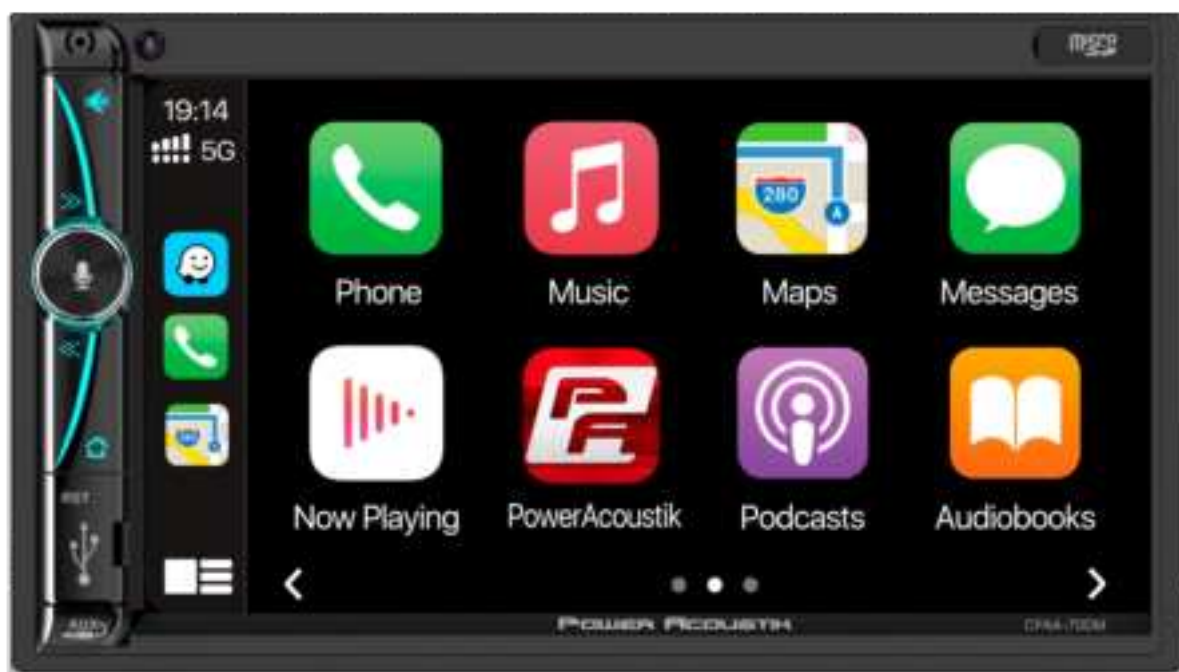


AV Center 2-DIN Headunit

2 DIN 7" Monitor
Touch screen
MP3/MP4
USB/SD
AM/FM Radio
Support Apple CarPlay™
Support Android Auto™
Support Bluetooth



androidauto



X300
WATT
4CH. AMPLIFIER



Content

| | |
|---------------------------------------|----|
| 1. Appearance..... | 3 |
| 2. Accessories and Installation | 3 |
| 3. Wiring Connection | 5 |
| 4. Front panel Description | 7 |
| 5. Remote Control | 8 |
| 6. Main Menu | 9 |
| 7. Settings | 9 |
| 8. Apple CarPlay & Android auto | 12 |
| 9. Radio | 12 |
| 10. USB | 13 |
| 11. BT Audio | 14 |
| 12. BT Phone | 15 |
| 13. AV IN | 17 |
| 14. Specification | 18 |
| FCC Notes | 19 |
| Warranty | 20 |

1. Appearance

Appearance

Main Menu



Carplay Menu



Android Auto Menu



2. Accessories & Installation

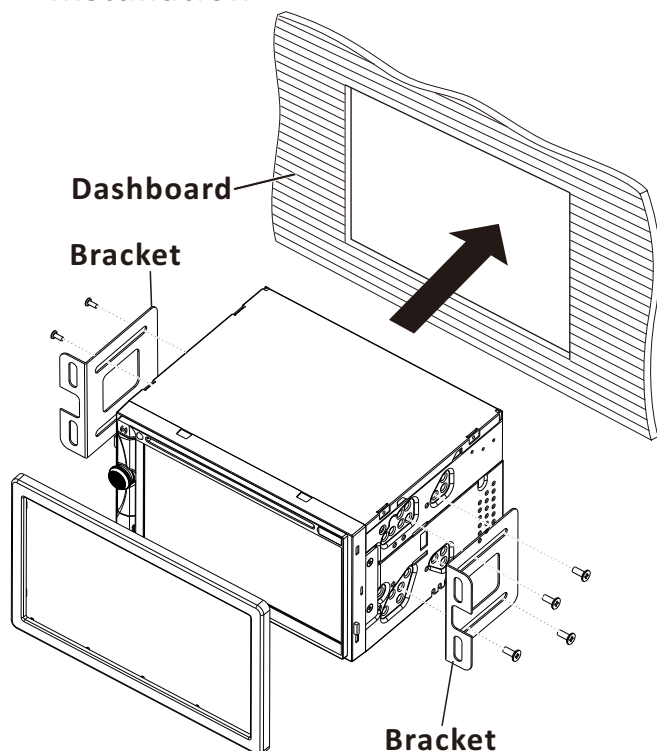
Accessories & Installation

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

| | | |
|----------------------|---|--|
| (1) Mounting bracket | 2 | |
| (2) Screw | 8 | |
| (3) Remote | 1 | |
| (4) Trim Ring | 1 | |
| (5) User Manual | 1 | |
| (6) Wire Harness | 1 | |
| (7) 4 Pin Connector | 1 | |

2. Accessories & Installation

Installation



Installation

1. Put the 2 brackets to the left and right side of the headunit.
2. Use screws to fix the brackets to the unit.
3. Install the body chassis into the dashboard via the 2 brackets.
4. Install the trim ring to the body chassis.

Note:

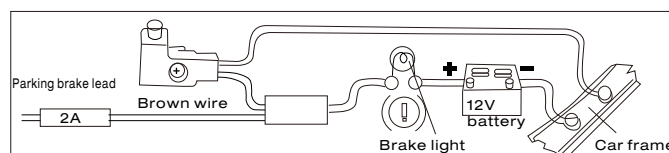
1. Make sure the ignition is turned off, and disconnect the cable from the vehicle battery's negative (-) terminal.
You never want electricity running when you install this 2-DIN car receiver.
2. Before installation, disconnect the wire harness and the antenna.
3. Attach the brackets on the both sides of the car receiver with screws as shown as the installation drawing. Please buy from your dealer according to the drilling of holes size.

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 as 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.

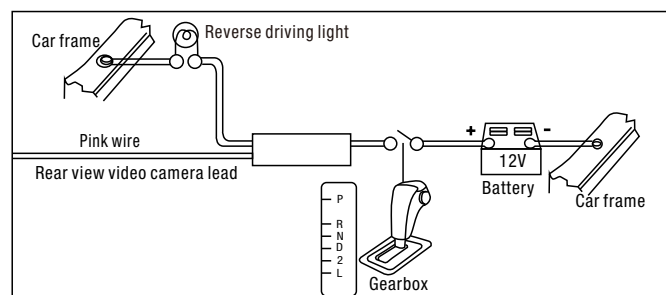
Parking wire

Note: The parking wire is connected with brake signal; for safety, the programs can be seen on the monitor after braking the car..

Note: To watch video the parking wire should be connected to brake signal.



Connecting the reversing line to taillight on the car

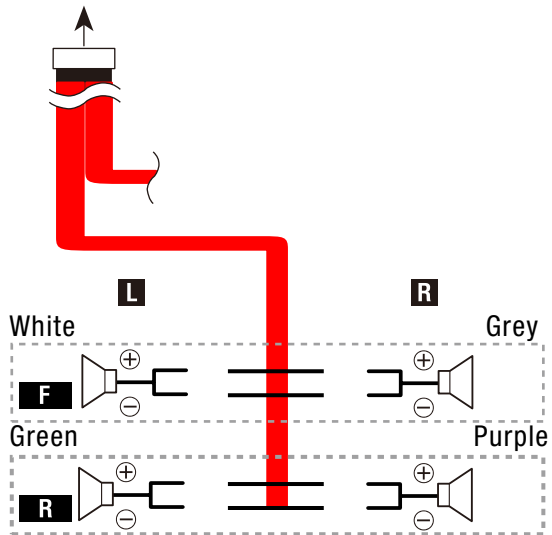


After connecting, when you start up the reverse gear, the unit will receive the picture from car rear view camera.

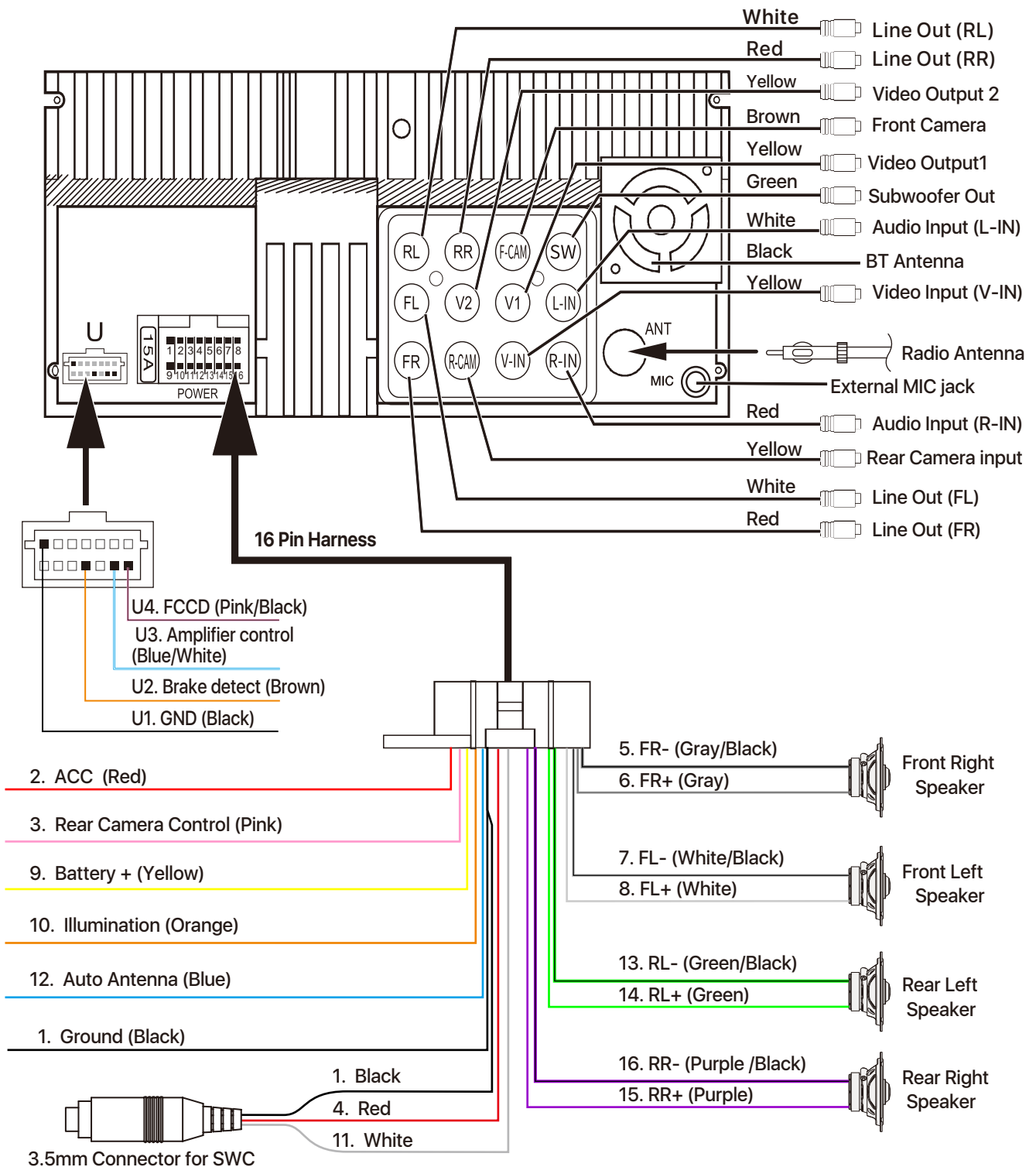
3. Wiring

Speaker Connection

Connect the speakers according the following diagram, incorrect connections will damage the unit or your loudspeakers.



3. Wiring



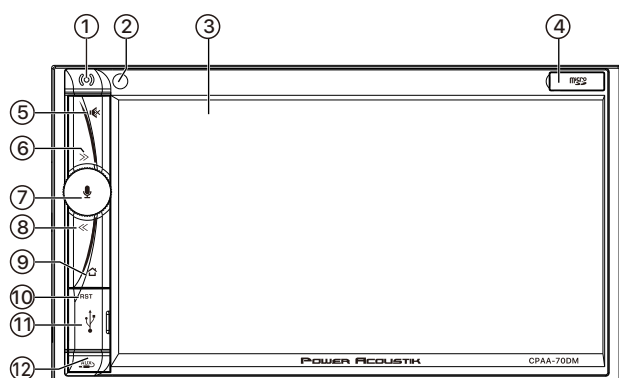
Note: To use the steering wheel control feature, you need an universal remote adapter (not supplied) matched your car.

Fuse: Max 15 Ampere

Voltage: 12V(DC); Negative Ground

4. Front panel Description

Front panel



-
- ① **Mic**
Built-in Microphone.
-

- ② **IR Sensor** of Remote
IR remote control signal receiving window.
-

- ③ 7 inch TFT LCD
-

- ④ **Micro SD** slot
Insert micro SD for playback.
-

- ⑤ **Mute Button**
Press to Mute or Un-Mute.
-

Rotary Control On/Off button

Short press to switch On the source unit.

Long press to switch Off the source unit (When unit is working).

- ⑦ In operation, rotate to adjust the sound output level.

Siri button

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

- ⑥ << / >> button

- ⑧ **[Radio]** Press to select previous/next preset radio station for broadcasting.

Press and hold to seek downward or upward.

[USB/SD Music] Press repeatedly to shift track previous or next for playback. Press and hold to active various fast rewind or fast forward speeds for playback.

[Bluetooth Music] Press repeatedly to shift track previous or next for playback.

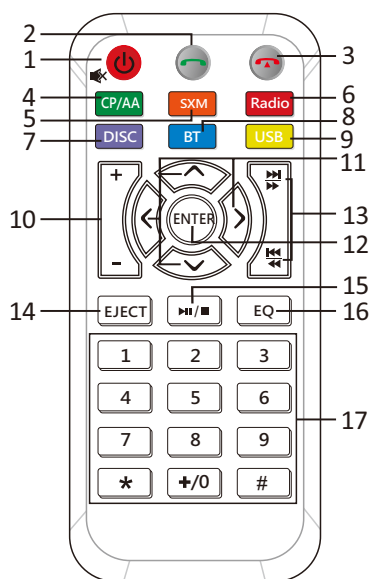
- ⑨ **HOME** button
Press to back to Main menu.
-

- ⑩ **Reset** button
Press to default factory settings.
-

- ⑪ **USB** port
Connect USB for digital playback. Connect your iPhone for Apple CarPlay. Connect your Android Phone for Android Auto.
-

- ⑫ **AUX in** jack
Insert an external device to this port in order to have sound output of that external device through the unit.
-

5.REMOTE CONTROL



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. [Bluetooth]: Press it to make a call after inputted a phone number or answer an incoming call.

3. [Bluetooth]: Press it to reject a coming call or hangup while calling

4. Press it to switch to CarPlay or Android Auto mode; Head Unit will show string "invalid operation" when CP/AA is not plugged in Head Unit.

5. CPAA-70DM have not this function..

6. Press it to switch to RADIO mode.

7. CPAA-70DM have not this function..

8. Press it to switch to Bluetooth mode.

9. Press it to switch to USB mode.

10. 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. [Radio] Press to seek upward/downward.

12. Press it to confirm selection.

[Radio] Press to select next/previous preset radio station for broadcasting.

13. [USB/SD]: short press it to skip to the next track or previous functions. Long press to activate fast forward or fast review in a track.

[Bluetooth Music]: short press it to skip to the next track or previous functions.

14. Press it to eject the disc.

15. [USB/SD]: short press it to switch play or pause.

16. Press it to Equalizer functions .

17. [Radio]: Select 1-6 desired preset station.
[USB/SD]:Input 0-9 for selecting track number.
[BT Phone]:Input 0-9/*/# for desired phone number.

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

6.MAIN MENU

CPAA-70DM is a 2-DIN car audio with following functions:

Apple CarPlay, Google Android Auto, Radio, Bluetooth, USB, SD.

The Mode icon in gray means the corresponding function is not ready or proper device have not been connected.

Touch the corresponding Mode icon to enter playing mode.



Main Menu



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 to enter the Setup menu.

The Setup menu is included Time Settings, Audio Setting s, General Settings, Wallpaper Settings.

Time Settings

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



Audio Settings

Below shown is the Audio Setting Menu.



Beep: set the Beep tone is ON or OFF.

Reverse Vol: adjust the Vol value is 0-30.

EQ Settings

Balance/Fader:

Loudness: set the Loudness is ON or OFF.

Touch the "◀" or "▶" of Balance /Fader to tune for the driver and passenger preference.

The value of Balance (Left 12-Right 12) and Fader (Front 12- Rear 12).

Touch Reset to set both Balance and Fader to 0.



7.Settings

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 .



Subwoofer:



Subwoofer Output: On/Off.

Subwoofer Frequency: 50Hz/80Hz/120Hz
/160Hz

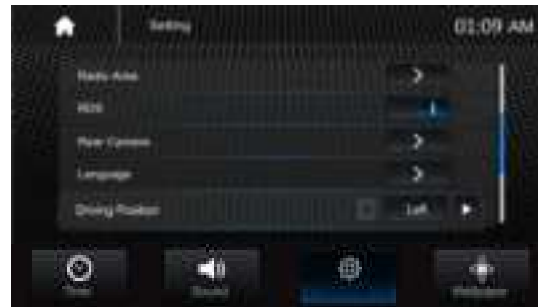
Subwoofer Level: -10~+10

Volume Control:



Set the Main / BT Talking /Navi /Voice default volume value.

General settings:



Brightness: Adjust the screen's brightness from 0-15.

Illumination Detect: On / Off.

Key Led:



LED Auto: On/Off.

ON: the Led color will change automatically.

OFF: select required LED light color:

White / Red/ Yellow /Blue/Green/Purple
/Light Green.

BT:



7.Settings

Radio Area:

Select the region: America/ Europe/ Eastern Europe/ Japan / Southeast Asia /Latin America / Asia / Australia.

RDS: On/Off.

Rear Camera:

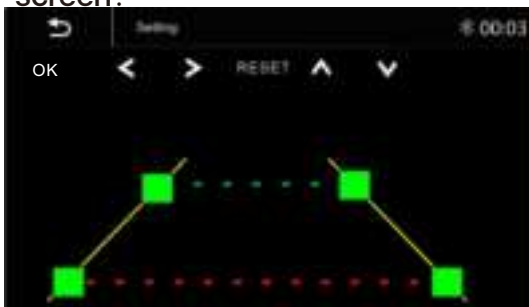


Rear Camera View: Normal/Reverse

Parking Assist Guide: On/Off

Parking Assist Guide Adjustment

Touch ">" to enter Parking Assist Guide Adjustment interface to show the below screen:



Select the adjust position and Touch < / > / ^ / v to adjust.

Touch Reset to resume the default Parking Assist Line.

Language: Select the desired language.

Driving Position: select the driver position is **Left** or **Right**.

Drive Forbidden Watch Video: On /Off.

Serial & Version:



8.CarPlay & Android Auto

Reset Factory Data: Once selected, the unit will prompt to confirm reset to factory settings. Once confirmed the system will automatically reboot.

Wallpaper:

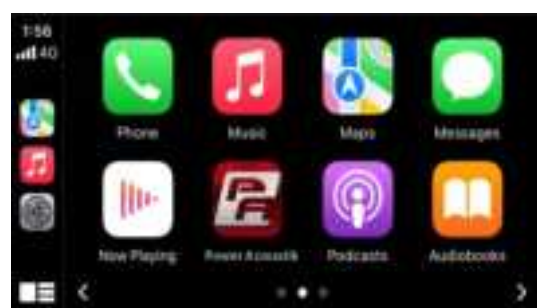
User can select the preset wallpaper for prefer background.



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 source unit. The iPhone will be shown the "CarPlay". The source unit will enter the CarPlay interface, the APP that support the CarPlay feature will be displayed on the source unit as shown below. Touch the corresponding

APP can operate, touch  button to go back the CarPlay interface.




8.CarPlay & Android Auto

Siri

In Carplay mode, user can talk to Siri to control the CarPlay functions. Press  to start the Siri function, or touch the  button for 2 seconds or the HOME button of iPhone. Now you can talk to Siri for playing music, I am going....

Note: For Siri function in the source unit, the Micriphone has to be connected.

In CarPlay mode, touch "Home" button or  icon to go back the main menu of source unit.

8.2 Android Auto Operations


Android Auto enables you to use functions of your Android 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> or <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 via Bluetooth automatically, and the Bluetooth smartphon currently conected 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 "  " to the head unit main menu.



9.Radio mode



Radio mode

Touch the Radio mode icon to enter Radio.



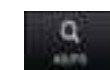
Touch FM1 to select FM1 Band.



Touch AM1 to select AM1 Band.



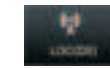
Touch to select Band, FM1>FM2 >FM3>AM1>AM2



Short touch to prescan searching, each scanned station will be played 10s. Long touch for auto searching.



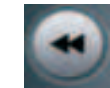
Touch to enter EQ settings.



Touch to switch LOCAL or DX.



Touch to input tune directly.



Short touch to Seek-, long touch for Step-



Short touch to Seek+, long touch for Step+



Preset station, 6 preset store and recall station for each band.

10.USB

Store a Station

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

USB

Plug the USB, the USB icon will be colorful. Touch the USB icon to enter the USB playback mode. The source unit default the play the Audio in the USB device.



Press to list Audio, Video, Picture files in USB.



Short press to skip previous track, Long press to fast reverse.



Play or pause button.



Short press to skip next track, Long press to fast forward.



Press to select Repeat All > Repeat 1 > Repeat Directory.



Press to switch Random is On or Off.




Press to select Audio setting or set the prefer EQ of each band in custom mode.



Touch to handle goto page for input the track number directly.

File List browsing

Touch  to browse the folder and file list of the USB device.

You can select the multi-media type.



Return to playing previous file.



Select Audio or Music files.

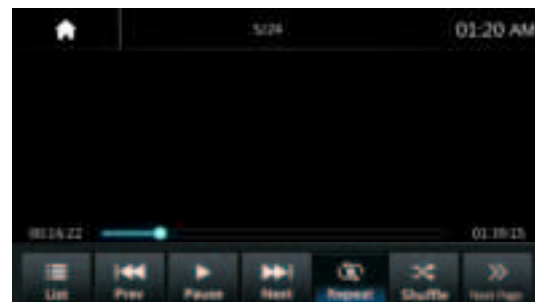


Select Movie or Video files.



Select Picture files.

Video



Press to list Audio, Video, Picture files in USB.



Short press to skip previous track, Long press to fast reverse.



Play or pause button.



Short press to skip next track, Long press to fast forward.



Press to switch Random is On or Off.



Press to select Repeat All > Repeat 1 > Repeat Directory.



Touch to select the second page of the keypad.

11. Bluetooth Audio



Press to select Audio setting or set the prefer EQ of each band in custom mode.



Touch to handle goto page for input the track number directly.



Touch to select the first page of the keypad.

Picture



Press to Zoom Out the picture.



Press to Zoom In the picture.

Bluetooth Audio

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



Bluetooth Audio Playback



Press to skip previous track



Play or pause button.



Press to skip next track.



Press to switch Random is On or Off.



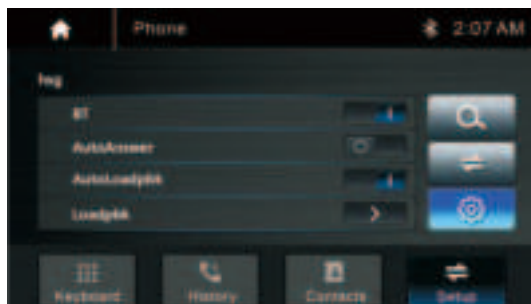
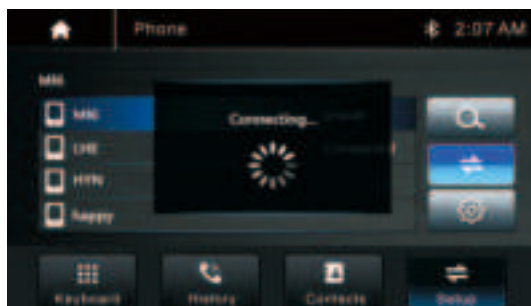
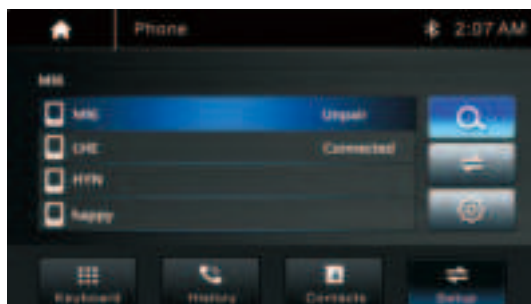
Press to select Repeat All > Repeat 1> Repeat Directory.



Press to select Audio setting or set the prefer EQ of each band in custom mode.

Bluetooth Connect

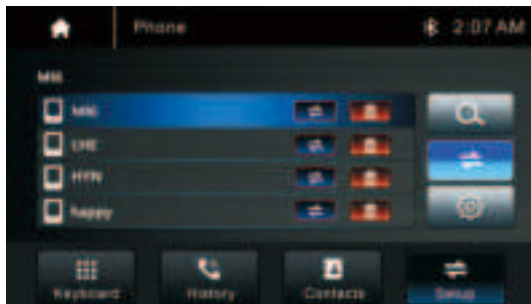
If the Bluetooth is not connected, press Re-connect the paired phone or paring to pair the new device.



12. Bluetooth Phone

Bluetooth Pairing

Pairing mode screen will be shown as below:



Turn On the Bluetooth of the mobile phone or Bluetooth device, you can see the CPAA-70DM, select the CPAA-70DM for pairing and connection.

Bluetooth Phone

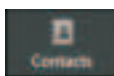
Touch the Phone icon in main menu to go to Phone mode. After the mobile phone is connected with the source unit via Bluetooth (HFP), user can through the source unit to make a phone call. Please note it needs to connect the microphone for phone call.



Dial Pad. tap it to enter call mode.



Call logs, to show the call record, missed, received and dialed calls



Contact, tap to show the phone-book connected phone.



Show the usable devices.



BT Setup, tap to set auto answer and load phonebook.





Search the available devices.



Manage the connected device.

Make a Call

1. Touch the  icon to enter below screen.
2. Using the keypad, touch 0-9,*,#, enter the phone number you wish to dial. If you input

an incorrect number, touch the  icon on the keypad to delete the incorrect number.

3. Once the correct number appears on the

screen, touch the  icon. To go to dialing interface.



12. Bluetooth Phone

4. To end the call, touch the icon

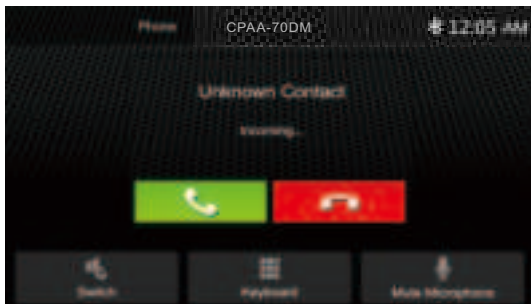


on the screen.



Receive an incoming call

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



Press  to answer the incoming call.

Press  to reject the incoming call.


Call Logs

Touch the 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 icon  to access the phone book of the connected mobile phone.

To make a call from the phonebook, simply touch the contact name.



BT Setup



BT On /OFF, Power On or Off BT function.


Auto Answer On /OFF, incoming call auto answer.

Auto Loadpbk, On /OFF, when connectphone auto load phonebook on or off.

Loadpbk, Manually load phone book.

13.AV IN

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

Touch the icon  to view the playing Audio /Video.



The Audio and Video will via the RCA cable to the source unit.

14. Specification

General

| | |
|-----------------------------|----------------------------|
| Power Supply | DC10~16Volts |
| Grounding System | Negative Ground |
| Current Drain | 15A(Max.) |
| Max Power Output | 4×75W/channel |
| RMS Power Output | 4x25w/channel |
| Speaker Impedance | 4~8ohms per channel |
| Frequency Response..... | 20Hz~20KHz |
| Operating Temperature | -20~+60℃ |
| Dimensions | 178mm(W)x135mm(D)x100mm(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

| | |
|-----------------------------------|-------------|
| 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 |

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.

LIMITED 90-DAY CONSUMER WARRANTY

LIMITED ONE-YEAR CONSUMER WARRANTY WITH PURCHASE AND INSTALLATION BY A Power Acoustik AUTHORIZED DEALER

Power Acoustik promises to the original purchaser, to repair or replace this product with a new or refurbished unit (at Power Acoustik's sole and absolute discretion) should it prove to be defective in workmanship or material under normal use, for a period of one-year from the date of purchase from the Power Acoustik authorized dealer, PROVIDED the product was purchased and installed by a Power Acoustik authorized dealer. During this one-year period, there will be no charge for product repair or replacement, PROVIDE the unit is returned to Power Acoustik, return shipping pre-paid, along with the required proof of installation, the bill of sale or other dated proof of purchase, and the consumer's contact information.

If the unit is installed by anyone other than a Power Acoustik authorized dealer, the warranty period will be 90-days from the date of purchase. This warranty is non-transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the unit caused by installation or removal of the unit. During this 90-day period, there will be no charge for the repair or replacement PROVIDED the unit is returned to Power Acoustik, return shipping prepaid, along with the bill of sale or other dated proof of purchase and the consumer's contact information.

This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak reception, damage to speakers, accessories, electrical systems, cosmetic damage or damage due to negligence, misuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, lightening or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, or Product which has been opened or tampered for any reason. Units which are found to be damaged by abuse resulting in thermally damaged voice coils are not covered by this warranty but may be replaced at the absolute and sole discretion of Power Acoustik. Unit must be returned to Power Acoustik, postage pre-paid, with bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. Please contact Power Acoustik warranty office at 800-832-4647 or repairs@poweracoustik.com to obtain a Return Authorization number prior to shipping the product.

Note: This warranty does not cover labor costs for the removal and reinstallation of the unit. IN ORDER FOR THE ONE-YEAR WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY A POWER ACOUSTIK AUTHORIZED DEALER. ALL UNITS RECEIVED BY POWER ACOUSTIK FOR WARRANTY REPAIR WITHOUT PROOF OF POWER ACOUSTIK AUTHORIZED DEALER INSTALLATION AND PURCHASE WILL BE COVERED BY THE LIMITED 1 YEAR WARRANTY.

BY PURCHASING THIS PRODUCT, ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND POWER ACOUSTIK NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. POWER ACOUSTIK HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND POWER ACOUSTIK SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN LOS ANGELES COUNTY, CALIFORNIA. Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitation or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.