

# User Manual

## Car audio receiver

### -V2105



#### RF Exposure statement:

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

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.

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.

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**For a better user experience of the radio, please allow us to remind you of 11 precautions before installation :**

- 1.If you don't have a circuit foundation, it is not recommended to install or wire yourself. You can find a professional electrician to help install and wire it.For different cars, according to the actual situation to install and fix the machine.
- 2.If the original connector of your car cannot match our radio, please use the two connectors we offer. One connector is for the power connection and the other is for the speaker connection.
- 3.Usually, a short circuit risk may be caused by an improper wiring connection. Given the safe problem, the car radio is equipped with a self-recovery insurance system. Under the protection of this self-recovery insurance system, the car radio will turn on only when the lines are connected correctly.
- 4.Please make sure that the yellow wire is connected to the positive pole of the car battery, so the power off memory function will be working!or your personal settings, such as radio stations favorites, clock settings and sound effect settings, will not be saved.
- 5.Please make sure that the red wire is connected to the car ACC switch instead of the car battery. In this way, the car and the radio can be turned off simultaneously. Otherwise the radio will be still on when the car is turned off, and continue to consume the power of the car battery, possibly leaving the car unable to restart.
- 6.Please make sure that lines for the speaker are connected correctly, otherwise improper connection will cause problems such as low volume or unstable sound quality.
- 7.For a stable radio reception, please make sure that the car's antenna is inserted on the radio. If the antenna of your car is not matched with our radio, please use the antenna we offer.
8. The bluetooth name of our radio is BT-V2105. If your phone can't connect with it, please forget your previous setting and search the BT-V2105 to connect again.
- 9.Please make sure that all the music files in the U disk or TF card can be read by the radio to avoid instability when playing the music.
- 10.Product working voltage: DC 12V, negative ground.
- 11.Maximum output power: 60W.

**After-sale Warranty**

We offer 2 years warranty for this Car audio receiver.

If the Car audio receiver has any defective problem or does not work well, please just feel free to contact us through amazon email channel or through email:

customerservice@masshot.com

we will try our best to find out the cause and offer you a satisfying solution.

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### Brief introduction to main functions of the machine:

- 1.Support Car play and Android Auto function through USB;
- 2.Support mirror link through USB;
- 3.FM/AM stereo radio,support for RBDS, able to store up to 30 broadcasting stations;
- 4.Have 2 USB interface,support 2.1A fast charging and read U disk to play music function at the same time;
- 5.Built-in 32-bit DSP with 16-band EQ balance and other different sound effects. Simultaneously has four stereo inputs and outputs;
- 6.HD display 1024\*600 pixels, high-quality capacitive touch screen, support multi-touch
- 7.Compatible with all cameras on the market.
- 8.Supports same-screen playback, can be connected to headrest video.
- 9.Come with a starlight night vision, waterproof function, 180 wide-angle fisheye camera.

### Specifiation

Working voltage:12V

Fuse:10A

Support speaker:4Ω

Maximum output power:4\*50W



1.MIC

2.Infrared sensors

For the remote control and steering wheel remote control

3.USB interface 1

Supports mobile phone mirroring, carplay and Android auto functions,also support fast charging and U disk reading.

4.Home Key

Back to main page

5.Power ON/OFF/Mute

Short press to turn on, long press to turn off;short press to mute

6.USB interface 2

Support fast charging and U disk reading.

7.AUX: 3.5mm jack

Click the "AUX IN" icon in the mind page, Insert your portable player into the slot, audio is sent through the car's speaker.

8.TF card connector

Insert the TF /SD/ MMC card into the slot,click the "SD" icon in the mind page.

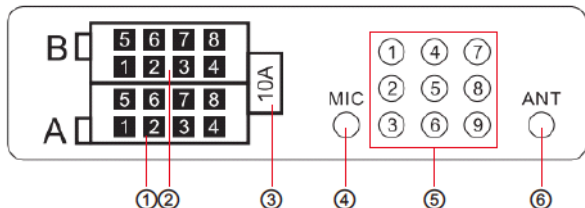
Supported music file format: Mp3,WMA

9.Reset

Restore factory settings.

10.Main screen

Capacitive touch screen, 1024\*600 pixels.



1.Power cord plug - A.

2.Speaker cable plug--B.

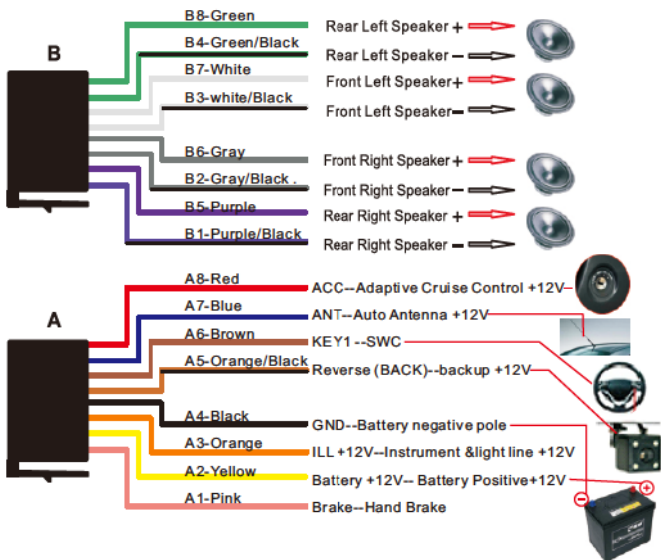
3.10A fuse.

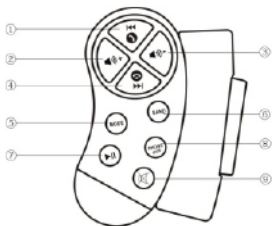
4.Microphone interface

5.Description of each socket connection function

- ① Subwoofer Output(Green)
- ② Front Right Rca Output(Red)
- ③ Front Left Rca Output(White)
- ④ Rear Camera Video Input(Yellow)
- ⑤ Audio Input Right CH(Red)
- ⑥ Audio Input Left CH(White)
- ⑦ Video Input(Yellow)
- ⑧ Front Camera Video Input(Yellow)
- ⑨ Video Output(Yellow)

### 6. Radio Antenna.





- 1.Previous song/answer the phone
- 2.Volume decrease
- 3.Volume increase
- 4.Next song/ ring off the phone
- 5.Mode (AUX- BT- TUNE)
- 6.BAND(Change radio channel)
- 7.Pause
- 8.Bluetooth mode
- 9.Mute

## Remote control installation steps



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## Products list

- 1.Car radio MP5\*1
- 2.Starlight night vision wide-angle fisheye camera\*1
- 3.Extranal Microphone\*1
- 4.Remote Control\*1
- 5.Mounting bracket set\*1
- 6.Antenna\*1
- 7.Machine power/speaker cord\*2
- 8.Camera DC power cord\*1
- 9.6M Video cable\*1
- 10.User Manual\*1



1.Car radio MP5\*1



2.Starlight night vision wide-angle  
fisheye camera\*1



3.Extranal Microphone\*1



4.Remote Control\*1



5.Mounting bracket set\*1



6.Antenna\*1



7.Machine power/speaker cord\*2



8.Camera DC power cord\*1

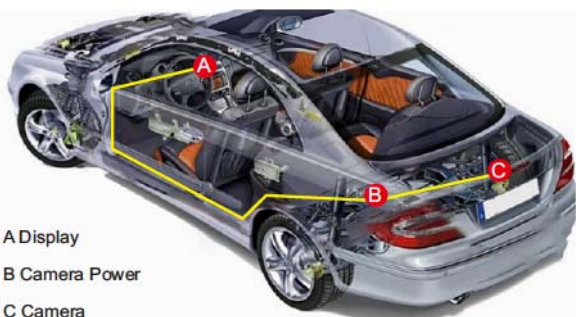
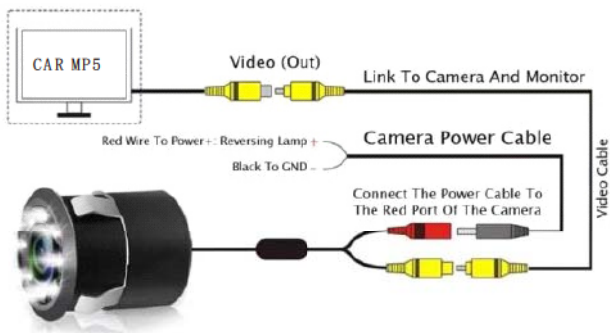


9.6M Video cable\*1

## Camera parameters

1. Rated working voltage: 12V DC
2. Waterproof level: IP67
3. Resolution: 1280\*720 TV Line
4. Camera lens: Three layers Fisheye super wide-angle lens
5. Camera angle: 180 degree wide angle
6. Starlight night vision

## Wiring method of camera





1.The red DC connector of the camera is connected to the power cord, the red wire of the power cord is connected to the positive pole of the reversing light, and the black wire is connected to the negative pole of the reversing light.

2.The yellow AV connector of the camera is connected to the video cable, and the other end of the video cable is connected to the numbered 4 "Rear Camera Video Input" interface of the radio Mp5.


## Radio Operation

When the unit connect with power, press POWER key button of the unit or the POWER key button of the remote control, the unit will turn on and enter into the radio interface. The radio interface is as shown below:




### Radio operation :


- : Press this icon to enter into the main interface
- : Volume icon: press to enter volume adjustment, touch and slide to adjust volume
- : Time display
- : Press this icon to switch the backlight mode (day, night, off screen) 4 mode
- : Return back icon (press to return back to main interface)


 : Short press this icon to browse radio stations, long press to search and save stations automatically


 : BAND switch ( switch FM1/FM2/FM3/AM1/AM2 )


 : ST stereo switch ( switch ST stereo and MONO mode )

 : Switch between LOC and DX (LOC: strong signal LOC: weak signal)


 : Short press to scan to the low end manually, long press to scan to the low end automatically

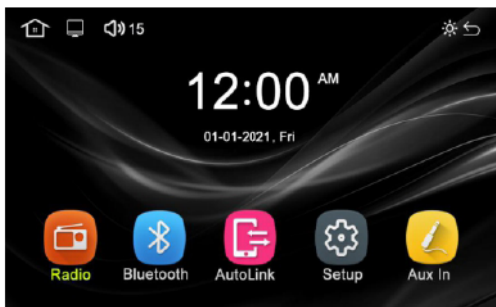
 : Short press to scan to high end manually, long press to scan to high end automatically

 : Radio progress bar: Press and slide to adjust radio stations at will

 : Press to select a station, long press to store your favorite station

## 4. Main interface

Press “” icon at any interface, it will return back to main interface, main interface as below :




( Image one )




(Image two)


Main interface operation as follow:


 : Time and date display, press to switch to two different display style.


 : Radio


 : Bluetooth


 : Phonelink ( Press to enter with choice : Android USB 、 Android WIFI and iPhone USB 、 iPhone WIFI mirrorlink and CARPLAY connecting )

 : Setting ( Enter into to set language, time, steering wheel control etc. )



 : External audio and video input ( **when** the audio and video input line is not connected, it will be blue screen )

 : SD ( If unit without SD card, when press this icon, it will display: No Device )

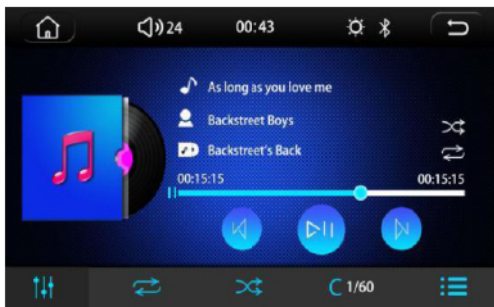
 : USB ( If unit without USB, when press this icon, it will display: No Device )

 : Rear view ( **when** the camera is not connected, it will be blue screen )











## SD or USB playback

Choose “” or “” icon in the main interface to enter into SD or USB playback function, support music, image, video.

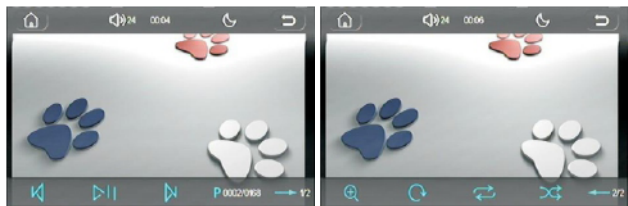
1. Music playback interface as follow :



The operation of the music interface is as follows:

-  : Switch to previous song
-  : When playing music, press once to pause the music, press again to resume playback
-  : Switch to next song
-  : Enter the speaker area and sound effect settings, after setting, press icon “” to return back to music playback
-  : Repeat playback (can choose: repeat one song, repeat all, repeat folder and close repeat)
-  : Shuffle Playback
-  : Folder selection, such as when there is a folder in SD or USB, click to enter the small keyboard to directly input the number to select the corresponding folder
-  : The song list of the current folder, swipe up and down to select a song
-  : Play progress bar, press and slide to adjust the play progress at will











2. Picture playback, the playback interface is as shown below :



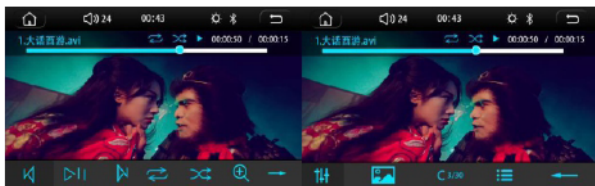
(Image one)

(Image two)

The picture playback interface operation is as follows :

-  : Switch to previous image
-  : When playing an image, press once to pause playback, press again to resume playback
-  : Switch to next image
-  : Select the picture by number, click to enter the small keyboard to directly input the number to select the corresponding picture
-  : Switch to 2/2 function interface
-  : Enlarge or zoom the image (magnification factor x2,x3,x4,x5 zoom factor: x1/2,x1/3,x1/4 )
-  : Rotate image
-  : Repeat playback (can choose: repeat one, repeat all, repeat folder and close repeat)
-  : Shuffle Playback
-  : Switch to 1/2 function interface













3. Video playback, the playback interface is as shown below :




(Image one)

(Image two)

Video playback interface operations are as follows :

-  : Switch to previous one
-  : When playing the video, press once to pause playback, press again to resume playback
-  : Switch to next one
-  : Repeat playback (can choose: repeat one, repeat all, repeat folder and close repeat)
-  : Shuffle Playback
-  : Enlarge or zoom(magnification factor x2,x3,x4,x5  
zoom factor: x1/2,x1/3,x1/4 )
-  : Switch to the next function page
-  : Enter sound settings
-  : Video color adjustment, enter to adjust brightness, contrast, etc.
-  : Folder selection, such as when there is a folder in SD or USB, click to enter the small keyboard to directly input the number to select the corresponding folder
-  : The video list of the current folder, swipe up and down to select a video
-  : Switch to the last function page

4. When playing music, pictures or videos, click the upper right corner icon “” The first time enter the list of music, pictures or videos. Click the second time to enter the folder selection, as shown below:



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The folder interface operation is as follows :

 : View music folder

 : View image folder


 : View video folder

## Bluetooth

Choose “” icon in the main interface to enter bluetooth Connection method: Turn on the Bluetooth of the mobile phone, search for the BT name "BT-V2105 " and click the BT name to pair, the host pairing is successful as shown below:



Warm reminder : If the Bluetooth of the mobile phone and the host cannot be successfully paired, please try the following solutions:

1. Turn off the bluetooth of the mobile phone and turn on the bluetooth again to pair, if it still fails to pair, please restart the mobile
  2. Press the RESET of the unit to clear the host memory
1. Press “” to enter BT calling interface, as shown below :



BT call dial interface operation is as follows :

 : Delete a single entered number

 : Entered dial display box

 : Delete all entered numbers

 : Number dial key

 : Dial key

2. Press “” to enter BT calling record as follows :





BT call log interface is as follows :

 : Received call history

 : Dialed call records

 : Rejected call history

 : Click to download call log

3. Press “” to enter into BT phonebook interface as shown below :



( image one )





( image two )



The operation of the Bluetooth phone book(image one) is as follows :

 : Download Bluetooth phone book


 : Delete the letters that have been entered

 : Already entered letter display box

 : Letter input key, enter letters to search for names

 : Click to collapse the alphabet search keypad, shown as “” means it has been put away, Click again to open, if the phone book has been downloaded, when the keypad is closed, it displays as image two


Warm reminder: You can search by name only after downloading the phone book

4. Press “” Enter the Bluetooth music playback interface, as shown below :



BT music interface operations are as follows :

 : Switch to previous song

 : When playing music, press once to pause the music, press again to resume playback

 : Switch to next song

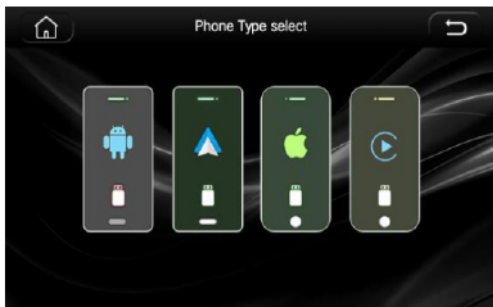


: BT music ID3 display

5. Press “” to view connected Bluetooth devices


## Mirrorlink

Select the main interface, press “” icon enters the mobile internet interface, as shown below :



Tips: 1. When all connection interfaces are not connected to the mobile phone, press the lower right corner icon “Exit” to exit phonelink

2. The rear USB is used as a portable Wifi signal receiver socket, all USB connections only support the front USB


1. Choose “” icon to enter Auto link Android USB connect (support dual control) as shown below :



(connecting method)

1. Connecting method as follow :

Auto link support Android phone link via USB data line

- ① When connecting for the first time, follow the instructions on your phone to download and install the APP.
- ② Connect the phone and unit via USB data line
- ③ The phone screen will be automatically mirrored to the unit
- ④ For more information, please refer to the help page, press “” icon to enter help page, as follow :



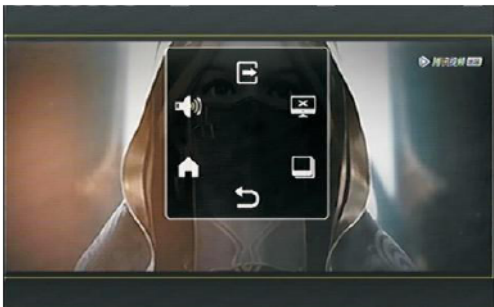
( help page )

## 2. Auto link-help :

- ① Please click the prompt box related to permissions
- ② Change the USB on the phone and reconnect the USB cable
- ③ If the APK installation fails, please scan the QR code to download and install the APK

### Warm reminder:

1. Some phones may not support
2. No sound while mirrorlink if without connecting to BT
3. If the unit mirroring cannot display the full screen, please try to adjust the resolution of your phone
4. If the mobile phone cannot be connected all the time, please try to restart the mobile phone or press "RESET" key of the unit to reset and reconnect
5. Auto link Android USB connection is successful, the unit will display the phone mirror, as shown below :



Auto link Android USB successful connection interface is as follows :



: Exit mirrorlink



: Sound adjustment



: Turn off screen display



: Enter the main interface of the phone



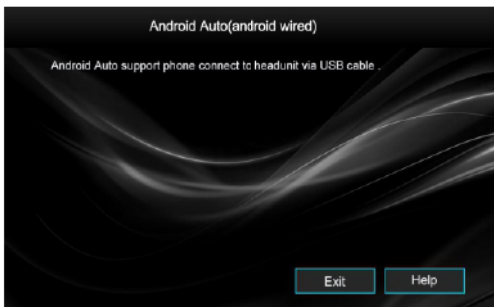
: Return to the upper level of the phone



: Force horizontal screen, some phones do not support




2. Choose “” icon to enter Android Auto connect (support two-way control), the display interface is as follows :




(connecting method)

1. Connecting method as follow :

Android Auto support the android Phone connect with the unit via USB

- ① When connecting for the first time, connect the phone to the unit via a USB data line, please click "Trust" on the phone
- ② the unit will automatically enter the carplay system, the APP in the phone will be shown in the screen.  
In the future, as long as the phone is plugged into the USB cable, it will directly enter the carplay function, no need to click again to enter this page
- ③ For more information, please refer to the help page , press "  " icon to enter into help page asfollow :




3. Choose "  " icon to enter into losmirror iPhone USB connection (support two-way control), the display interface is as shown below :



1. Connecting method as follow :

losmirror support iPhone connect with the unit via USB

- ①When connecting for the first time, connect the phone to the unit via a USB data line, please click "Trust" on the phone
- ②The phone screen will be automatically mirrored to the unit
- ③For more information, please refer to the help page , press "  " icon to enter into help page as follow :



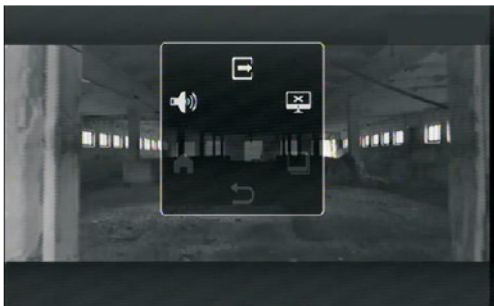
( Help page )

2. losmirror -Help







- ①Please click the prompt box related to permissions
- ②Change the USB on the phone and reconnect the USB cable

Reminder: :


- 1.The sound transmission is not affected when Bluetooth is not connected
- 2.When connected to Bluetooth, it supports two-way control (the phone can control the unit, also the unit can control the phone)
3. losmirror iPhone USB connection is successful , the unit will display the mirror image of the phone, as shown below :



losmirror iPhone USB successful connection interface is as follows :

-  : Exit mirrorlink
-  : Sound adjustment
-  : Turn off screen display
-  : losmirror iPhone USB not support this operation
-  : losmirror iPhone USB not support this operation
-  : losmirror iPhone USB



4. Choose “” icon to enter into Carplay connection (support two-way control) , the display interface is as follows:





3. Connecting method as follow :

Carplay support iPhone connect with the unit via USB

- ① When connecting for the first time, connect the phone to the unit via a USB data line, please click "Trust" on the phone
- ② the unit will automatically enter the carplay system, the APP in the iphone will be shown in the screen.

In the future, as long as the iPhone is plugged into the USB cable, it will directly enter the carplay function, no need to click again to enter this page.

- ③ For more information, please refer to the help page ,  
press "Help" icon to enter into help page as follow :



## Setting












Press "Settings" icon in the main interface to enter into setting

1. Choose settings interface "Settings" to enter system setting as follow :





The system settings list are as follows :

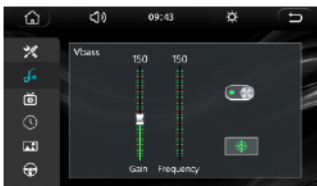
-  : Language setting: different languages can be selected according to personal needs
-  : Brake detection switch
-  : Key tone switch
-  : Key button light color settings (including: red, green, yellow, blue, rose red, cyan, white and automatic conversion)
-  : Reversing silent switch
-  : Automatic front view switch
-  : Screen settings (including: brightness setting and touch correction)
-  : Radio area settings: different radio areas can be set according to different regions
-  : Car logo setting: different car logos can be set according to different models
-  : About the unit (software version information)
-  : Reset

2. Choose settings interface “🎵” icon to enter the speaker area setting and sound effect setting, as shown below :



Press these six icon to set the sound effect you like! Each function as shown below:





3. Choose settings interface “” icon to enter video setting as follow :



The video settings list are as follows :


 : Video ratio setting, choose 4:3 or 16:9

 : Brightness setting

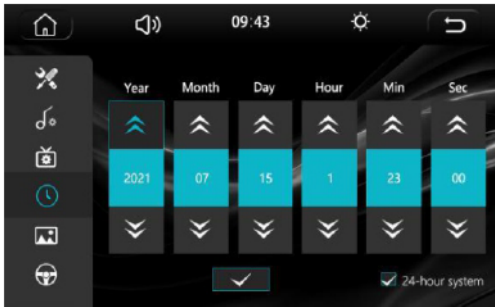
 : Contrast setting

 : Chroma setting

 : Saturation setting

 : Restore default settings

4. Choose settings interface “” icon to enter date and time setting as follow :



The date and time setting is as follows:

⬆️ : Adjust up

⬇️ : Adjust down

✅ : Save the adjusted date and time settings

24-hour system : 12-hour and 24-hour time system settings, tick “√” for 24-hour system

5. Choose settings interface “🖼️” icon to enter background image setting, 8 different styles of backgrounds to choose from, as shown below :




6. Choose settings interface “” to enter steering wheel control setting as follow :




The steering wheel control setting list is as follows :

Setting method: long press the steering wheel button, choose corresponding key button to select the prefer key button. When the color is gray, it means that the button learning is successful.

 : Save learned button

 : Clear all learned keys

 : The square in the lower right corner of the interface is the button voltage display area

 : Learning Tips Bar



 : Steering wheel control key button