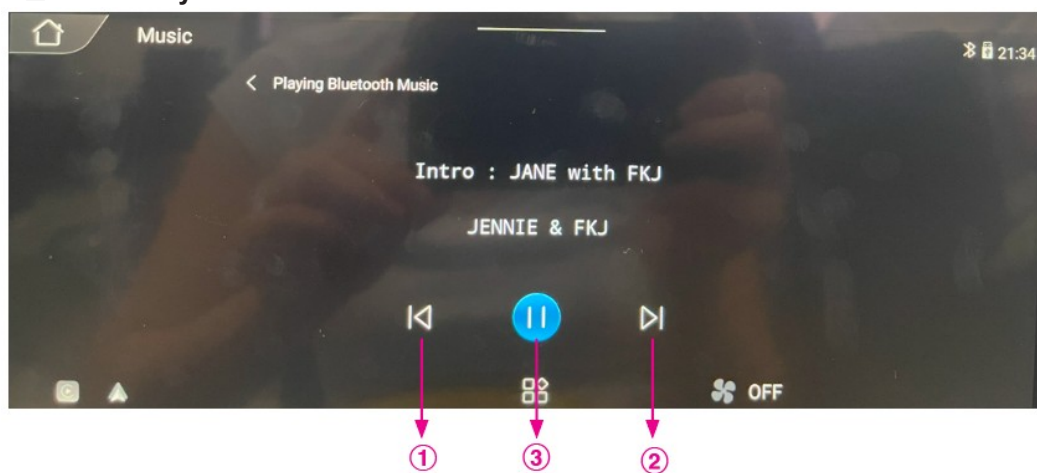
Bluetooth Music

■ List Screen



- 1) Switch another Bluetooth device
- 2) Play or pause the current playing file
- 3) Enter the detail playback screen

■ Detail Playback Screen

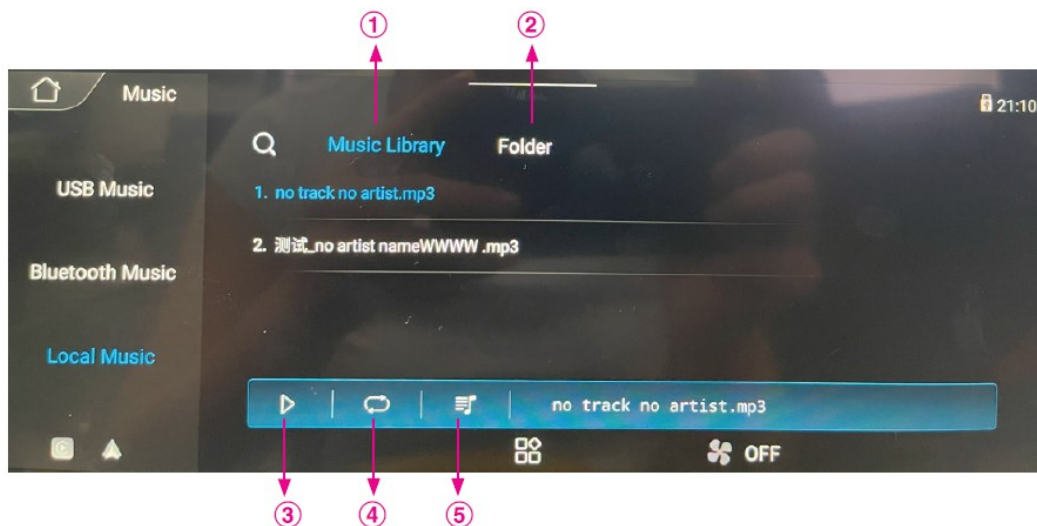


- 1) Switch another Bluetooth device
- 2) Play or pause the current playing file
- 3) Enter the playback screen

Local Music

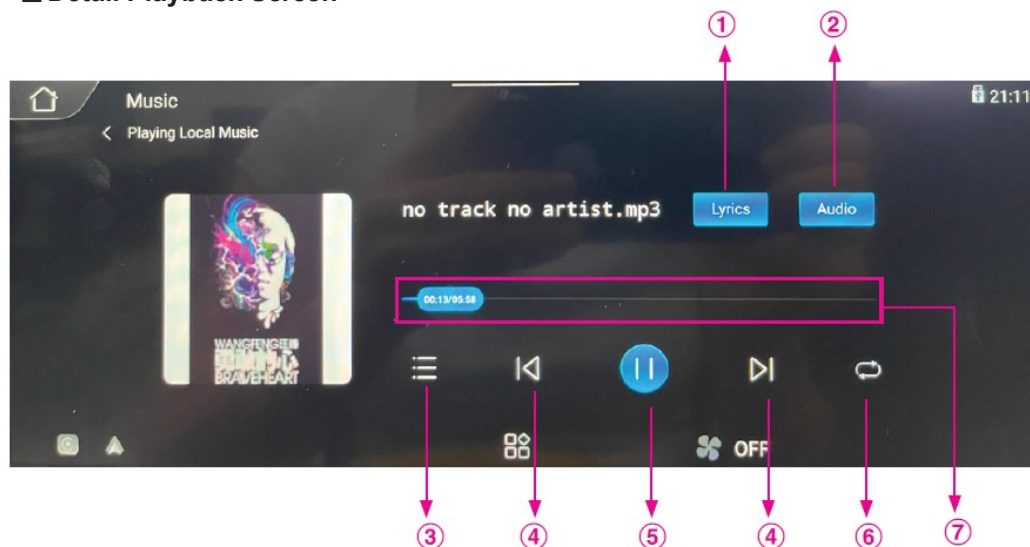
Local music can be copied from USB device. For details please refer to "File Management" chapter.

■ List Screen



- 1) Browse all music files in USB
- 2) Browse all music folders in USB
- 3) Play or pause the current playing file
- 4) Switch play mode
- 5) Enter the detail playback screen

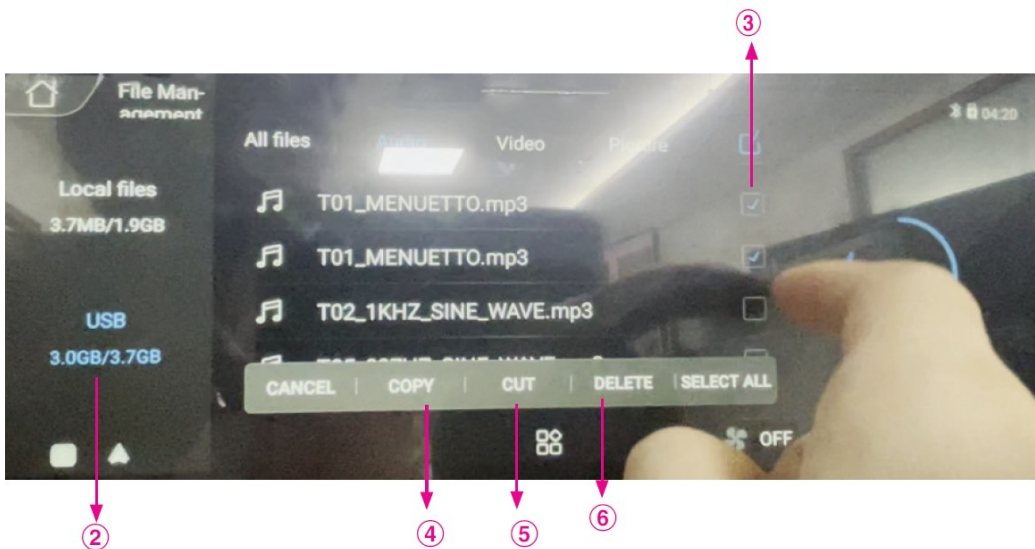
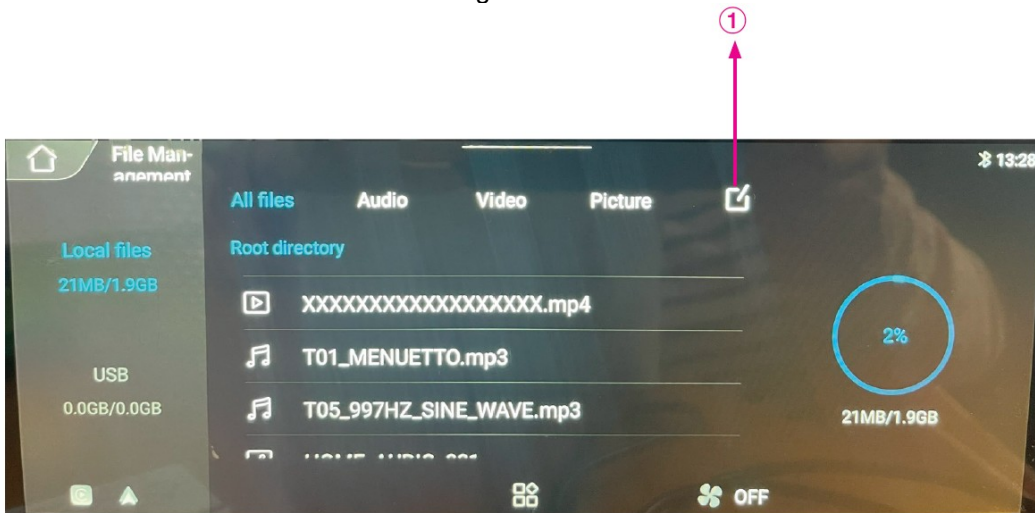
■ Detail Playback Screen



- 1) Display the lyrics.
- 2) Enter audio setting screen.
- 3) Enter list screen.
- 4) Play the previous music and next music;
Press and hold: fast backward and fast-forward.
- 5) Play / Pause
- 6) switch play mode

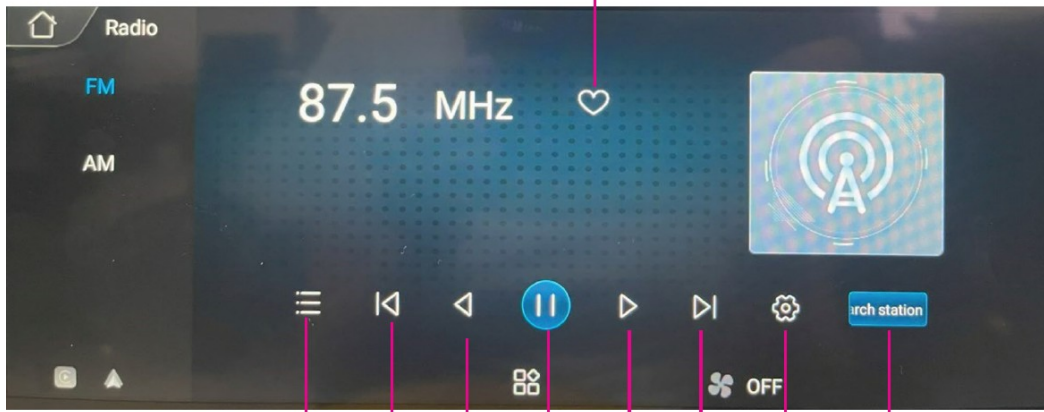
6. File Management

Local files and USB files can be managed.



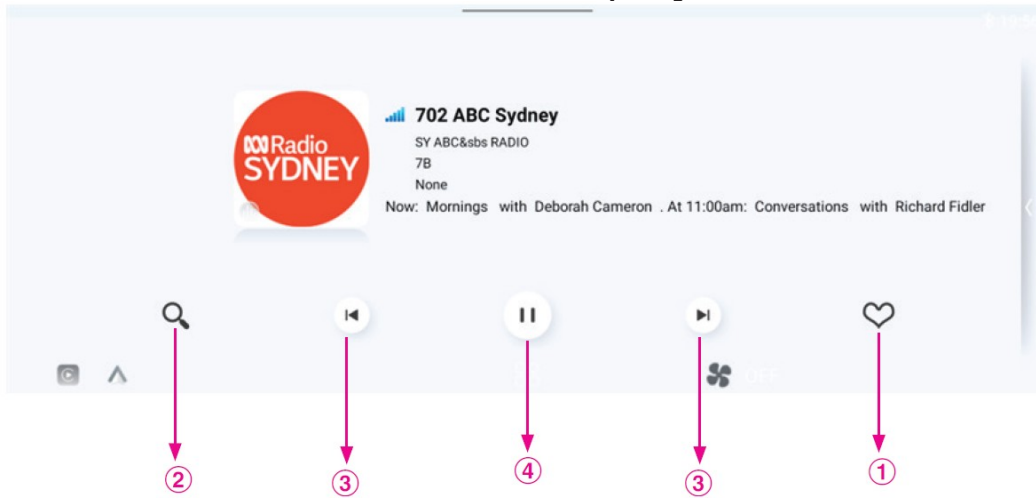
- 1) Click edit icon to enter edit status.
- 2) Switch to the USB root
- 3) Click the check box to any files that you want to copy, cut or delete.
- 4) Copy and paste the selected files to the other path.
- 5) Cut and paste the selected files to the other path.
- 6) Delete the selected files.

7. FM / AM radio



- 1) Click to add it as your favorite station.
- 2) Go to station list
- 3) Auto seek up or down
- 4) Manual tuning up or down
- 5) Play/Pause
- 6) Station setting
- 7) Search station

8. DAB Plus (only for advanced model)



- 1) Click to add it as your favorite station.
- 2) Go to station list
- 3) Seek up or down
- 4) Play/Pause

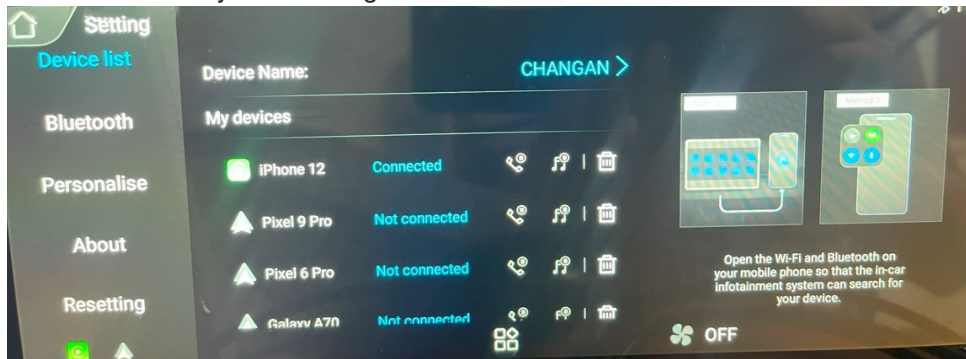
9. Smartphone Operation

Bluetooth Pairing

1, Enter Bluetooth device list screen or Bluetooth setting screen.

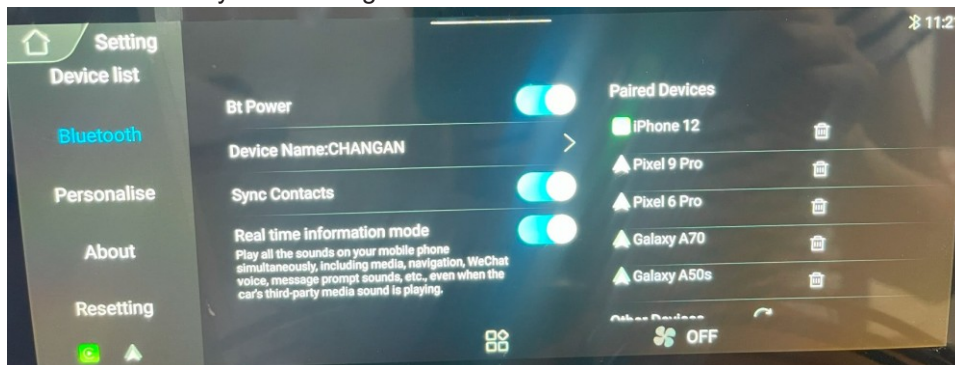
Bluetooth device list

- Home Menu=>System Setting=>Device list



Bluetooth setting

- Home Menu=>System Setting=>Bluetooth



2, Slide the device list until to "Other Devices"

3, Enter Bluetooth setting screen on your Bluetooth device you want pair.

4, Update the device list and select device to pair.

- From car audio: select your Bluetooth device to pair.

or

- From Bluetooth device: select car audio (default name: CHNAGAN) to pair.

5, Confirm the PIN code.

6, If your Bluetooth device support Apple CarPlay or Android Auto, it will prompt if you want to connect Apple CarPlay or Android Auto.

Bluetooth device list

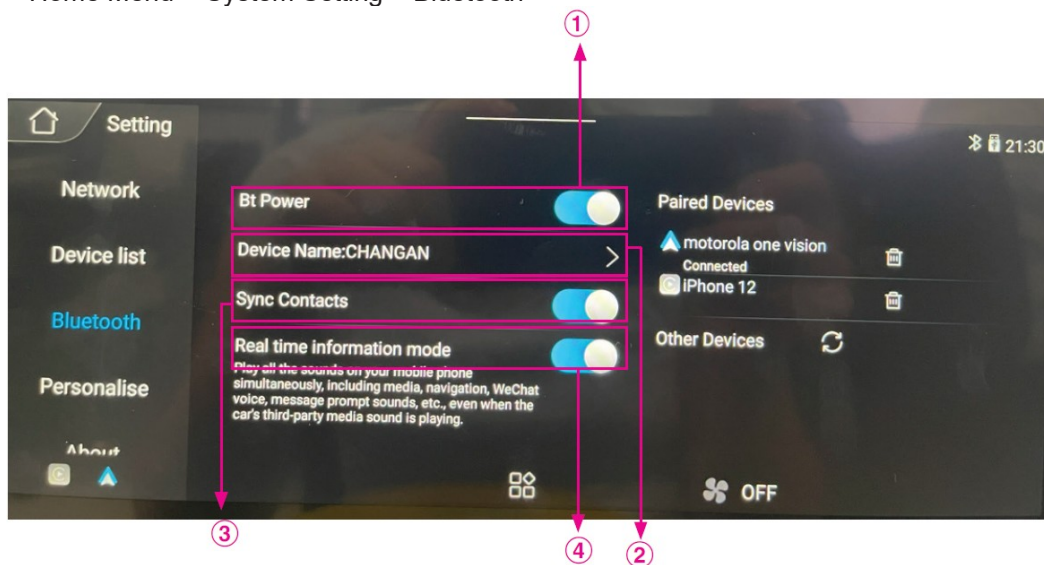
Home Menu=>System Setting=>Device list



- 1 Edit device name
- 2 Apple CarPlay icon/ Android Auto icon: If it is connected, it will be highlighted.
- 3 Connected Bluetooth device name
- 4 Connecting status
- 5 Hands-Free Profile (HFP) icon: If it is connected, it will be highlighted.
- 6 Audio/Video Profile (AVP) icon: If it is connected, it will be highlighted.
- 7 Delete the connected device
- 8 Instruction

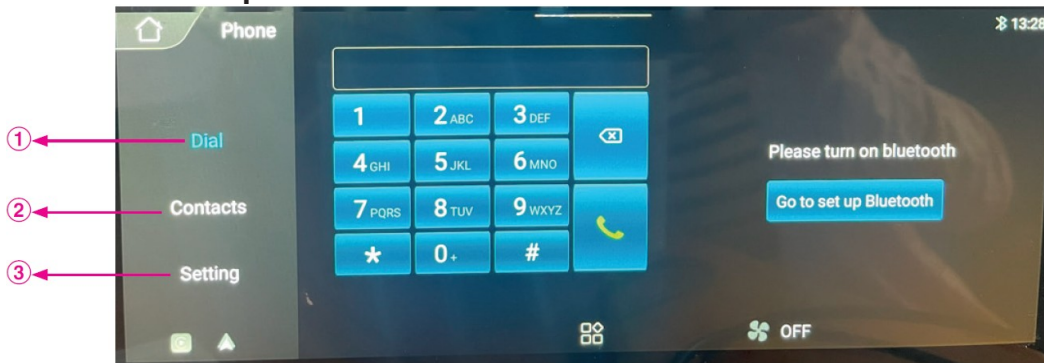
Bluetooth Setting

Home Menu=>System Setting=>Bluetooth



- 1 Bluetooth on or off
- 2 Car device name. You can click to go to the edit screen to edit it.
- 3 Contacts sync on or off when pairing.
- 4 Set whether play all the sounds on your mobile phone simultaneously or not.

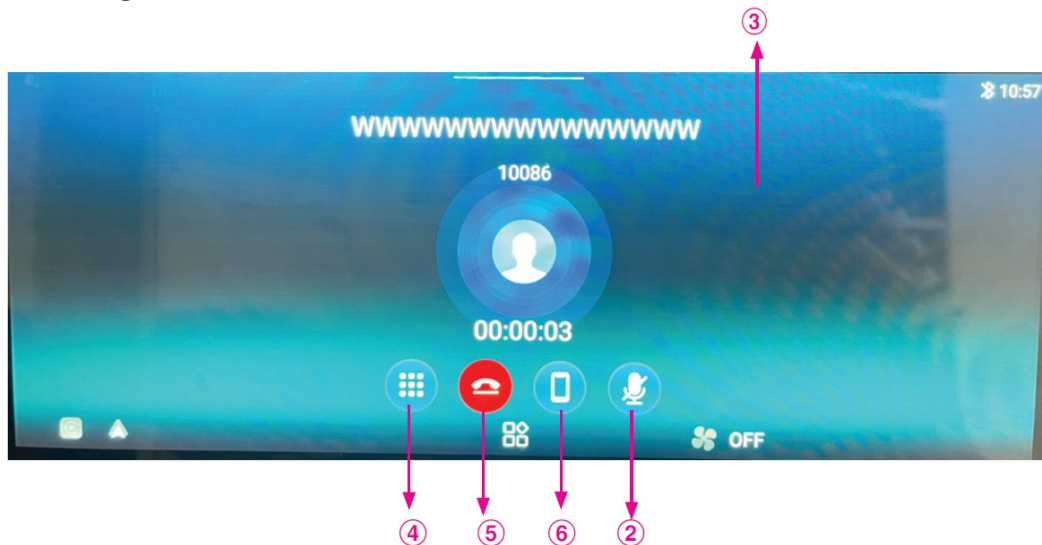
Bluetooth Telephone



Home Menu =>Telephone

- 1 Make a call using the dial pad
- 2 Make a call via contacts
- 3 Click to go to Bluetooth setting screen.

■ During call



- 1 Click to go to the keypad
- 2 Click to hangup the call
- 3 Click to switch to the private call mode.
- 4 Click to turn off the microphone

Using Apple CarPlay

■ Using Apple CarPlay

Using Apple CarPlay, you can use some of the functions of your iPhone, such as map navigation, making and receiving calls, sending or receiving messages, music playback or Siri functions.

■ Preparation on your iPhone

- 1 Make sure Siri is turned on.
- 2 If your iPhone is not detected by Apple CarPlay, make sure Apple CarPlay is not restricted. Go to Settings > Screen Time > Content & Privacy Restrictions, tap Allowed Apps, and make sure Apple CarPlay is enabled.

■ Connection

You can use Apple CarPlay via wired or wireless connection.

- Wired connection

Using the data cable that came with your iPhone, connect your iPhone to a USB port.

- Wireless connection

Wireless connection or data transmission can be achieved via Bluetooth and Wireless Local Area Network (WLAN). To connect wirelessly, Bluetooth and Wi-Fi switches on your iPhone need to be turned on.

Using Android Auto

Using Android Auto

When using the Android Auto connected system (Android Auto), you can use some functions of the Android smartphone, such as map navigation, making and receiving calls, sending or receiving text messages, music playback or voice functions.

- Compatible models: Android smartphones
- Compatible OS: Android OS 5.0 and above
- Compatible Bluetooth protocol: Hands-Free Profile (HFP)

■ Preparations on your Android smartphone before connecting

Download and install the Android Auto app from the Google Play Store using your Android smartphone.

■ Connection

Android Auto can be used via wired or wireless connection.

- Wired connection: Use the data cable that comes with your Android smartphone to connect it to the USB port of this unit.
- Wireless connection: The wireless connection and data transmission of the Android Auto system are achieved through Bluetooth and Wireless Local Area Network (WLAN), and the Bluetooth and Wireless Local Area Network switches on the mobile phone must be turned on.

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