# POWER ACOUSTIK

## Operation Instruction Manual

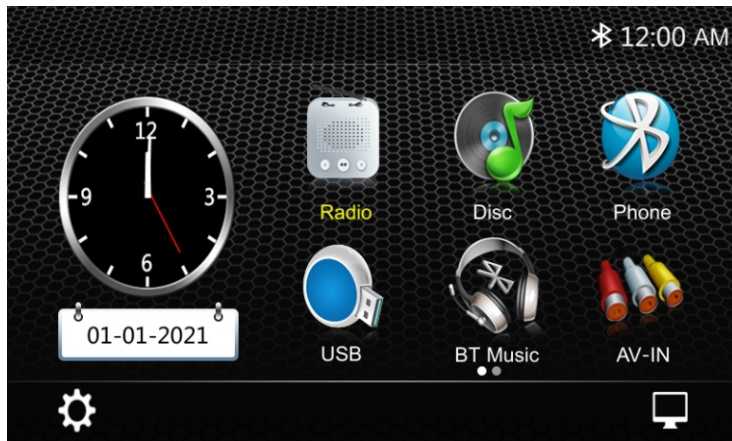## CPAA-70D
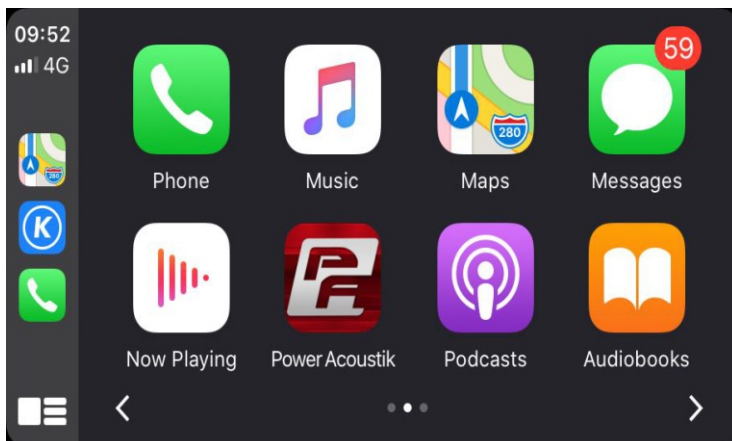
# Content

# 1.    Appearance

**Main Menu**



**Carplay Menu**
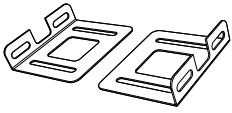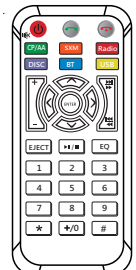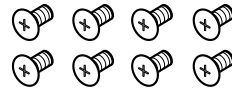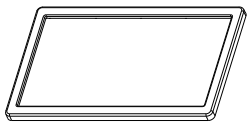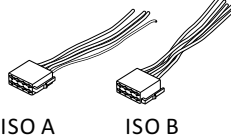


**Android  Menu**
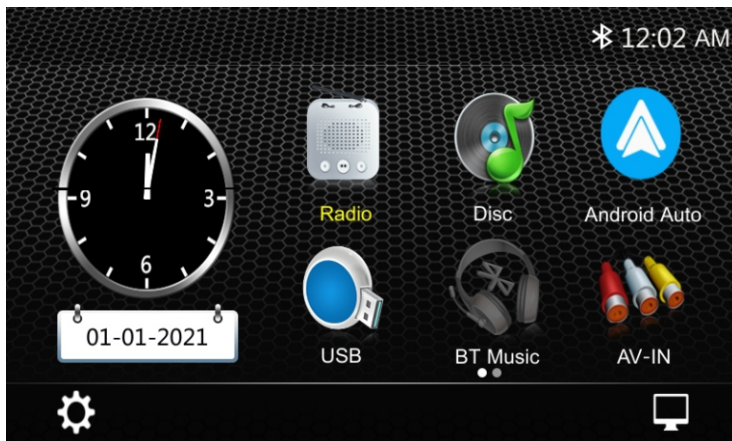
## 2. Accessories & Installation

Package contains the following accessories for installation and operation of the unit.

| | | | | | |
|---|---|---|---|---|---|
| (1) Mounting bracket | 2 | | (3) Remote | 1 | |
| (2) Screw | 8 | | | | |
| (4) Trim Ring | 1 | | (5) User Manual | 1 | |
| (6) Download Card, | 1 | | (7) Warranty Card | 1 | |
| (8) ISO Cable | 2 | ISO A     ISO B | (9) Harness cable | 1 | |

## Installation

Round head Screws

1. Putt he 2 brackets to the left and right sideof the headunit
2. Use screws to fix the brackets to the unit.

### Note:

1. Make sure the ignition is turned off, and disconnect the cable from the vehicle battery's negative (-) terminal. You never want electricity running white you install this 2-DIN car receiver.
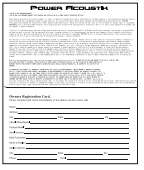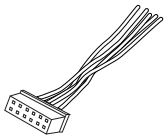
2. Before installation, disconnect the wire harness and the antenna.

3. Attach the brackets on the both sides of the car receiver with screws as shown as the figure. Please buy from your dealer according to the drilling of holes size.

**Dashboard**

**Bracket**

**Bracket**
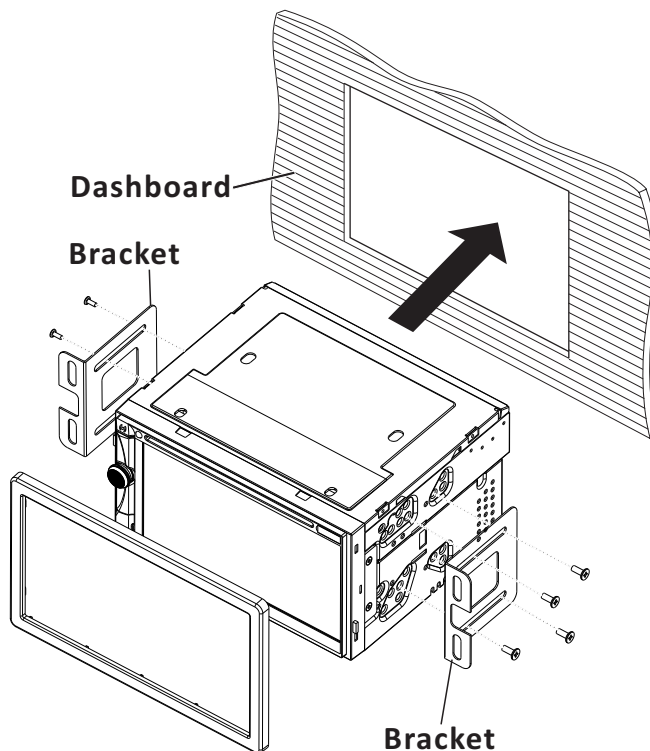
## Installation

4.  Consult with your nearest dealer if installation requires the drilling of holes or other modification of the vehicle.

5.  Install the car receiver in the dashboard.

6. Connect the wire harness & antenna to the car receiver being carefully not to pinch any wires or cables.

7. Install the plastic outer trim ring onto the car receiver.

8. Reconnect the battery and run through all of the options on this car receiver to ensure that everything is working correctly.

9. Particulars will vary widely depending upon the kind of your car and the car you intend to install it in. Please choose the correct installation method according to the actual situation of your car. Always contact the car dealer or manufacturer if you have any questions.

# 3.   Wiring Connection
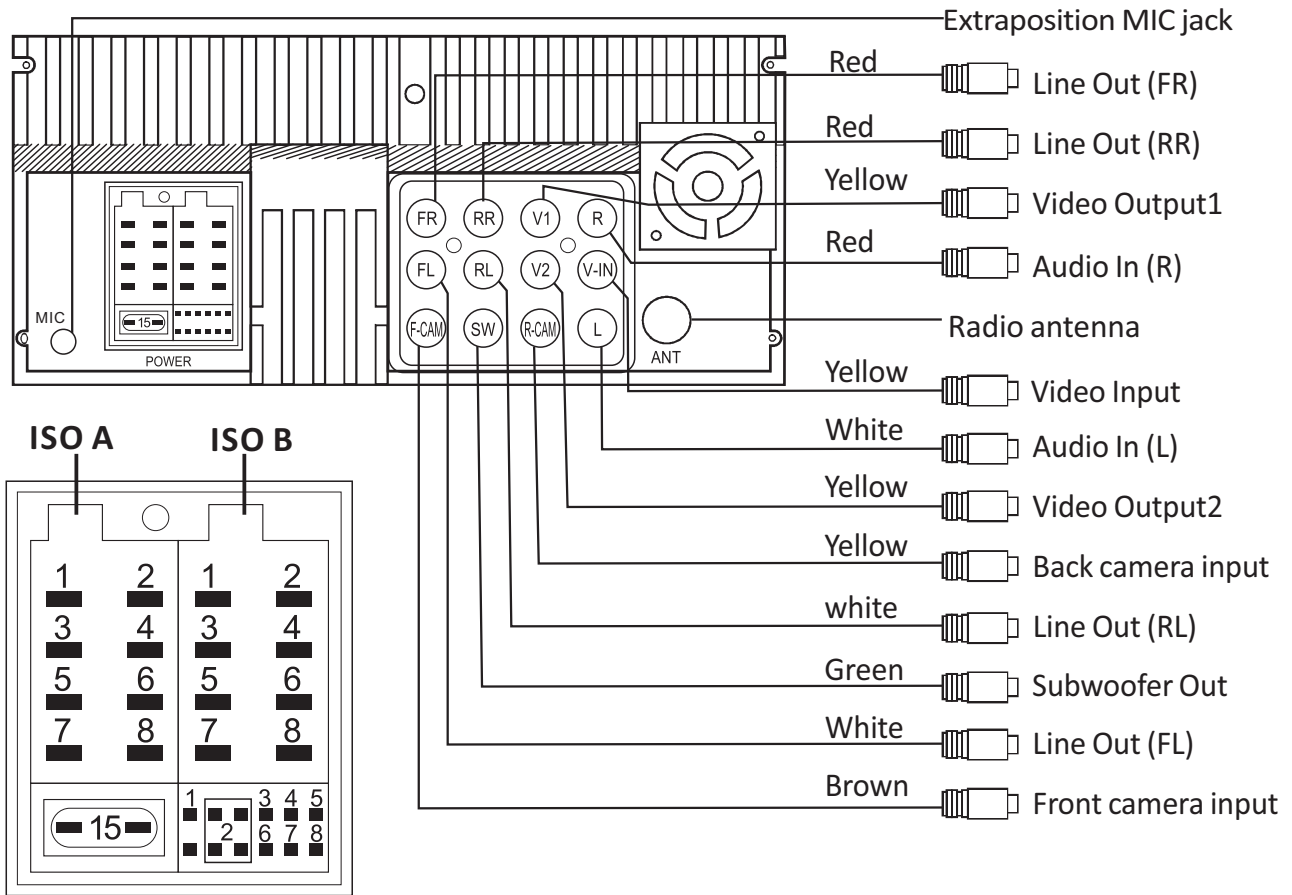


| Portion | Color | Connection |
|---|---|---|
| | Yellow | Battery B+ |
| | Orange | ILL B+ |
| ISO A | Blue | Antenna |
| | Black | Ground |
| | Red | ACC B+ |
| | Purple | Rear right speaker(+) |
| | Purple / Black | Rear right speaker(-) |
| | Grey | Front right speaker(+) |
| | Grey / Black | Front right speaker(-) |
| ISO B | White | Front left speaker(+) |
| | White / Black | Front left speaker(-) |
| | Green | Rear left speaker(+) |
| | Green / Black | Rear left speaker(-) |
| | Blue / White | Amplifier control(B+) |
| | Brown | Brake detect (Ground) |
| | Pink | Back car control(Back camera B+) |
| Harness connector | Pink / Black | Front camera(B+) |
| | Black | Ground |
| | Green | Steering Wheel 2 |
| | Grey | Steering Wheel 1 |

## 4. Front Panel
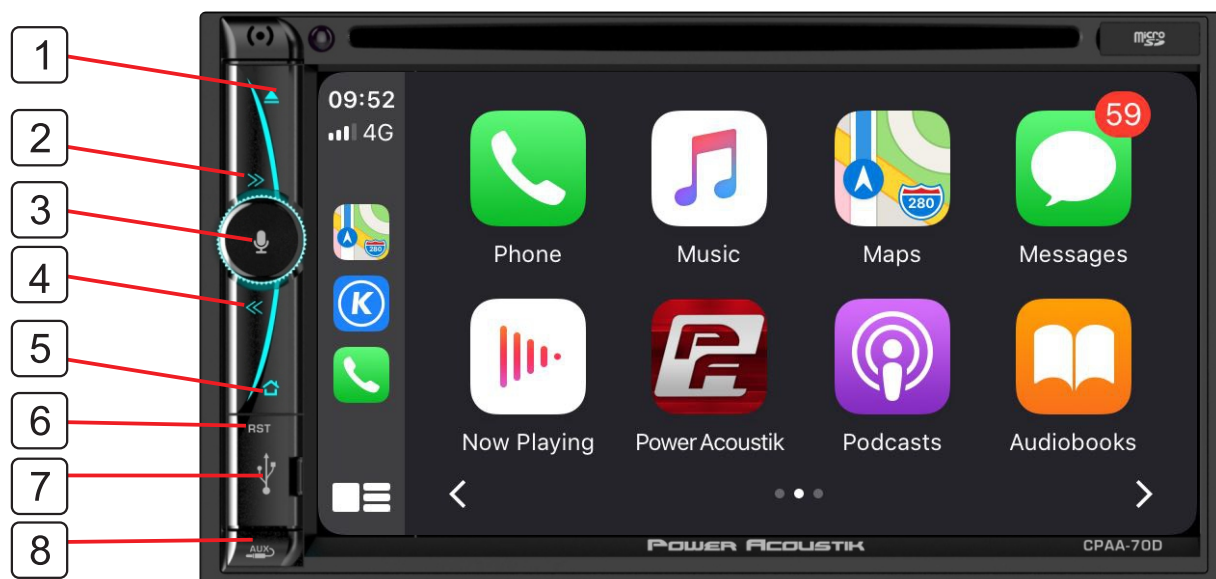


① **Eject**

  eject disc.

② ④ **>> / <<**

Radio Mode:

Press repeatedly to fine tune the radio frequency upward or downward.

Press & hold shortly to tune the radio frequency to the upward or downward station for broadcasting.

Disc/USB / SD Input Mode / Bluetooth Mode:

Press repeatedly to shift track upward or downward for playback.

Each time press & hold shortly to activate various fast forward/rewind speeds for playback.

(Note: Fast forward or fast rewind is not available at Bluetooth mode & picture playback mode)

③ **VOLUME**

when Apple CarPlay or Android Auto available, hold the voice button to start the voice control function.

⑤ **HOME**

when Apple CarPlay or Android Auto available, hold the voice button to start the voice control function.
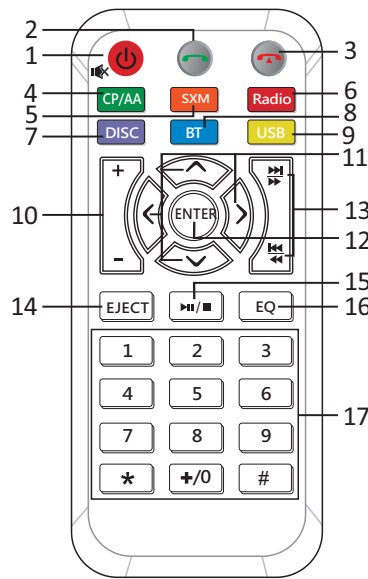
⑥ **RESET**

Restart Head unit.

⑦ **USB**

Insert USB device to this slot for digital files playback.(Note: the USB slot is intended for data transfer only, carplay,android auto and charging.

⑧ **AUX**

Insert an external device to this port in order to have sound output ofthat external device  through the unit

# 5.  Remote Control



| No. | SYMBOL | OPERATION & CONTROL MODES |
|---|---|---|
| 1. | ⏻/🔇 | Press and hold to power it on or off. Short press this button mute the volume output when unit turn on. Long press is Power OFF function when unit turn on. |
| 2. | ☎ | In Bluetooth Mode: Press it to make a call after inputted a phone number or answer an incoming call. |
| 3. | ☎ | In Bluetooth Mode: Press it to reject a coming call or hangup while calling |
| 4. | CP/AA | Press it to swtich to Carplay or Android Auto mode; Head Unit will show string "invalid operation" when CP/AA is not pluged in in Head Unit. |
| 5. | SXM | Press it to SXM mode. (Only for SXM models). |
| 6. | Radio | Press it to Radio mode. |
| 7. | DISC | Press it to DVD mode. |
| 8. | BT | Press it to Bluetooth mode. |
| 9. | USB | Press it for digital files playback in USB |
| 10. | VOL+/- | Press it to increase or decrease the volume level. |
| 11. | ∧/∨/〉/〈 | It is UP /Down/Left/Right Arrow, use this button to select the menu item, the title track or to show next frame. |
| 12. | ENTER | Press it to confirm selection. |
| 13. | ▶▶❘/❘◀◀ | In DVD mode: short press it to skip to the next track or  previous functions, long press to activate fast forward or fast review in a track |
| 14. | EJECT | Press it to eject the disc. |
| 15. | ▶❙❙/■ | In DVD mode: press it to stop playback, press again to resume. |
| 16. | EQ | Press it to Equalizer functions. |
| 17. | 0-9 *  # | In Radio mode:  select 1-6 the desired band; In DVD mode:  select track. In Bluetooth mode: 0-9 * # enter the phone number or input password. |

**Note:**   1. "SXM" just for include SiriusXM function model.
2. "*" "#"  ☎  ☎   these functions for Bluetooth.

# 6.MAIN MENU

CPAA-70D  is a Two Din Car Audio with the following functions:

Apple CarPlay, Google Android Auto，Radio,Disc, Bluetooth Audio, USB.

The MODE icon in grey mean the corresponding function is not ready or proper device have not been connected.

Touch the corresponding MODE icon to enter playing mode.


without Apple CarPlay


with Apple CarPlay


with Android Auto

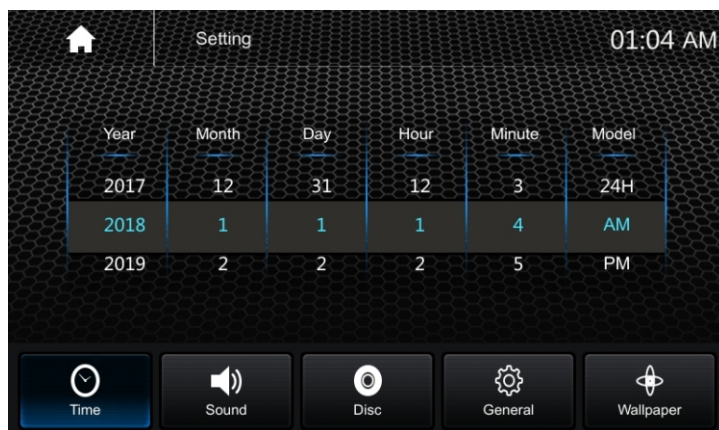  Setup, to enter the Settings Menu.

  turn off TFT display. TFT enter black mode touch any zone return to TFT on.

# 7.Settings

Touch the [icon] icon to enter the Setup menu.

The Setup menu is included Time Settings, Audio Settings, Disc Settings, General Settings, Wallpapers Settings.

## Time Settings

The Time Settings allow the user to set, Date & Time.



## Sound Settings

Below shown is the Sound Settings Menu.
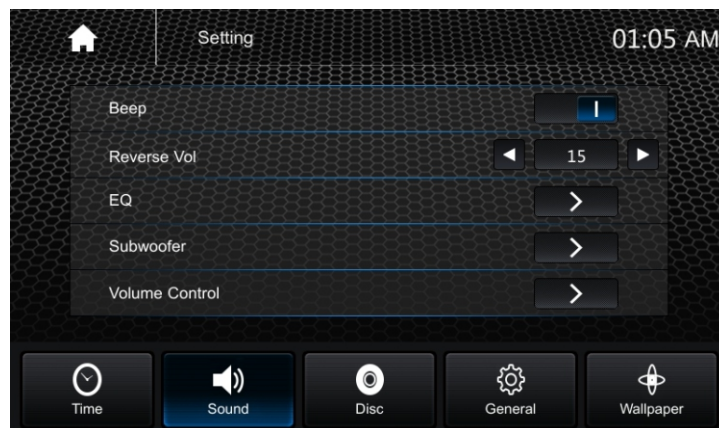
## EQ Settings
## Balance / Fader / Loud:

**Loud**: Touch the ◄ or ► to set the LOUD function is ON/OFF.
Touch the ◄ or ► of Balance/Fade to tune for the driver and passenger preference.
The value of Balance (Left 12 – Right 12) and Fade (Front 12 – Rear 12)
Touch **Reset** to set both Balance and Fader to 0.
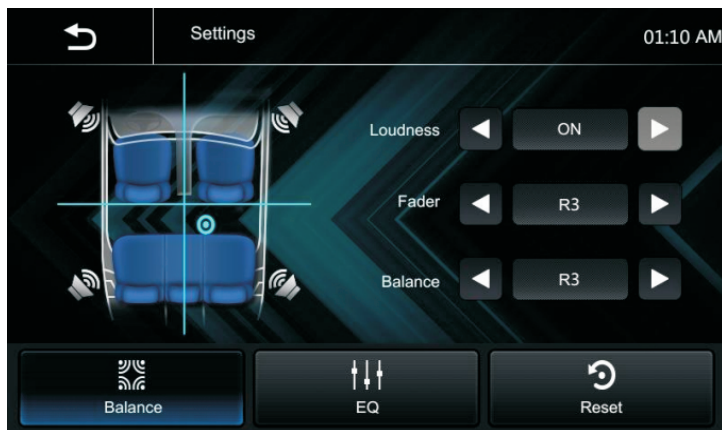


## 10- Band Equalizer
10 band of EQ tuning, slide the EQ bar to tune each band frequency
level according to user preference.
Touch **Reset** to set all Band to 0.
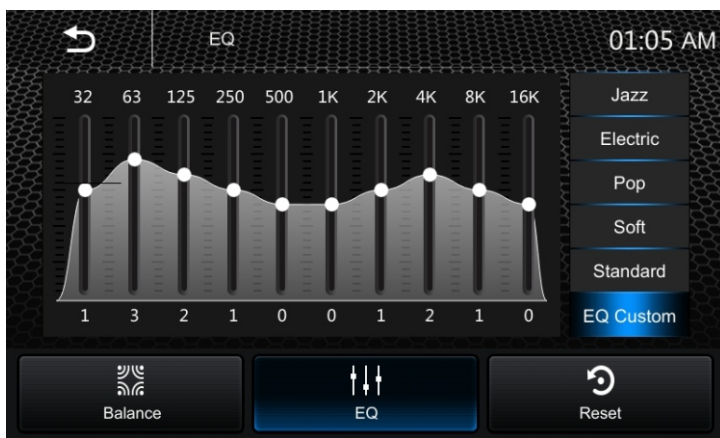


## Disc Setting
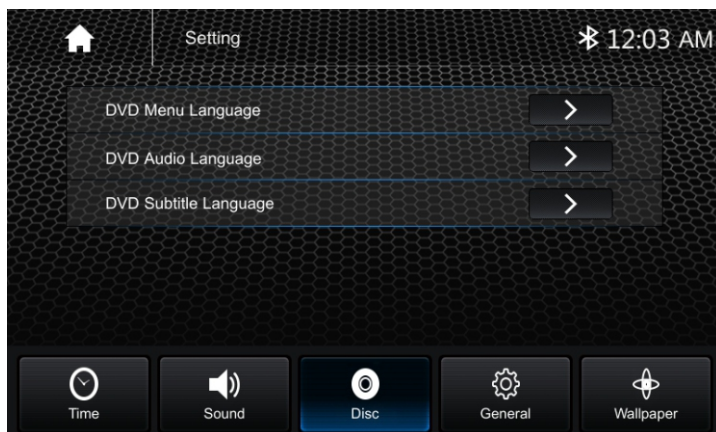
## General Setting
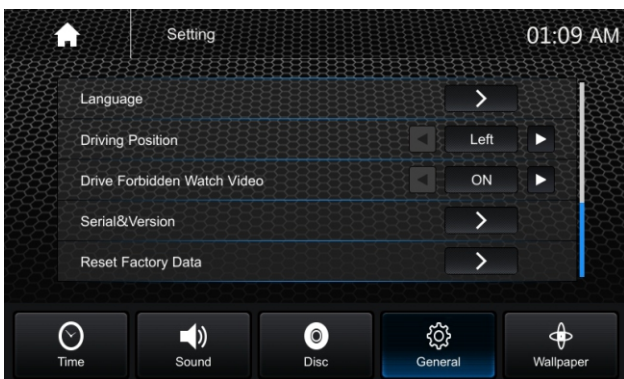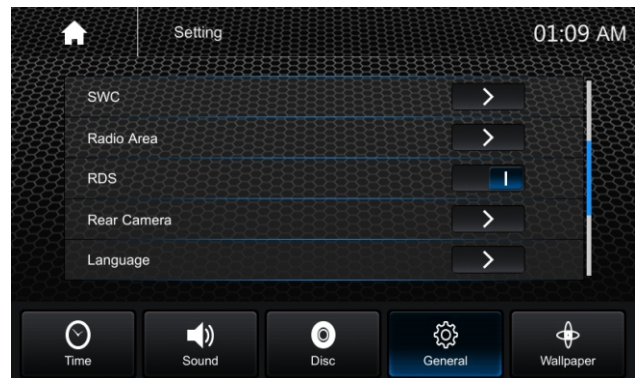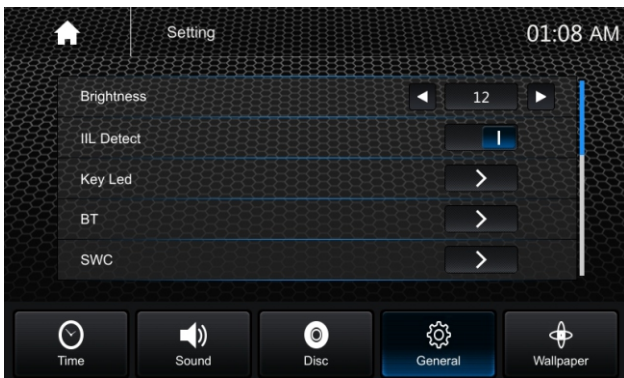






## Steering  Wheel  Control Setting
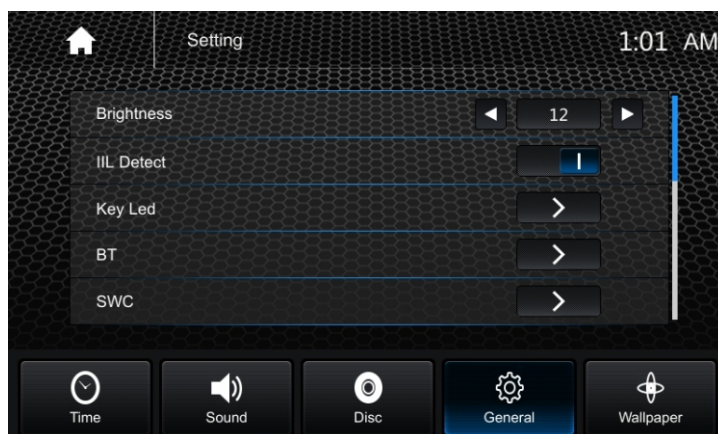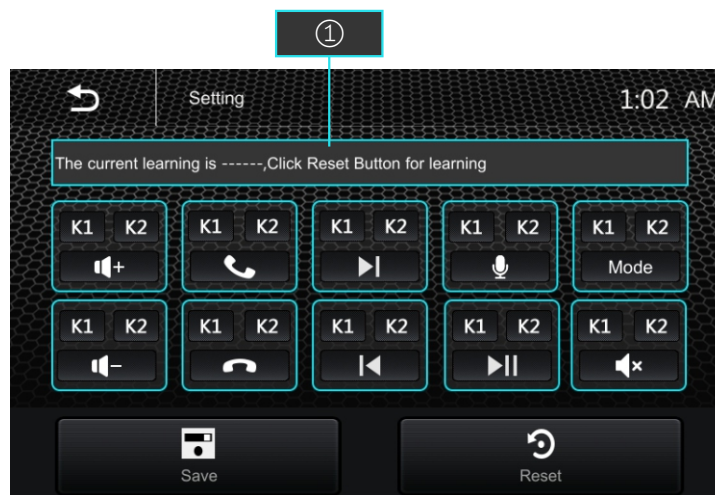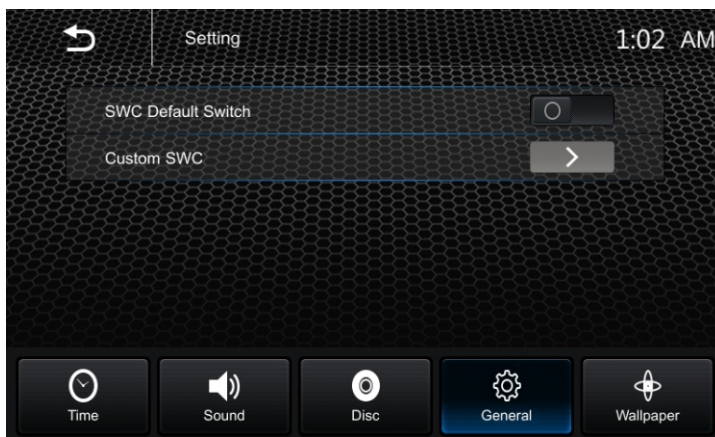
Touch **SWC** for Steering Wheel Control setting

Click **SWC Default Switch** to be "on" status

Click **Custom SWC** to SWC study model

Press the steering wheel control button of the car first and then touch the corresponding button on player screen for learning and setting

Touch **Save** to confirm the setting

Touch **Reset** to erase and reset the setting
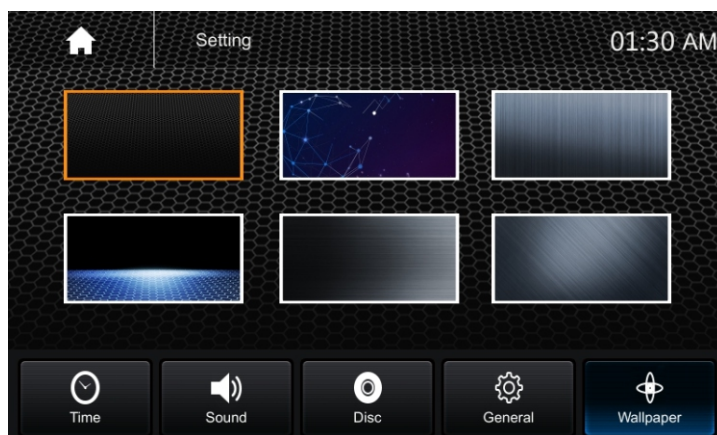
## Radio Area
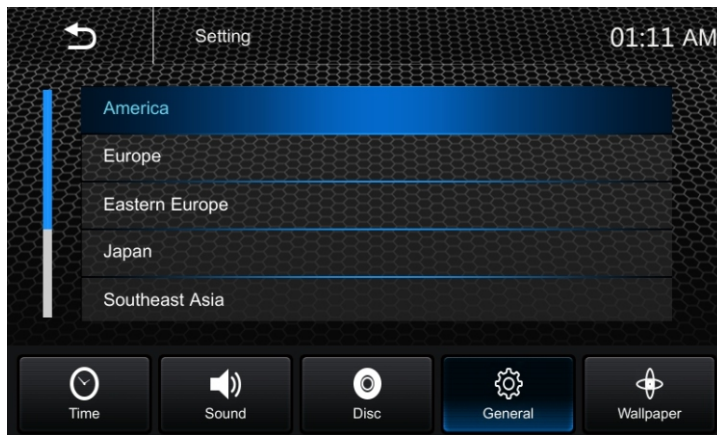


## Serial & Version
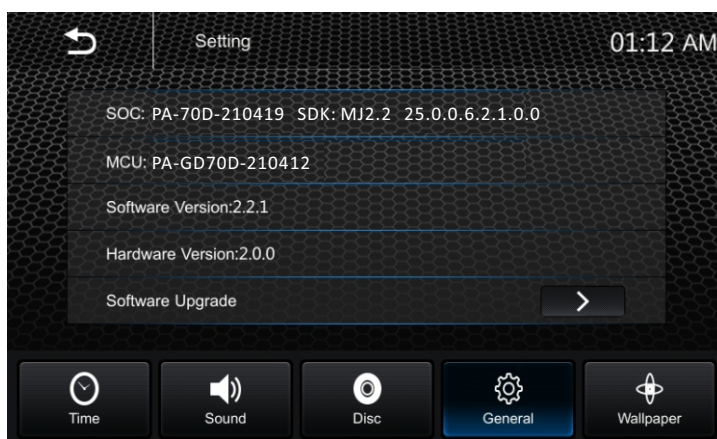


## Wallpaper

User can select the preset wallpaper.



Touch the corresponding picture to select the prefer background.

## 8.   Apple CarPlay & Android auto

## 8.1 Apple Carplay

Plug the iPhone (iPhone 5 or latter models, and iOS 7.1 or above) through the lightening cable to the USB port of the Head unit. The iPhone will be shown the "CarPlay". The Head unit will enter the CarPlay interface, the APP that support the CarPlay feature will be displayed on the Head Unit as shown below. Touch the corresponding APP can operation the operation, touch the [ ]   button to go back to the CarPlay interface.
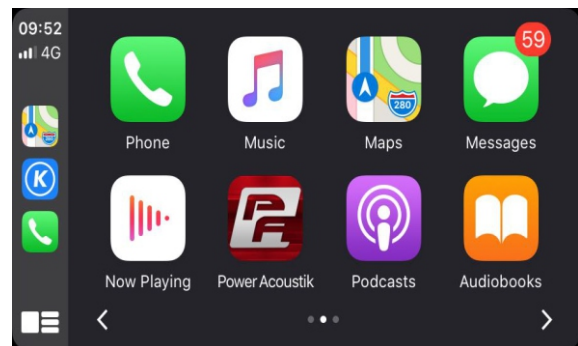


**Siri**

In CarPlay mode, user can talk to SIRI to control the CarPlay function. Press [ ]  button to start the SIRI function, or touch the [ ] button for 2 second or the HOME button of iPhone in the CarPlay Home screen to talk to Siri for playing music, i will going ……

Notice: For the SIRI function in the Head unit, the Microphone has to been connected.

In CarPlay model, touch "Home/siri" button  or [ ] icon to enter the Head unit main menu

## 8.2 Android auto Operations

Android Auto enables you to use functions of your Androd device convenient for driving. You can easily access route guidance, make calls, listen to music, etc. For details about Android Auto, visit https://www.android.com/auto/and https://support.google.com/androidauto.,

**Compatible Android devices**

You can use Android Auto with Android devices of Android version 5.0 or later.

**Note: Android Auto may not be available on all devices and is not available in all countries or regions.**

**Operations**:

1. Connect an Android device via USB terminal
   To use the hands-free function, connect the Android device via Bluetooth.
   When an Android device compatible with Android Auto is connected to USB terminal, the device is connected iva Bluetooth automatically, and the Bluetooth smartphone currently coonected is disconnected.
2. Unlock your Android device
3. To enter Android Auto mode, touch Android Auto icon in the head unit screen.
   You can perform the operations of the Apps of the connected Android device.
4. In Android Auto model, touch "Home"  to the head unit main menu.
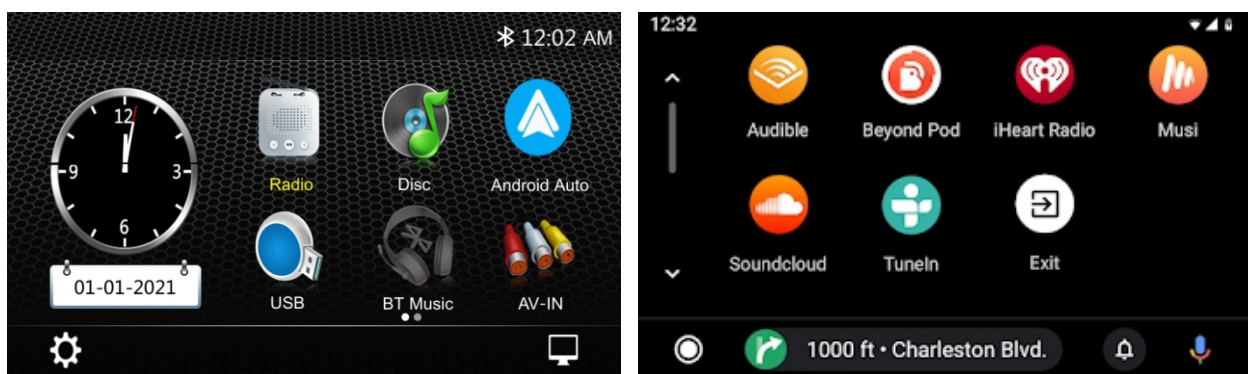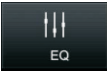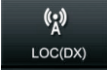
# 9.Radio mode

Touch the **Radio** icon to enter Radio mode.



| FM1 | Touch FM1 button to select FM1 BAND |
|---|---|

Touch FM1 button to select FM1 BAND

Touch AM1 button to select AM1 BAND

Touch it to select the band,FM1->FM2->FM3->AM1->AM2

Touch it for the Auto Scan searching.

Touch it to enter EQ setting

Touch it to select loc or Dx

Touch it to direct tune

Short touch for Tune-, long touch for Seek-.

Short touch for Tune+, long touch for Seek+.

Preset channel, Six preset buttons store and recall stations for each band.

## Store a Station

1. Tune radio to desired station.
2. Touch and hold the one of the preset channel button for more than 3 seconds, then the preset buttons will be highlighted on the screen, and the preset station will be store.
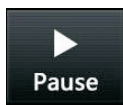
# 10.USB

Plug the USB to the connector, the USB icon will have color. Touch the USB icon to enter the USB playback mode. The Head unit default to play the Audio in the USB driver.
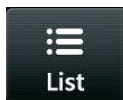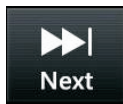


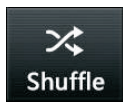Press to search Audio, Video or Picture files.
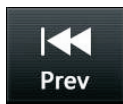
Short press it to skip to the previous track, long press it to fast reverse.
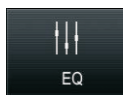
Pause/Play button.

Short press it to skip to the next track, long press it to fast forward.

Press it to turn on/off random play.

Repeat Play Press it to select Repeat All, Repeat One or Repeat Directory.

Press it to select the Audio setting or set the prefer EQ of each band in Custom mode

## Filelist browsing

CPAA-70D is default audio play back, it also support to play picture and video. If there is other multimedia files in the USB, touch [List] to browse the folder and file list of the USB driver. Select the multimedia type

[▶] Return to playing pervious file

[♪] Select Audio or Music files

[⊛] Select Movie or Video files.

[🖼] Select Picture files

## 11.   Disc ( Playing Video)
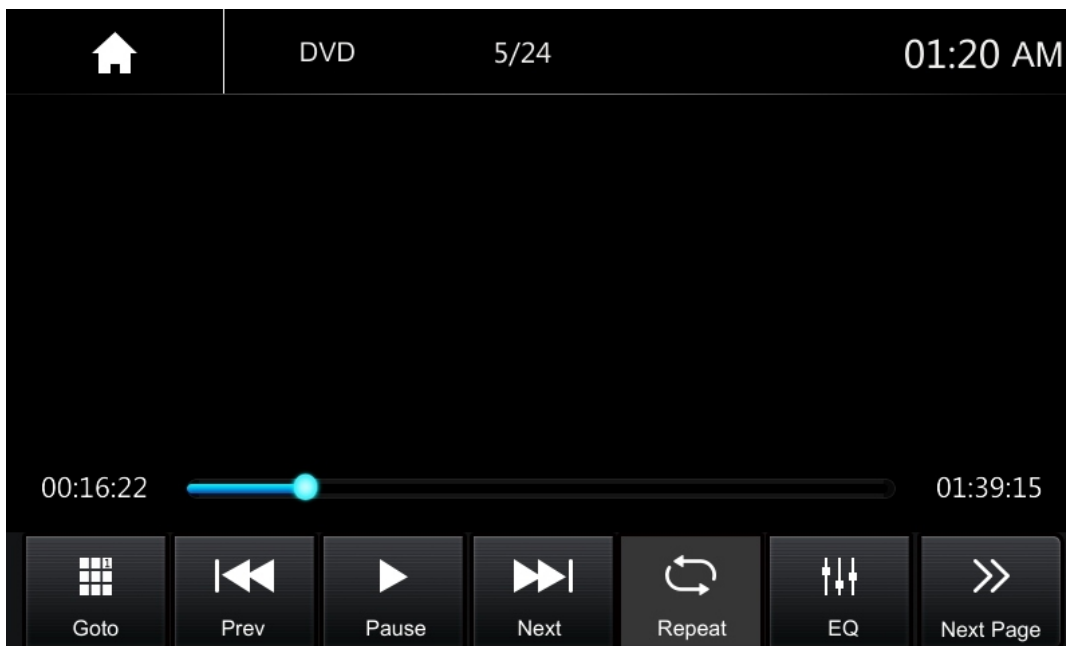


 Touch it to handle goto selecting

 Touch it to select previous chapter

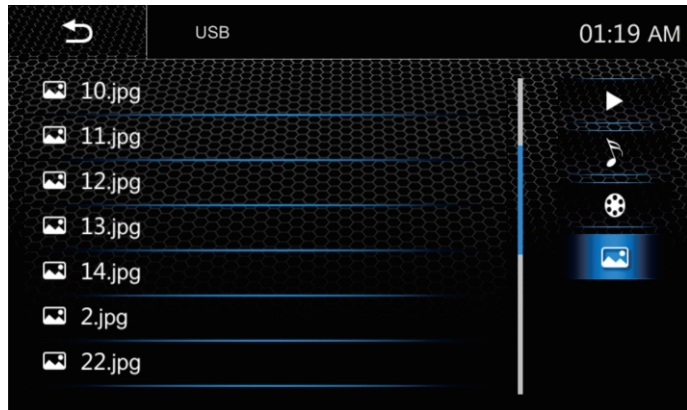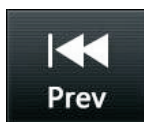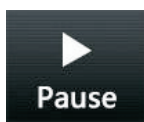 Touch it to toggle play or pause
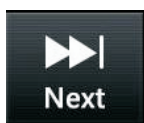
 Touch it to   select next chapter
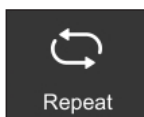
 Repeat Press it to select repeat mode
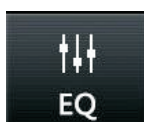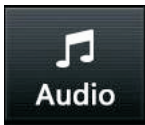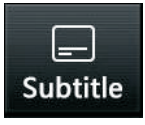
 Press it to select the Audio setting or set the prefer EQ of each band in Custom mode
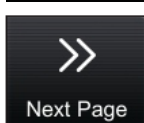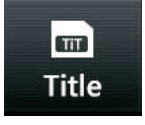
 Touch it to select the second page of the keypad
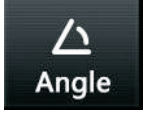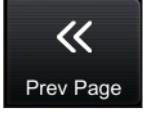
 Touch it to select audio language

 Touch it to select subtitle language

 Touch it to select section

 Touch it to show title menu

 Touch it to handle angle

 Touch it to select the first page of the keypad

## 12.   Bluetooth Music

Touch the  **BT Music icon** to enter Bluetooth Audio playing mode. If the Bluetooth is connected, the music will be playing as following shown.
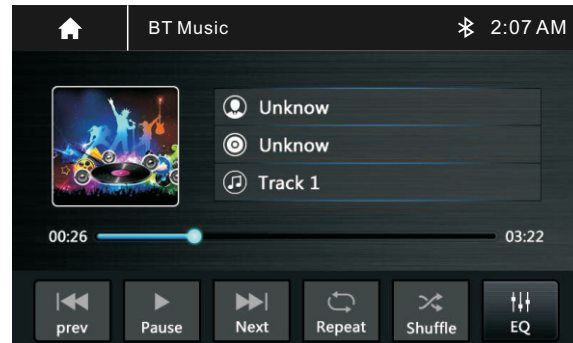


If the Bluetooth is not connected, press Reconnect to connect the paired phone or Pairing to pair the new device.
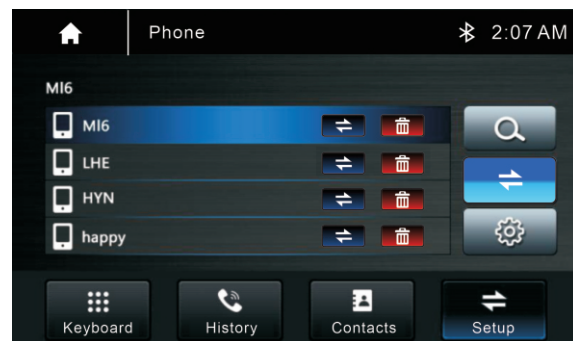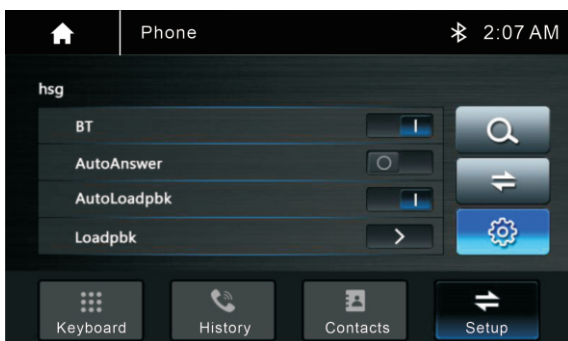


**Bluetooth Pairing**

Press **Paring** the Pairing Mode screen will be shown as below:
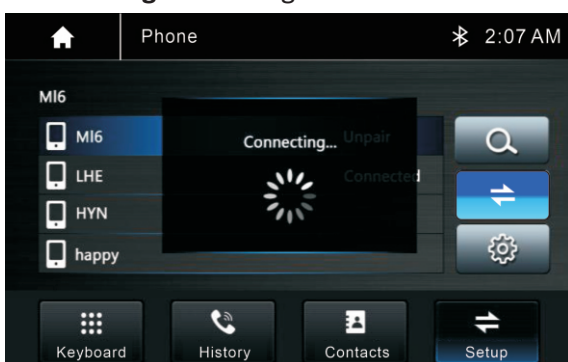


Turn On the Bluetooth of  the Mobile phone / Bluetooth device, you can see the **CPAA-70D**.
Select the **CPAA-70D** for pairing and connection.

# Bluetooth Audio Playback
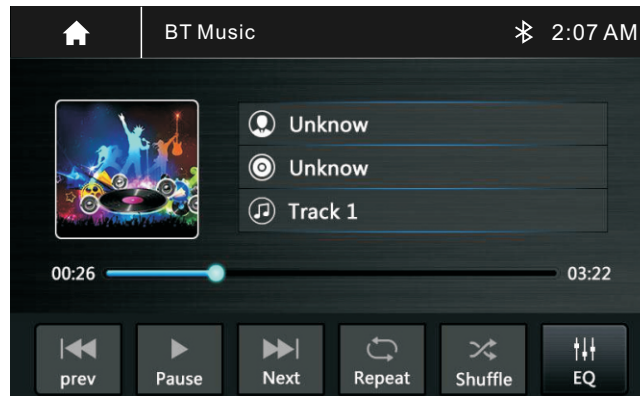


  Short press it to skip to the previous track.

  Play / Pause button.

  Short press it to skip to the next track.

  Repeat, press for select between Repeat All, Repeat One or Repeat Directory
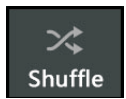
  Press it to turn on/off random play.
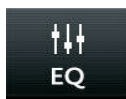
  Press it to turn on/off the Audio Settings menu to adjust the EQ.

# 13. BT Phone

Touch the Phone icon in main menu to go to Phone mode. After the phone connected with the Head Unit via Bluetooth (HFP), user can through the Head unit to make a phone call. Please note it needs to connect the microphone for phone call.
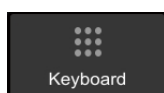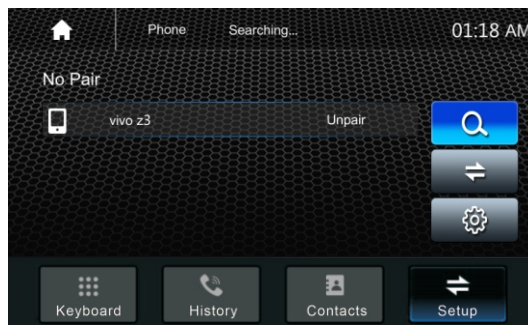
 

 Dial Pad, tap Dial pad button to enter call mode
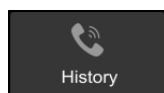
 Call logs, to show the call record, missed, received and dialed calls
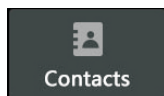
 Contact, to show the phonebook connected phone
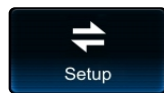
 Show the usable devices

 BT Setup, to set auto answer and load phonebook
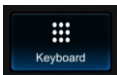
 Search the available device

 Manage the connected device

## Dial a call

1. Touch the [Keyboard] icon and the below screen will appear.
2. Using the keyboard, touch 0-9,*,#, to enter the phone number you wish to dial. If you enter an incorrect number, touch the [×] icon on the keyboard to delete the incorrect number.

3. Once the correct number appears on the screen, touch the [call] icon. To go back dialing interface.

4. To end the call, touch the [end call] icon on the screen.
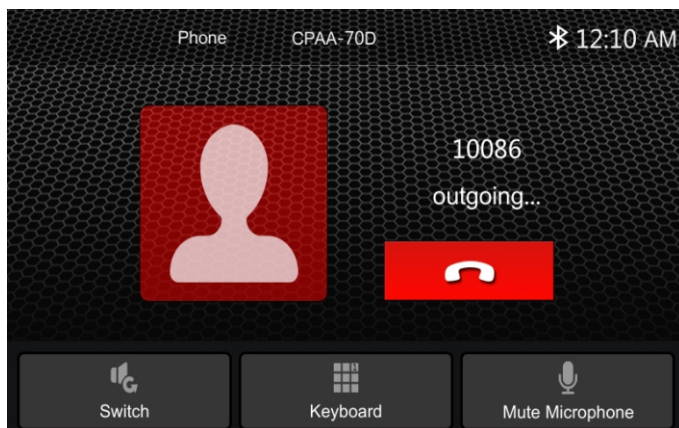
## Receiver an incoming call

If the Phone is connected with the unit via Bluetooth, when an incoming call, the below screen will be shown.



Press [green phone icon] to answer the Call or [red phone icon] to hang up the call.

[Switch icon] Interchange between Phone and Headunit.

[Keyboard icon] Display the Dial Pad.

[Mute Microphone icon] ON/OFF the Microphone function.
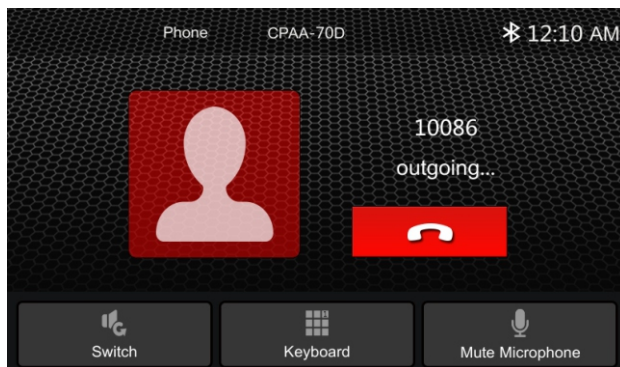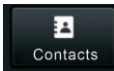
# Call logs

Touch the [History] icon to display the Call Combined list.
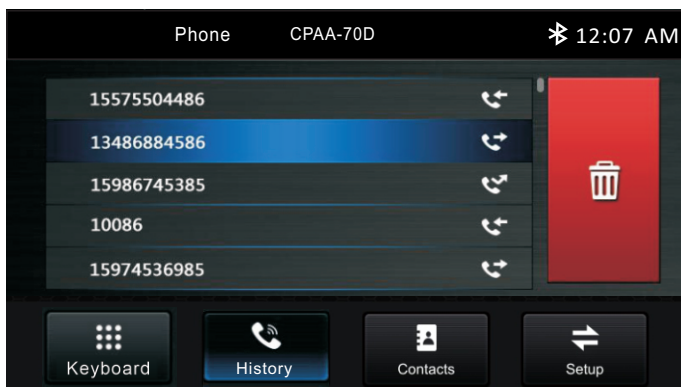


Slide the bar at right side up and down to display a Call logs up to 20 records.

## Contacts

Touch the [Contacts] icon to access the phone book of the connected phone.
To make a call from the phone book, simply touch the contact name.

# BT Setup
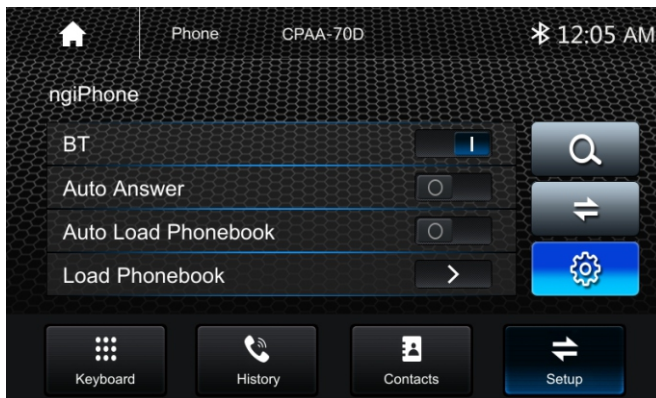


| | |
|---|---|
| BT | On/Off , power on or off BT function |
| Auto Answer | On/Off, coming call auto answer |
| AutoLoadpbk | On/Off, when connect phone auto load phone book on or off |
| Loadpbk | load phone book |

## 14.  AV IN

The Audio/Video source with RCA cable can through the Head unit to play the Audio/Video. Plug the RCA to the corresponding A/V socket.

touch  to view the playing Audio/Video.
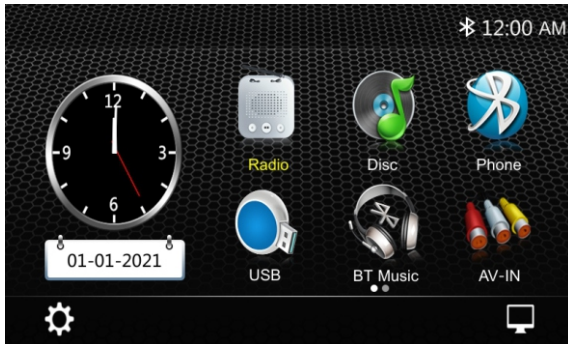


The Audio and Video will via the RCA cable to the Head unit

# 15.  Specification

**General**

Power Supply ...................................................................………… DC10~16Volts

Grounding System ..................................................................…. Negative Ground

Current Drain ......................................................................…… 15A(Max.)

Speaker Impedance ..............................................................… 4 ohms per channel

Frequency Response...............................................................…. 20Hz~20KHz

Operating Temperature ......................................................……… -20~+60℃

Dimensions ..............................................…… 175mm(W)×175mm(D)×100mm(H)


**TFT Display**

TFT Screen size.............................................................………….…….7inch

Resolution...........................................................................1024x600 pixels

**FM Radio**

Frequency Range (USA) ....................................................……87.5~107.9MHz

Frequency Range (Europe) ...................................................……87.5~108MHz

Usable Sensitivity (S/N=30dB)..........................................................≦ 15dB

S/N Ratio...........................................................................................≧ 55dB

Stereo Separation..............................................................................≧ 30dB

**AM/MW**

Frequency Range (USA) ....................................................……530~1710KHz

Frequency Range (Europe) ...................................................……522~1620KHz

Usable Sensitivity(S/N=20dB).........................................................≦ 40dB

S/N Ratio..........................................................................................≧ 45dB

**Line-Out/Subwoofer Output**

Maximum Output Level (10K ohms load)..............................................≧ 4Vrms

Subwoofer Time Align..............................................................0~18ms

**FCC Notes**

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.