Corehan

CS-JD-AACP-01 CS-JD-AACP-02

Double din car stereo for Apple Carplay & Android Auto

INSTRUCTION MANUAL

Corehan Technology Co., Limited

Take the time to read through this Instruction manual.

Familiarity with installation and operation procedures will help you obtain the best performance from your new car stereo.

⚠ **Please note that any artificial damaged due to the improper installation or operation without following the Corehan instruction manual is not in our warranty coverage.**

Technical Support

Contact our technical support team by mailing to **service02@corehan.shop**
or leave your questions or suggestions to **www.corehan.com** , our team will contact you within 24 hours

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CONNECTION / INSTALLATION

Extra accessories

Dash kit (if necessory)

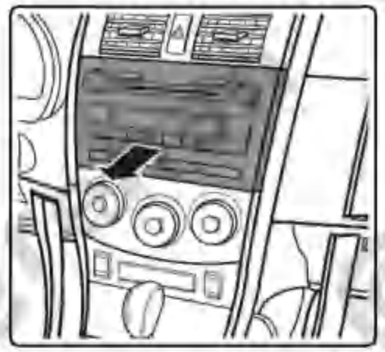


Fig.1

Fig.2

If the size of your vehicle factory radio is not double din size(7*4 inch), but larger than double din size or it is in irregular shape(Refer to Fig.1), the central console dash panel needs to be replaced for the installation of the double din stereo.

You can purchase aftermarket dash kit (Attach with mounting bracket) that is suitable for the model and production year of your vehicle from metraonline.com or your local Auto Zone. The aftermarket dash kit can cover the hole of the original factory radio and form a rectangular mounting port (refer to ① from Fig.2) for the installation of the double din stereo.

Aftermarket Harness

The male factory radio connector from vehicle central console will vary from different car makes and models.
The Corehan head unit is only equipped with one main harness. One end of the harness is connected to the head unit, and the other end of the harness are loose wires. Loose wires do not support to conect with the male factory radio connector. Customers need to purchase another aftermarket harness to connect with your car factory radio connector. Splice the loose wires of aftermarket harness and the lose wires of head unit harness together.
You can purchase after market that is suitable for the model and production year of your vehicle from metraonline.com or your local Auto Zone.

Note
Please refer to the Connection/Installation instructions (See page 4 to 5) when connecting the aftermarket harness to head unit harness to ensure the proper wires with same function are connected.

⚠ CAUTION

1. Failure to connecting the proper wires will result in either no sound, or defect unit (See page 4 to 5 made the correct wire conection).
2. It's recommended that the wires are soldered for the best and most secure connection.
3. Ensure good contact and insulation of the connected wires. Exposed metal parts will cause short circuit.
4. Please insulate the metal part of the unconnected wires to prevent short circuit.

Steering Wheel Control (if necessory)

Corehan head unit only supports and identifies analog steering wheel control(Hereinafter called the 'SWC') signals. Please confirm whether does your vehicle support analog SWC from car dealer.

If your vehicle is equipped with a car computer or does not support SWC analog signal output, you can find a SWC interface suitable for your car from metraonline.com or from the local Auto Zone, to solve this problem.**(Refer to page 16 to 17 about SWC installation)**

Note

- Most of the SWC interface comes a harness with a SWC ouput port of male 3.5mm connector (Refer to Fig.3), and a extra female 3.5mm connector(Refer to Fig.3) to connect to aftermarket head unit. Connect the two wires from the female 3.5mm adapter to the SWC wires from Corehan head unit harness.

Adaptor harness with male 3.5mm connector

female 3.5mm connector

Fig.3

- Ensure to connect the SWC ground wire (from SWC adaptor or from vehicle connecotr) to the ground wire.
- Before set the SWC buttons in head unit, please ensure the SWC interface programming successful. If the programming fail, the head unit can not recognize the SWC singal. (The failure means the interface failed to pair your car computer)

CONNECTION / INSTALLATION

Before install the unit

⚠ WARNING

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.

⚠ Precautions on installation and connection

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals. Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- **If the power is not turned on, the speaker wire may have a short circuit or have touched the chassis of the vehicle and the protection function may have been activated.Therefore, the speaker wire should be checked.**
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, **such as with battery wires, the battery may be drained.**
- If the fuse blows, first make sure the wires are not touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the wires or ground them to any metal part in the car. When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the connector of the left speaker to a front output terminal, do not connect the connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.

⚠ CAUTION

Install this unit in the console of your vehicle.
Do not touch the metal part of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.

⚠ CAUTION

The short cirsuit of speaker wire will burn the radio mainboard. Please check the wiring (See page 4 to 5) correct carefully before connect the car battery.
The problem of mainboard burnt by speaker wire short ciucuit is out of our warranty.

■ Installation procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the battery.
2. Make the proper wiring connection of after market harness and Corehan head unit harness.
3. Make the proper input and output wire connections for each unit(the GPS antena, wifi antenna, rear view camera etc.)
4. Connect the head unit RCA conectors to power amplifier. (If the vehicle installed a power amplifier)
5. Connect the spliced harness(aftermarket harness and head unit harness) to the head unit and vehicle connctors.
6. Install the unit in your vehicle.
   - Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).
7. Reconnect the battery.
8. Turn the vehicle on.

CONNECTION / INSTALLATION

Installation video tutorial

It is recommended that customers should watch our installation video tutorial before the head unit installation. The video will give you a more visual guide on how to properly install the head unit in your vehicle.

Please visit the our official website
www.corehan.com
or visit following URL
http://bit.ly/corehan-video-um

You also can scan the QR code to watch the installation video tutorial directly.

Installing the unit

Installaing the mounting bracket and dash kit

The Corehan head unit does not come with mounting brackets.
If the factory radio is double din and the Corehan head unit can be directly installed on your car, please install the original mounting bracket removed from the car.
If your vehicle needs to replace the aftermarket dash kit before installing the Corehan head unit, use the bracket from the aftermarket dash kit that contains brackets suitable for your vehicle.

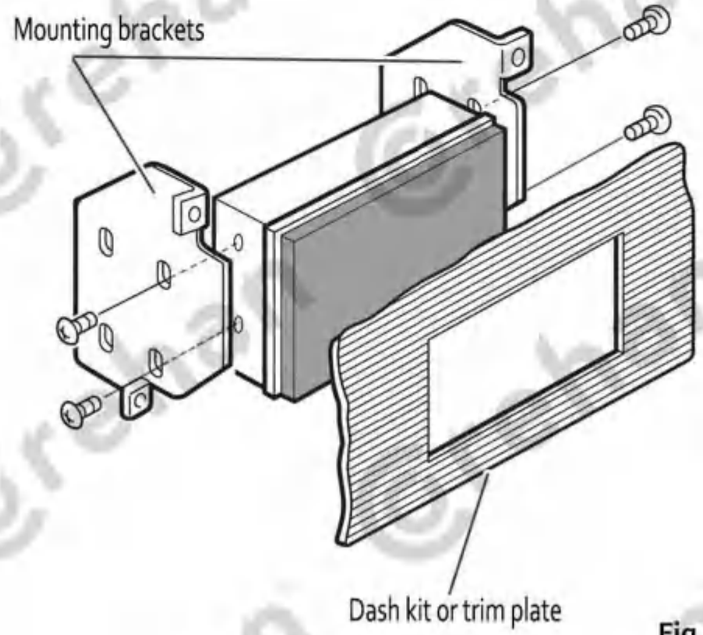


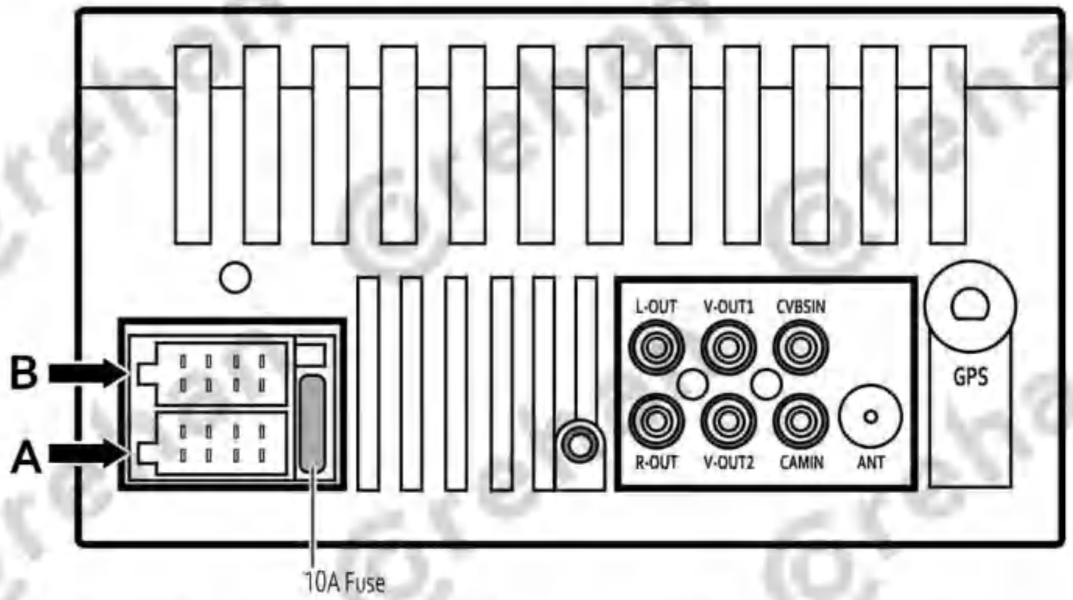
Fig.4

CONNECTION / INSTALLATION

Connection

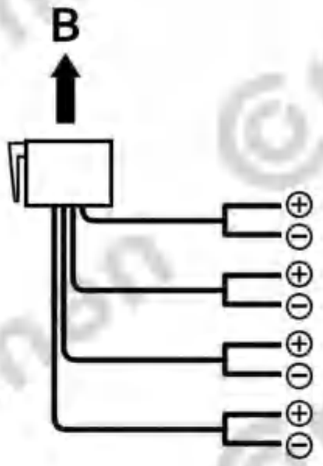
Connecting wires to terminals

Connect stereo harnes wires to aftermaket harenss. **Corehan recommends that the wires are soldered for the best and most secure connection.**



① If no connections are made, do not let the cable terminal expose and keep it insulated.

> **⚠ NOTE**
> - Before replace the car battery or fuse box, unplug the stereo harness. Or the stereo would be burned.
> - Make sure the ACC wire and Battery wire connecting in the right position. Or the car battery would be drained.

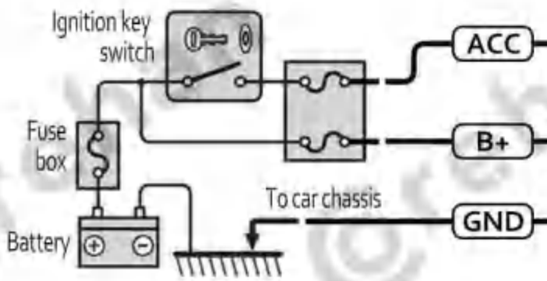


White ⊕ / White with Black stripe ⊖ : To front speaker (left)

Gray ⊕ / Gray with Black stripe ⊖ : To front speaker (right)

Green ⊕ / Green with Black stripe ⊖ : To rear speaker (left)

Purple ⊕ / Purple with Black stripe ⊖ : To rear speaker (right)



ACC — **Red** (Accessory power control / ignition wire)

B+ — **Yellow** (Constant power / Battery wire)

GND — **Black** (Ground wire)

① — **Pink** (handbrake detecting wire) — BRAKE
Connect to the vehicle's hand brake detecting wire, to enable or disable the forbidden of watching video in driving

Brown (Reverse sensor wire) — BACK
Connect to the vehicle's reverse lamp harness when using the optional rear view camera.

Blue (Amplifier power control wire) — AMP-CON
This wire is using for amplifier power control. Connect this wire to the power terminal for the booster amplifier of the film-type antenna. (Max. 300 mA, 12 V)

Orange (Illumination detecting wire) — ILL
To car light (head light) control switch.

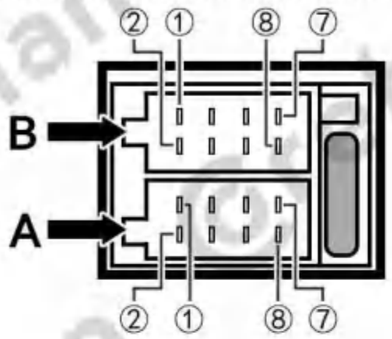
Orange with **Black** stripe (Steering wheel control wire **K1**) — STEERING WHEEL REMOTE INPUT KEY1
To use the steering wheel remote control feature.
- The vehicle does not have a car computer and ouput analog SWC singal, connect to these two wires (or one of wire) with vehicle SWC wires.
- The vehicle has a car computer, an exclusive remote adapter (not supplied) matching your car is required.

(Refer to page 16 to 17 for SWC installation)

CONNECTION / INSTALLATION

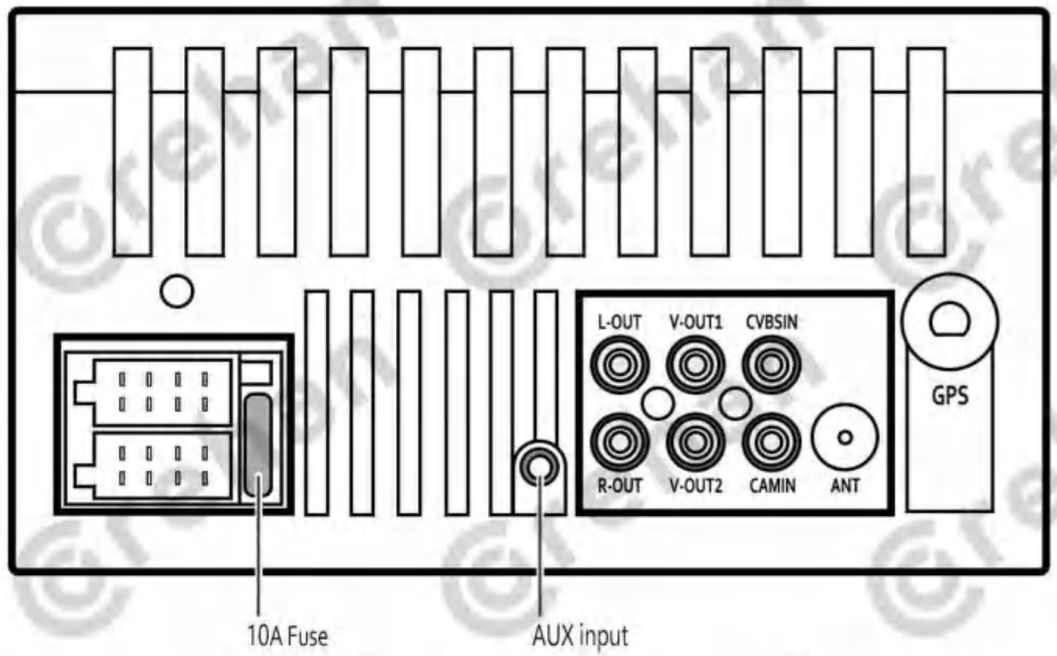
Connection

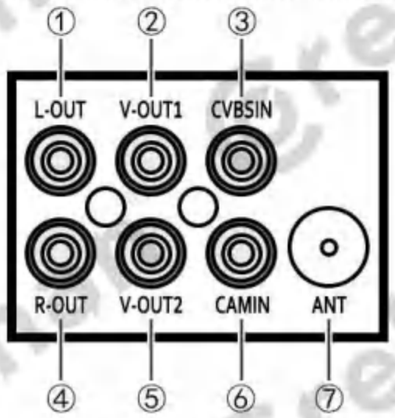
Connecting external components



A1. Backup camera detection (BACK)
A2. Brake detection (BRAKE)
A3. SWC Key1 (KEY1)
A4. Barrtery+ (B+)
A5. Amplifier power control (AMP-CON)
A6. Headlight detection (ILL)
A7. ACC Accessory power (ACC)
A8. Ground (GND)

B1. Right Rear+
B2. Right Rear-
B3. Right Front+
B4. Right Front-
B5. Left Front+
B6. Left Front-
B7. Left Rear+
B8. Left Rear-



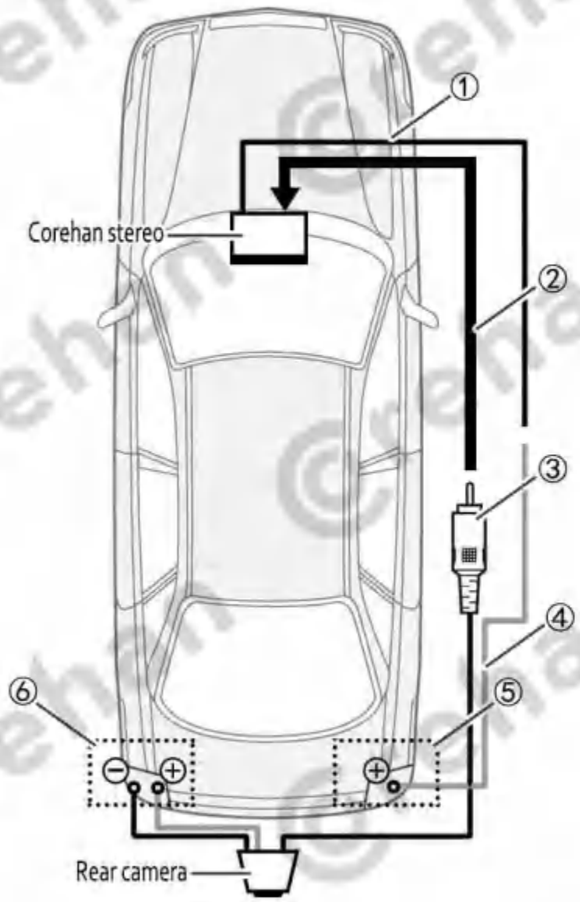


1. Left Audio Output
2. Video Output 1
3. Video Input
4. Right Audio Output
5. Video Ouput 2
6. Reverse Camera Video Input
7. Radio antenna

CONNECTION / INSTALLATION

Rear camera installation (optional)

Corehan stereo supporta to work with aftermarket rear camera and factory rear camera.
Please refer to under picture to wiring the rear camera.



① **Brown color wire (BACK-CAR)** from head unit harness.
② To RCA **port CAMIN(CAMERA IN)** from back of the head unit (refer to Fig5).

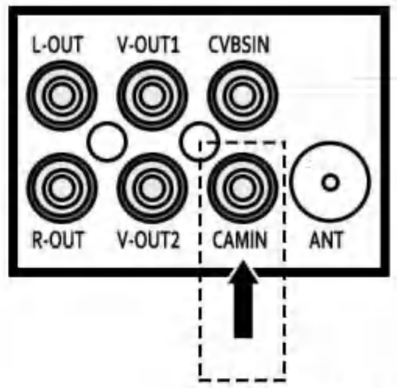
③ **Rear camera video output cable**
Plug this cable with ②.
④ **Trigger wire (Red color)**
- This wire always attaches with rear camera video output cable (③). If your rear camera does not have this wire, use a electric wire instead.

Conect one of the terminal of trigger wire to ①, and the other terminal to ⑤.
⑤ **Positive terminal of backup light**
Connect the trigger wire ④ with the positive terminal of backup light.
⑥ **Positive and negative terminals of backup light**
Connect the power supply wires of rear camera to the positive and negative terminals of backup light.

If wiring the stereo to factory rear camera, confirm to plug ② with rear camera video input connector and connect ① to the backup light detecting wire.

⚠ NOTE

- DO NOT miss to connect ④ to the positive terminal of brake light or other lights. Ensure connecting to the backup light.
- DO NOT miss to connect the rear camera video output cable with stereo VIDEO IN conector. Ensure connecting to the CAMERA IN connector.



Connect the Rear camera video input connector to this port

Fig.5

BEFORE USE

⚠ WARNING: (To prevent accidents and damage)

- DO NOT install any unit or wire any cable in a location where;
  - it may obstruct the steering wheel and gearshift lever operations.
  - it may obstruct the operation of safety devices such as air bags.
  - it may obstruct visibility.
- DO NOT operate the unit while driving.
  If you need to operate the unit while driving, be sure to look around carefully.
- The driver must not watch the monitor while driving.

⚠ Cautions on the monitor:

- The monitor built into this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not considered defective.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with a sharp tip.
  Touch the buttons on the touch panel with your finger directly (if you are wearing a glove, take it off).
- When the temperature is very cold or very hot...
  - Chemical changes occur inside, causing malfunction.
  - Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

For safety...

- Do not raise the volume level too much, as this will make driving dangerous by blocking outside sounds, and may cause hearing loss.
- Stop the car before performing any complicated operations.

Temperature inside the car...

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

How to read the operation manual:

- < > indicates the various apps/screens/menus/operations/settings that appear on the touch panel.
- [ ] indicates the buttons on the touch panel.

BASICS

Component names and functions

① Internal microphone
② ON/OFF button
- Short press to Mute mode
- Long press to off screen

③ Volume up button
④ Volume down button
⑤ Micro SD card slot
- Support up to 64GB micro SD card
- Insert the micro SD card with the gold contacts facing away from screen side of unit

⑥ AUX port
⑦ Reset button
- Reset the unit.(See page 10)

⑧ Front USB port
- USB drive(up to 64GB)/OTG devices

⑨ Screen(Touch panel)

* The backlight color of side buttons can not be changed

⚠ CAUTION

Digital devices produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.

CARPLAY & ANDROID AUTO

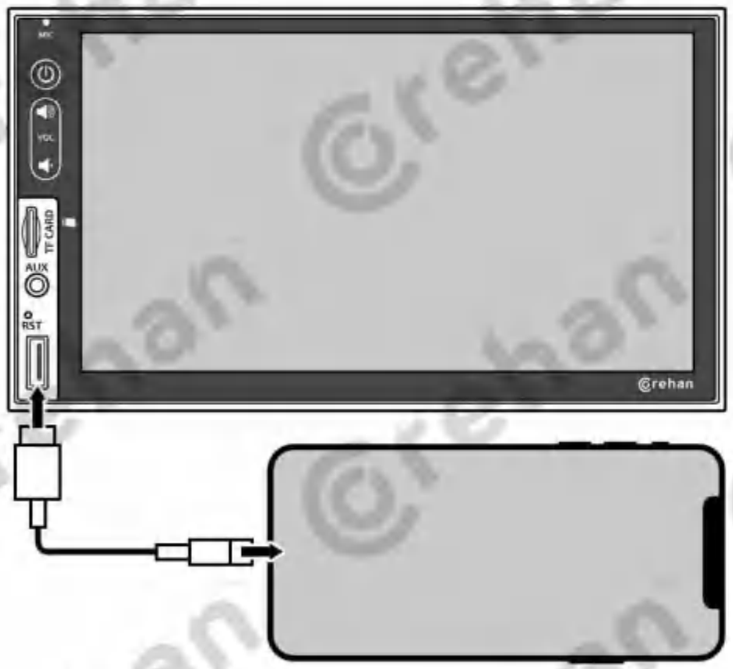
Switch to connection mode Carplay / Android Auto

Before connect your phone to head unit, select to connection mode to Carplay/Android Auto.

Enter to Settings - Mobile phone automatic - select the option **[Auto Play]**.

Carplay connection

1. Connect iPhone to head unit by certified iPhone cable.



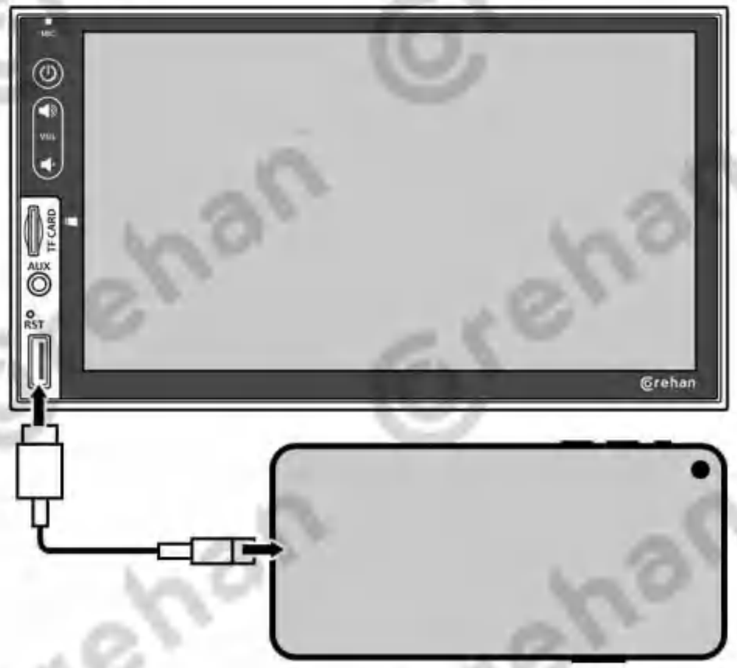
2. The head unit will pair iPhone and enter Carplay mode.

Android auto connection

1. Before connect the Android phone to head unit, install the Android auto apk in your phone system from Google Play Store.

2. Enable **USB debugging** settings in the Android phone.
(For most of the Android device, the USB debugging setting is in Developer options that is hidden in Settings. To display the Developer options, enter Settings - System - About phone - Builder number, make 5 time continual clicks to open the developer options.
However, there still could be a different way to enable the developer options in some phone models. You can check the way from google.com)

3. Connect Android phone to head unit by Data transmission cable. The head unit will pair Android phone and enter Android Auto mode.



PHONE MIRROR-LINK

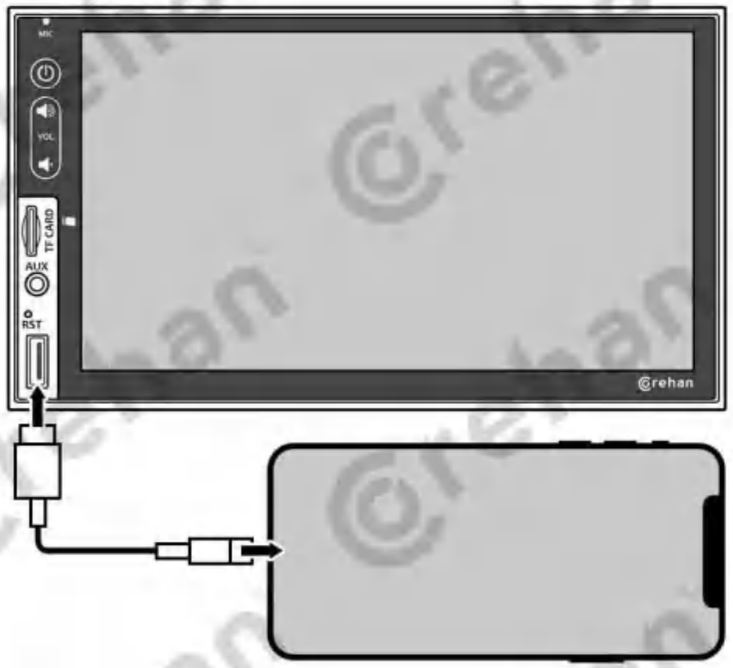
Switch to connection mode Phone Mirror-link

Before connect your phone to head unit, select to connection mode to Carplay/Android Auto.

Enter to Settings - Mobile phone automatic - select the option **[A-link]**.

iPhone connection

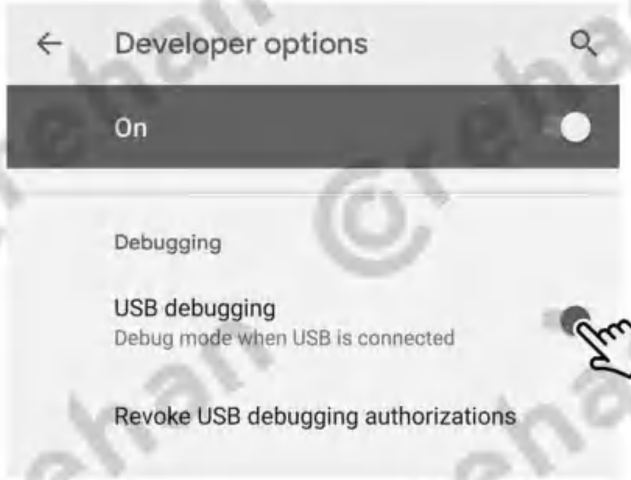
1. Connect iPhone to head unit by certified iPhone cable.



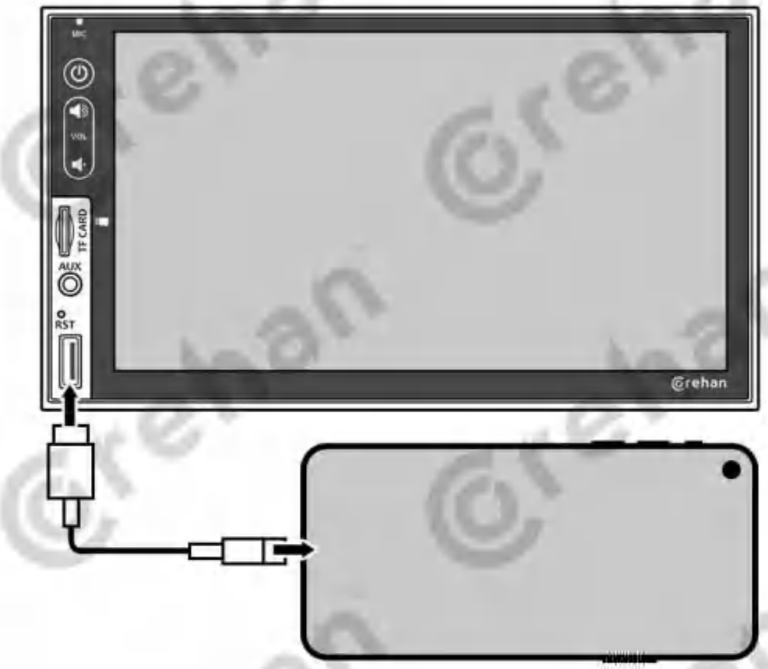
2. The head unit will mirror-link and display iPhone screen.

Android phone connection

1. Enable **USB debugging** settings in the Android phone.
(For most of the Android device, the USB debugging setting is in Developer options that is hidden in Settings. To display the Developer options, enter Settings - System - About phone - Builder number, make 5 time continual clicks to open the developer options.
However, there still could be a different way to enable the developer options in some phone models. You can check the way from google.com)



3. Connect Android phone to head unit by Data transmission cable. The connection will take about 1 to 2 mins.
The head unit will install a mirror-link app in phone system to mirror-link the phone.



RADIO TUNER

Listening to the radio

Enter the app **<Radio>** to listen the radio

Indications and buttons on the source control screen

① The station frequency currently tuned in
② Accurately adjust station frequency higher
③ Accurately adjust station frequency lower
④ Presetting stations bar
There are 6 pre-set stations for each band.
⑤ Operation buttons

Operation buttons

[ ] Auto search stations
Auto searches the stations with strongest signals and stors the stations in **Presetting stations bar** automatically.
The automatic search will not stop until to the end of the **Station frequency**.

[ ] Sation scan

[ ][ ] Auto searchs the nearest station from the **station frequency currenctly tuned in**

[ ] Select the brand
FM1→FM2→FM3→AM1→AM2

[ ] Dxing receiving
Switch to receive the distant radio

[ ] Unavailble

Presetting stations

Storage stations in the memory

You can preset 6 stations for each band.

Automatic presetting

1. Press the key [ ] to start the automatic searching.

2. Local stations with the strongest are found and stored in **Presetting stations** bar automatically.

The searching procedure will stop to the end of **Station frequency selection bar** or be stopped by press the key again.

* Every time you press the key **[AS]** all the presetting stations under the band would be presetted.

Manual presetting

1. Tune in to a station you want to preset.
2. Select the preset container and have a long press (over 2 seconds) to store the station.

MUSIC & VIDEO PLAYER

Note
The video player only can be available when detect the video files from MicroSD card or USB drive.
When head unit detects a MicroSD card is inserted or a USB drive is pluged in, the MicroSD card or USB drive icon would be displayed on the status bar.

When plug in a USB drive or insert a microSD card, the system will enter the **Explorer** automatically. You can select the music, video or pictures to play.

Please note that except the pictures, music, video files , the other files can not be displayed in the **Explorer**.

Video player

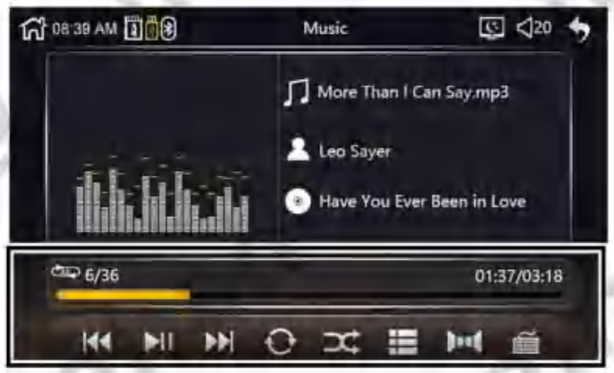
Indications and buttons on the source control screen

Operation buttons

[ ] Back to Home screen
[ ] Display video scaling
[ ] Output channel selection
[ ] Play back mode for video
[ ] Skip to the next track/chapter
[ ] Pause/Play
[ ] Skip to the previous track/chapter
[ ] Unavailable

Music player

Indications and buttons on the source control screen



Operation buttons

[ ] Input the song number to select the song
[ ] Output channel selection
[ ] Switch to display song list or song information
[ ] Play back mode
[ ] Play back mode2
[ ] Skip to the next song
[ ] Pause/Play
[ ] Skip to the previous song

MUSIC & VIDEO PLAYER

Photo preview

Indications and buttons on the source control screen

Operation buttons

[ ] Picture rotation
[ ] Zoom out
[ ] Zoom in
[ ] Picture transition effort
[ ] Skip to the next picture
[ ] Pause/Start to display picture gallery
[ ] Skip to the previous picture

BLUETOOTH

Information for using Bluetooth® devices

Notes

- While driving, do not perform complicated operations such as dialing numbers, using the phonebook, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not connect to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- For some Bluetooth devices, the device is disconnected when the unit is turned off.

Connecting Bluetooth devices

Pairing a new Bluetooth device

When you connect a Bluetooth device to the unit for the first time, pair the unit and the device. Pairing allows Bluetooth devices to communicate with each other.

- Once the connection is established, it is registered in the unit even if you reset the unit.
- Only one device for Bluetooth phone and one for Bluetooth audio can be connected at a time.
- To use the Bluetooth function, you need to turn on the Bluetooth function of the device.
- To use the registered device, you need to connect the device to the unit.

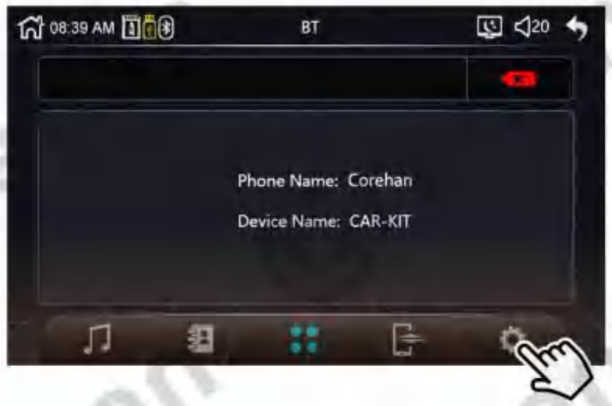
1. Turn on the bluetooth function on your smartphone(In some smartphones need to enable the feature of "Visible to all nearby bluetooth devices" to be searched by the unit bluetooth) or other bluetooth device.
From the Pair New Device list, searh the unit named CAR-BT(83A).
Select and pair the head unit, no password-input needed.

2. When head unit paired a phone successfully, there is an Bluetooth icon displays on status bar. TheBluetooth icon would be disappeared when Bluetooth unpaired.
Then enter **<Bluetooth>** app by clicking the BT buttons.

BLUETOOTH

Check the paired device

When the head unit paired to your phone, you can check the paired device information from the Settings.



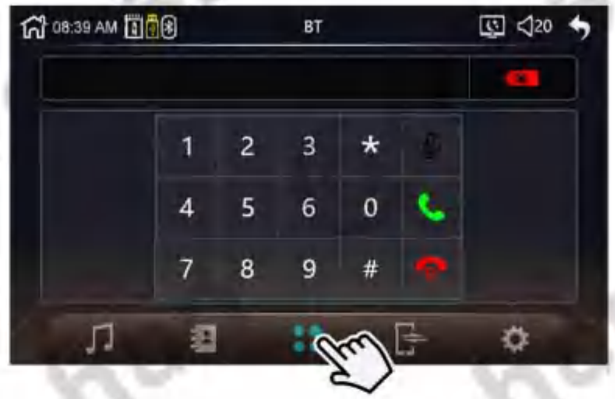
Connect or disconnect the Bluetooth connection

Press the button below to re-connect or disconnect the Bluetooth connection with the paired device.

Using the Bluetooth mobile phone

Making a call

Enter the **<Bluetooth>** app, and press the button below to take dial a phone call.



[ ] Mute
[ ] Dail a phone call
[ ] Hang up a phone call

Phone book

Enter the **<Bluetooth>** app, and press the button below to the phone book.

[ ] Take a call to the selected phone numbers
[ ] Dialled car history
[ ] Recieved call history
[ ] Hang-up call history
[ ] synchronize contacts from the paired phone

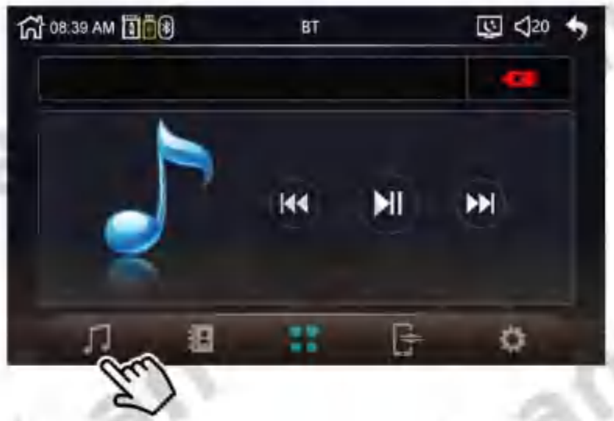
Note

If the head unit fail to download the phone book, please enable the Contact sharing settings in mobile phone, then download the phone book again.

BLUETOOTH

Using the Bluetooth audio player

Indications and buttons on the source control screen



Operation buttons

[▶II] Starts or Pauses playback
[⏮] Skip to the start or previous track
[⏭] Skip to the end or next track

SETTINGS

General settings

① Page up
② Page down

<Mobile phone automatic>
Enable or disable the settings of entering Android auto or Carplay when connecting a phone. Recommend to take the settings of Auto Play

<Auto play rudder>
Set the navigation bar on left or right

<Parking video Disp>
Enable or disable the settings of forbidden of watching video in driving

<Camera mirror>
Reverse the image from Backup camera

<Radio region>
Set the radio region

<BT auto connect>
Enable or disable the Bluetooth automatic connection with smartphone

<BT auto answer>
Enable or disable the settins of receive a phone call automatically

<Key light>
Set the color of side buttons

<Reversing mute>
The sound setting of being mute or not in Reverse gear

<Delay exit reverse>
Set the time of staying in backup camera display after switching out of reverse gear

<Reverse giude>
Enable or disable the backup camera grid lines

<Restore default>
Restore the head unit system to be default settings

Time settings

Set the time of the head unit

SETTINGS

① Set the year of time
② Set the month of time
③ Set the date of time
④ Set the hour of time
⑤ Set the minute of time
⑥ Set the time format to 24-hour or 12-hour

Operation buttons

[OK] Confirm the time settings
[Reset] Reset the time settings

Language settings

Set the language of the head unit

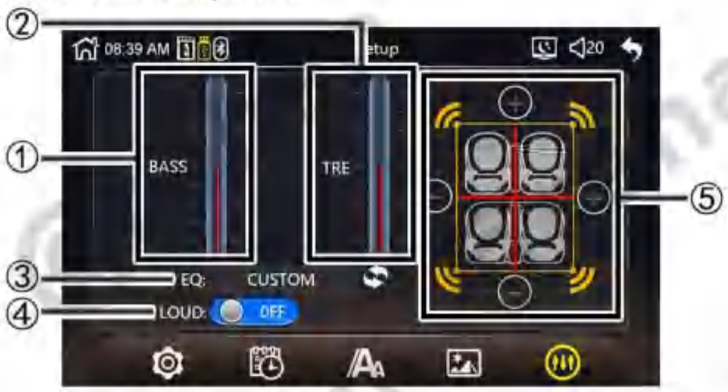
Wallpaper settings

Set the wallpaper in Main screen.

Note
The system does not support to use the other pictures to be the wallpaper.

Equaizer settings

Set the sound equaizer



① Bass volume
② TRE volume
③ Pre-set EQ settings
④ Enable or disable the loud mode
⑤ Reverb zon settings

Steering wheel control settings

The steering wheel control setting procedure applies to both situations of installing a SWC interface or without installing SWC interface in the vehicle. (Refer to page 1 of SWC installation instruction)

NOTE
If your vehicle installed a SWC interface, please ensure the SWC interface programming successful before starting under procedure.
If the programming fail, the head unit can not recognize the SWC singal. (The failure means the interface failed to pair your car computer)

1. Click the function key you want to program (For example the key **[VOL+]**). The key turns to yellow.

2. Press the button to be programmed from steering wheel.

3. Click the **[V]** to confirm the settings of the button. Set the other buttons with the same procedure.

4. If one of the feature you want to change to other button, select the feature and click **[×]** to remove the button setting.

① Set the resistance of SWC detection

SETTINGS

Display settings

Set the screen display settings

① Adjust the screen Brightness
② Adjust the screen contract
③ Adjust the screen Saturation
④ Adjust the screen Hue

Display settings

Check the system information settings

TROUBLE SHOOTINGS

Frequently asked questions

- **The Corehan head unit is not suitable to be installed in my vehicle dash. What should I do?**
- **Why hasn't the head unit switched on after the power is turned on?**
- **Why did the car battery drain the next day after installing the head unit?**
- **Why is there no sound output after installing the head unit?**
- **Why can't the Steering Wheel Control worked normally?**
- **Why is the pre-setting information (radio stations, time etc.) lost after each drive?**
- **Why can't the backlight of the side buttons be lit?**
- **After the rear camera is installed, when switching to reverse gear, why does the stereo not have the rearview image (only black screen)?**
- **After the rear camera is installed, why does the stereo not switch to rearview image mode when switching to reverse gear?**
- **How can we remove the restrictions of watching video while in driving?**
- **Why did my Android phone can not active the Android auto in head unit?**
- **Why can't phone book be synchronized to the head unit?**
- **How can we reverse the rear view camera image? How can we add the grid lines for rear vide camera image?**

Answers

The Corehan head unit is not suitable to be installed in my vehicle dash. What should I do?

Refer to Fig.6 and Fig.7 below. If the size of your vehicle factory radio is not double din size(7*4 inch), but larger than double din size or it is in irregular shape, the central console dash panel needs to be replaced for the installation of the double din stereo in the next step.

Fig.6

Fig.7

You can purchase aftermarket dash kit that is suitable for the model and production year of your vehicle from metraonline.com or your local Auto Zone. The aftermarket dash kit can cover the hole of the original factory radio and form a rectangular mounting port (refer to ① from Fig.7) for the installation of the double din stereo.

About mounting bracket

The Corehan head unit does not come with installation brackets.
If the factory radio is double din and the Corehan head unit can be directly installed in your car, please install the original car bracket on the Corehan head unit directly.
If your vehicle needs to replace the aftermarket dash kit before installing the Corehan head unit, use the bracket from the aftermarket dash kit that contains brackets suitable for your vehicle.

TROUBLE SHOOTINGS

- **Why hasn't the head unit switched on after the power is turned on?**

All Corehan head unit underwent a power-on test before being delivered. If the machine does not start after the power supply is installed, please disconnect the the car bettery immediately and carefully check the wiring accroding under instruction:

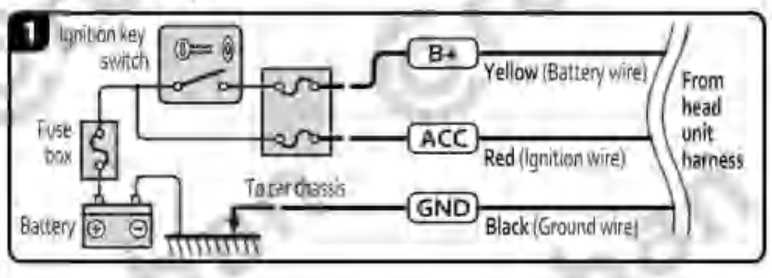
1. Check whether the voltage of the car battery is lower than 11V. If the voltage is lower than 11V, the head unit cannot be started.
2. Check whether B+ wire (Yellow wire from head unit harnes) is connected to the positive pole of the car battery, ACC wire (Red wire from head unit harness) is connected to the key ignition wire, and GND (Black wire from head unit harness) is connected to Ground wire or car chassis. (See page 4)
3. In addition, whether are the fuse burnt?(The fuse places under the head unit harness port) If fuse burnt or bad contact, the head unit can not be turned on.
4. Please carefully check whether the connection of the ACC wire is loose or bad contact? Poor connection or ACC can also cause the machine to occasionally fail to start.
5. The speaker wire may have a short circuit or have touched the chassis of the vehicle and the protection function may have been activated.Therefore, the speaker wire should be checked.

Note
The short cirsuit of speaker wire will burn the radio mainboard. Please check the wiring (See page 4) correct carefully before connect the car battery.
⚠ The problem of mainboard burnt by speaker wire short ciucuit is out of our warranty.

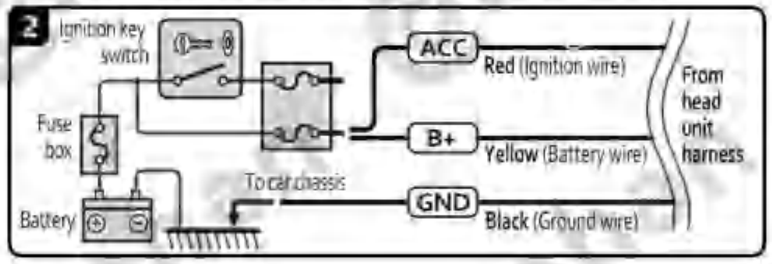
- **Why did the car battery drain the next day after installing the head unit?**

If the ACC wire (Red) and B+ (Yellow) wire on the harnes of the haed unit are connected incorrectly, the car battery will be drained. The following two situations will cause the battery to lose power.

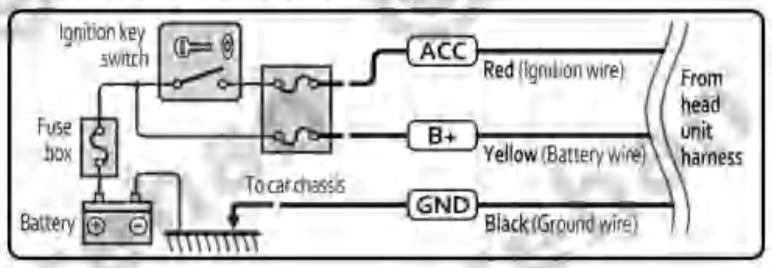
1. ACC wire (Red) and B+ (Yellow) are connectting inversely.



2. ACC wire (Red) and B+ (Yellow) are connectting together to the Constant power terminal.



Please rectify the wiring connection corectly according to the under Figure.



- **Why is there no sound output after installing the head unit?**

No electronic power amplifier

Please check that the positive and negative poles of the 8 connection wires of speakers on the main harness of the head unit are correctly connected.

If you have adaptors installed on your car, for some adaptors, you need to connect 8 wires of speakers with adaptors before sending audio signals to the car speakers. However, we recommend that 8 wires of speakers on the harness be directly connected to the car speakers by skipping the adaptors.

With electronic power amplifier

Please check the Blue with White stripe wire (AMP - CON) on the main harnes of the head unit, to ensure that this wire is connected to the power supply control wire of the power amplifier, so that the power amplifier is on workding normally.

- **Why can't the Steering Wheel Control worked normally?**

Please confirm whether your vehicle supports analog steering wheel control (Hereinafter called the 'SWC') signal output first.
Corehan head unit only supports and identifies analog SWC signals. If your vehicle is equipped with a car computer or does not support SWC analog signal output, you can find a SWC interface suitable for your car from metraonline.com or from the local Auto Zone, or contact our technical support.

Vehicle supports SWC analog signal output

Generally, there are 3 or 2 SWC terminals from car conector in most of the car models.

1. Use a multimeter, switch to resistance mode range 1k - 10k, detect each SWC terminal from

TROUBLE SHOOTINGS

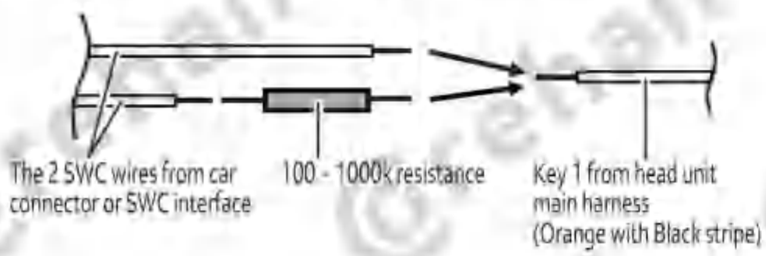
car connector. The terminal that can detect a resistance when press the button on steering wheel is the SWC terminal(would have 1 or 2 terminals), the other is SWC ground(would have one or none).

2. Connect SWC terminal to (if there are two terminal, parallel connect to) Key 1 SWC wire from head unit harness, and connect the SWC ground to the Ground wire from head unit harness.
3. Set each button in SWC app of the system.

Vehcile doesn't support SWC analog signal output

Please purchase the appropriate SWC interface (from metraonlie.com or from local Auto Zone). Cut the 3.5mm male connecters from interface to find 2 SWC wires inside, or plug the 3.5 mm female connector (Refer to figure below).. to the 3.5mm connector and get the 2 SWC wires.
Then connect the 2 SWC wires to the head unit SWC wire by 3 steps below.

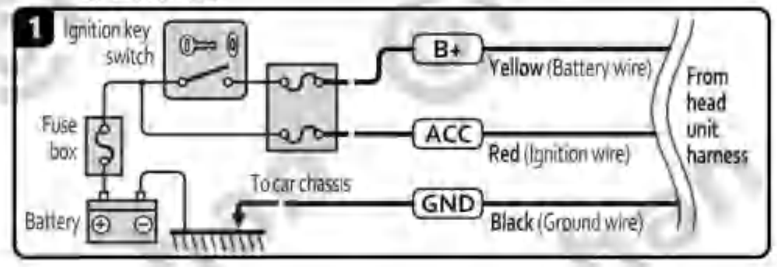
NOTE
After program the buttons in SWC app, if you find two of the buttons from steering wheel have the same feature(even you set different in the app), can try to fix the problem by series connecting a 100 to 1000k resistance to one of the SWC wires from car connector. Refer to the picture below.



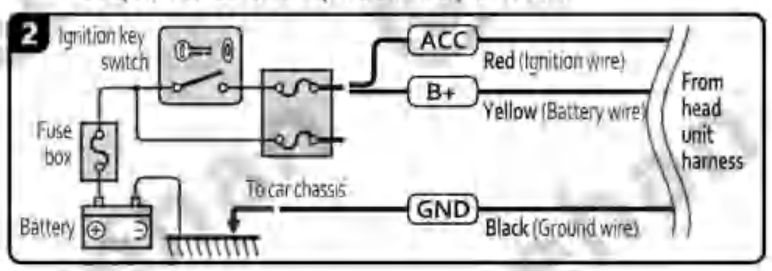
- **Why is the pre-setting information (radio stations, time etc.) lose after each drive?**

As shown in Figure below, if the B+ wire (Yelow) on the main harness of the head unit is connected incorrectly, the pre-stored data will lose after the vehicle is shut down for a period of time (more than half an hour).

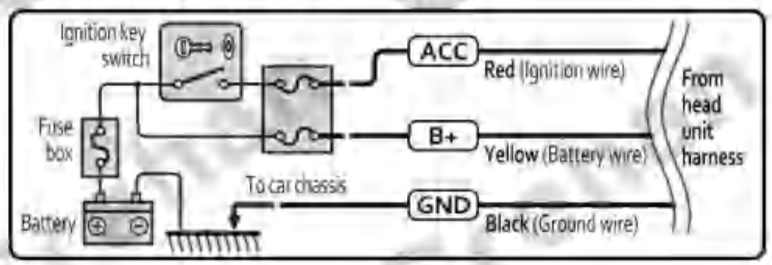
1. ACC wire (Red) and B+ (Yellow) are connectting inverselv.



2. B+ (Yellow) are connectting with ACC (Red) together to the Ignition key switch.



Please rectify the wiring connection corectly according to the under Figure.



- **Why can't the backlight of the side buttons be lit?**

Please check the connection of the main harness of the head unit. Please ensure that the Orange wire (ILL) is connected to the headlight detection wire of the vehicle.
When the head unit detects that the car headlights are turned on, it will automatically turn on the backlight of the key.
Or you can connect the Orange wire (ILL) to the ACC wire (Red), so the backlight of the key of the head unit will remain turn on every time the vehicle starts.

- **After the rear camera is installed, when switching to reverse gear, why does the stereo not have the rearview image (only black screen)?**

Please check and confirm that the CAMERA IN RCA connector on the main harness of the head unit is connected to the rearview camera image output connection connector.
If it has been confirmed that the connector is connected correctly but there is still no image, please check whether the rearview camera is working normally, or whether the image output cable of the camera is damaged or defect?

Note
Please DO NOT connect the rearview camera image output connector to the VIDEO IN RCA connector from head unit, otherwise no image will be displayed in the head unit reverse display mode.

TROUBLE SHOOTINGS

- **After the rear camera is installed, why does the stereo not switch to rearview image mode when switching to reverse gear?**

  Please check whether the Brown color wire (BACK-CAR) in the main harness of the head unit is connected to the positive pole of the backup light through the trigger wire? (See page 6)

  If the connection is correct, but the problem still exists, please check the following two points:

  1. Whether the trigger wire is damaged or defect? Check if the Brown color wire (BACK-CAR) can normally detect the voltage from the backup light through the trigger wire when switching to reverse gear.
  2. Whether one of the terminal the trigger wire is connected to the positive terminal of the backup light?
     DO NOT miss to connect the trigger wire to the brake light, fog light or cornering light.

- **How can we remove the restrictions of watching video while in driving?**

  Enter to Settings - General settings - **<Parking video Disp>**
  Disable this settings can watch video while driving.

- **Why did my Android phone can not active the Android auto in head unit?**

  Firstly, please confirm you are using a data transfer cable but not a charging cable.
  Secondly, update the Android Auto app to the latest version in your phone Google Play Store.
  Thirdly, before connect the phone to head unit, enable the USB debugging settings (Refer to page 8)

- **Why can't phone book be synchronized to the head unit?**

  Please confirm whether is your mobil phone compatiable with PBAP to allow the head unit to download the phone book profile.
  If your mobile phone supports PBAP, please make sure to enable the settings of Sync contacts in your phone Bluetooth settings.
  Please refer to page 23 for more information.

- **How can we reverse the rear view camera image? How can we add the grid lines for rear view camera image??**

  Enter to Settings - General settings - **<Camera mirror>**
  Enable this settings can reverse the backup camera image.

  Enter to Settings - General settings - **<Reverse guide>**
  Enable this settings can dispaly the grid lines in backup view.

Technical Support

Contact our technical support team by mailing to **service02@corehan.shop**
or leave your questions or suggestions to **www.corehan.com** , our team will contact you within 24 hours

FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
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.
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 20cm between the radiator & your body.

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