

Operation Instruction Manual

Power Acoustik CPAA-70D



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1. Appearance

Main Menu

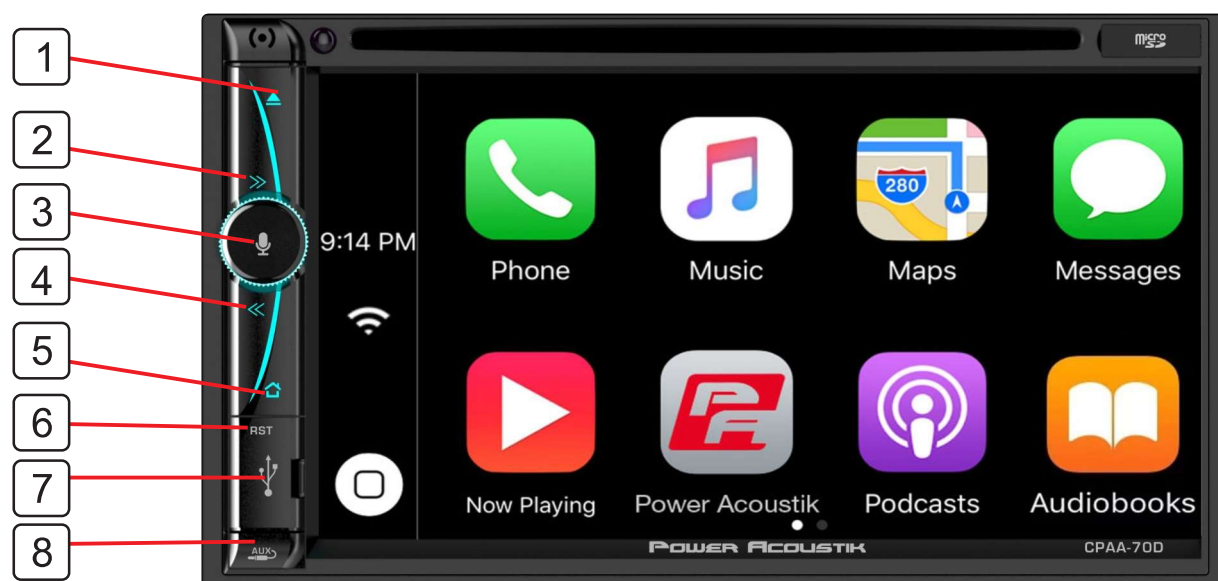


The image shows the rear panel of a Raspberry Pi 4 Model B. It features a variety of ports and connectors: two USB-A ports, a USB-C port, an Ethernet port, two HDMI ports, a 3.5mm audio jack, and a 4-pin D-sub connector for a legacy monitor. The panel is made of a dark, textured material, likely aluminum, and has a distinctive circular ventilation grille on the right side.

PIN NO.	
A	AV IN R
B	AV IN L
C	AV IN VIDEO
D	CAMERAIN
E	FRONT L OUT
F	FRONT R OUT
G	REAR R OUT
H	REAR L OUT
I	VIDEO OUT

PIN NO.	WIRE COLOR	Label Contents
1	WHITE (20AWG)	FRONT-L SPEAKER(+)
2	WHITE/BLACK (20AWG)	FRONT-L SPEAKER(-)
3	RED (20AWG)	+12V IGNITION
4	GRAY/BLACK (20AWG)	FRONT-R SPEAKER(-)
5	GRAY (20AWG)	FRONT-R SPEAKER(+)
6	NC	
7	NC	
8	NC	
9	NC	
10	NC	
11	PINK (20AWG)	REVERSE JN
12	BROWN (20AWG)	PARKING BRAKE
13	ORANGE (20AWG)	DIMMER
14	BLUE (20AWG)	POWER ANTENNA
15	YELLOW (16AWG)	+12V BATT
16	BLACK (16AWG)	POWER GROUND
17	VIOLET (20AWG)	REAR-R SPEAKER(+)
18	VIOLET/BLACK (20AWG)	REAR-R SPEAKER(-)
19	GREEN/BLACK (20AWG)	REAR-L SPEAKER(-)
20	GREEN (20AWG)	REAR-L SPEAKER(+)

3. 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)

⑧ AUX

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

4.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



Setup, to enter the Settings Menu.



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

5. Settings

Touch the  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.

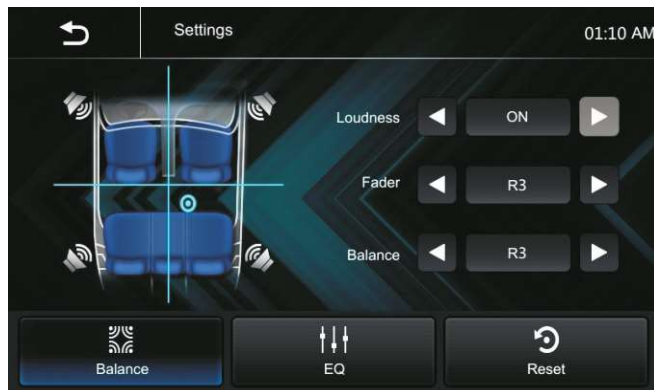


Audio Settings

Below shown is the Audio Setting Menu.



EQ setting



Balance/Fader:

Touch the + or – of Balance/Fade to tune for the driver and passenger preference.

The value of Balance (Left 15 – Right 15) and Fade (Front 15 – Rear 15)

Touch Reset to set both Balance and Fade to zero

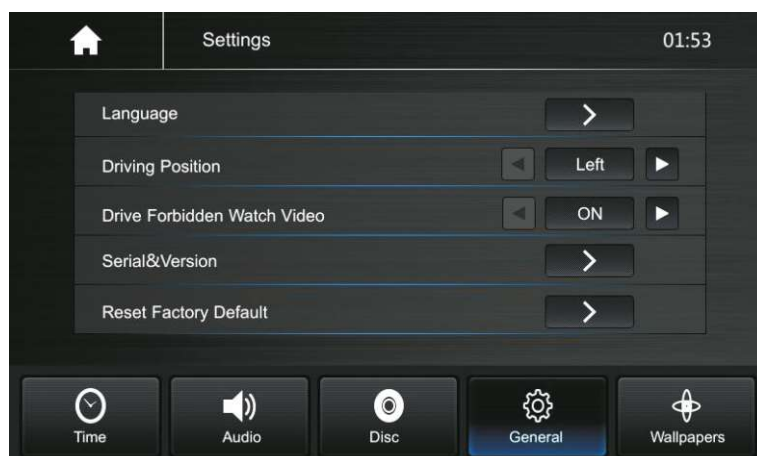
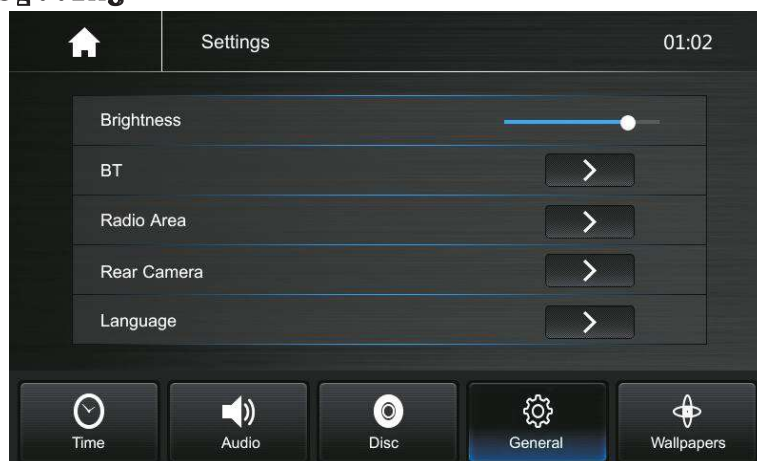


10-Band Equalizer 10 band of EQ tuning, slide the EQ bar to tune each band frequency level according to user preference. Touch Reset to set all Band to 0.

Disc setting



General setting



SWC study model



Radio Area

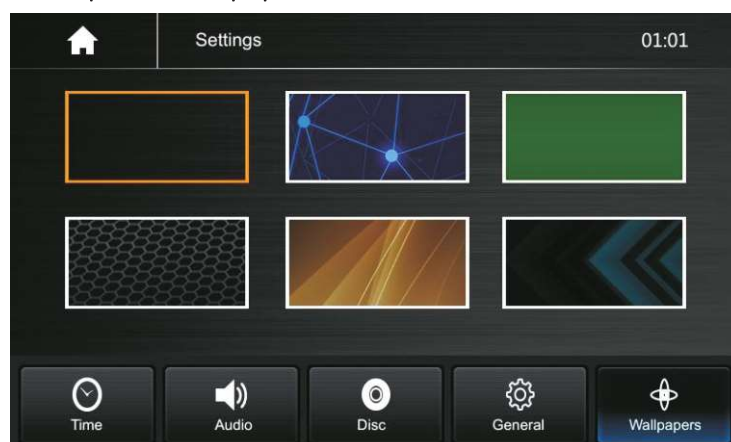


Serial & Version



Wallpaper

User can select the preset wallpaper.



Touch the corresponding picture to select the prefer background.

6. 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

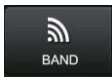
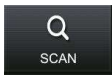
Notice: For the SIRI function in the Head unit, the Microphone has to been connected.

In CarPlay model, touch “Home/siri ” button or  icon to enter the Head unit main menu

7. Radio Mode

Touch the Radio mode icon to enter Radio mode



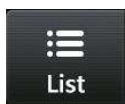
-  Touch FM1 button to select FM1 BAND
-  Touch AM1 button to select AM1 BAND
-  Touch it to select the band, FM1->FM2->FM3->AM1->AM2
-  Touch it for the Auto Scan searching.
-  Touch it to enter EQ setting
-  Touch it to select loc or Dx
-  Touch it to direct tune
-  Short touch for Tune-, long touch 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.

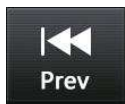
8.USB

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.



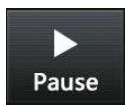
List

Press to search Audio, Video or Picture files.



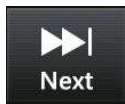
Prev

Short press it to skip to the previous track, long press it to fast reverse.



Pause

Pause/Play button.



Next

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



Shuffle

Press it to turn on/off random play.



Repeat

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



EQ

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



to browse the folder and file list of the USB driver.

Select the multimedia type



Select Audio or Music files



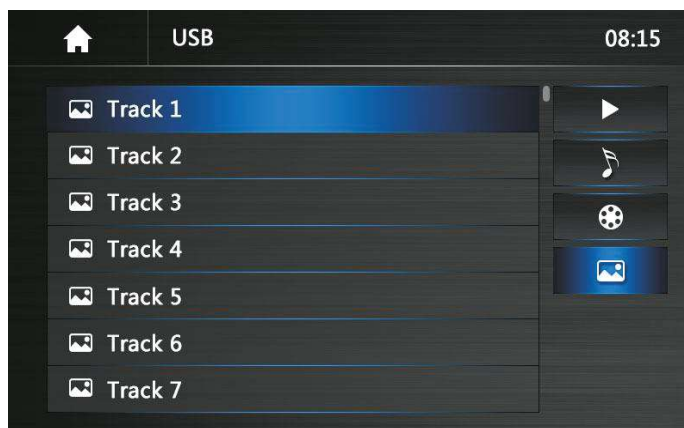
Select Movie or Video files.



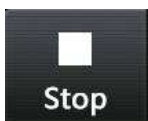
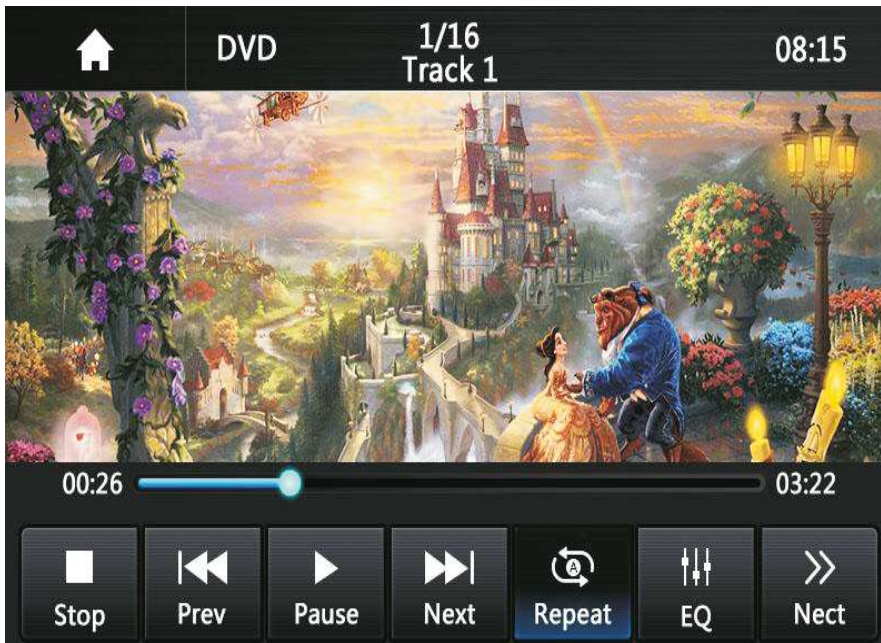
Select Picture files



Return to playing pervious file

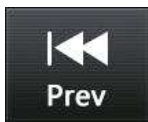


9.Disc



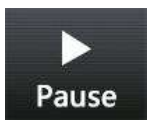
Stop

Touch it to stop the disc



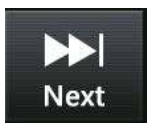
Prev

Touch it to select previous chapter



Pause

Touch it to toggle play or pause



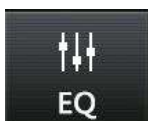
Next

Touch it to select next chapter



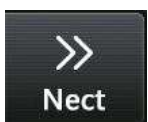
Repeat

Repeat Press it to select repeat mode



EQ

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



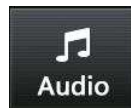
Nect

Touch it to select the second page of the keypad



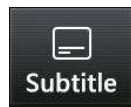
Goto

Touch it to handle goto selecting



Audio

Touch it to select audio language



Subtitle

Touch it to select subtitle language



Section

Touch it to select section



Title

Touch it to show title menu



Angle

Touch it to handle angle



Nect

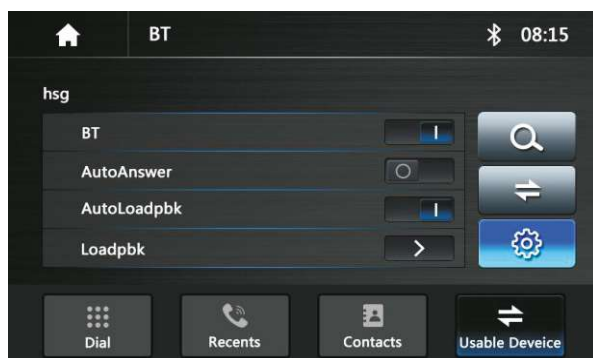
Touch it to select the first page of the keypad

10. 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.

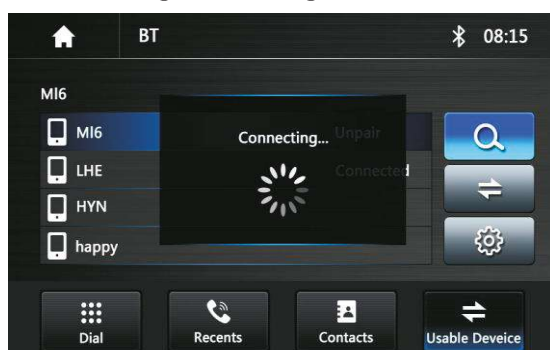


If the Bluetooth is not connected, press Reconnect to connect the paired phone or Pairing to pair the new device.



Bluetooth Pairing

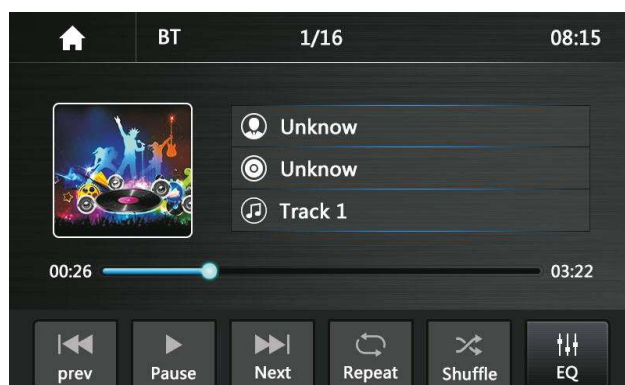
Press Pairing the Pairing Mode screen will be shown as below



Turn On the Bluetooth of the Mobile phone/Bluetooth device, you can see the CPAA-70D.

Select the CPAA-70D for pairing and connection

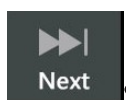
Bluetooth Audio Playback



Short press it to skip to the previous track.



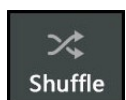
Pause/Play button.



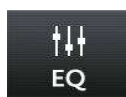
Short press it to skip to the next track.



Repeat, press for select between Repeat All, Repeat One or Repeat Directory



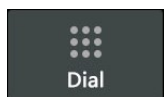
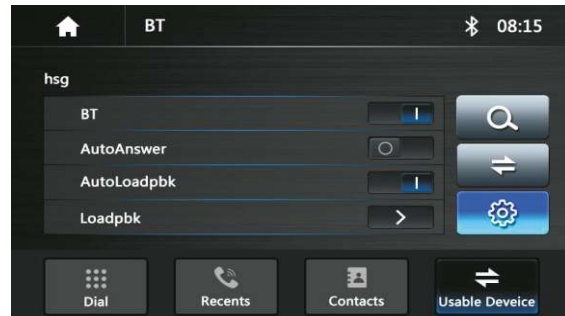
Press it to turn on/off random play.



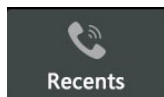
Press it to turn on/off the Audio Settings menu to adjust the EQ.

11. BT Phone

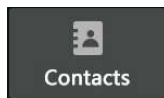
Touch the Phone icon in main menu to go to Phone mode. After the phone connected with the Head Unit via Bluetooth (HFP), user can through the Head unit to make a phone call. Please note it needs to connect the microphone for phone call.



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

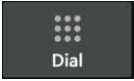


Search the available device

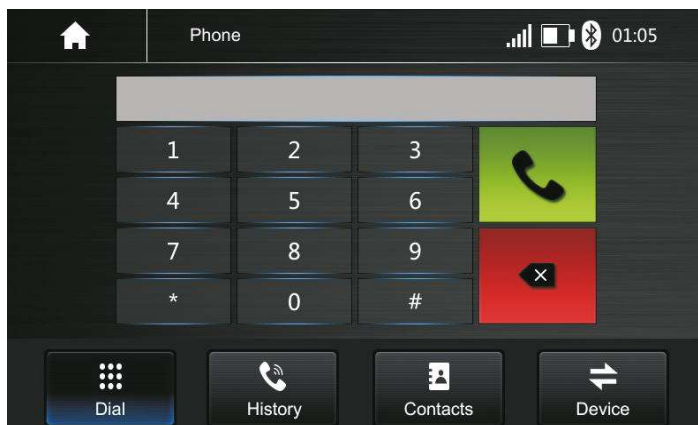


Manage the connected device

Dial a Call

1. Touch the  icon to the above screen will appear.
2. Using the keypad, touch 0-9, *, #, to enter the phone number you wish to dial. If you enter 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 back dialing interface, touch the return icon at the upper right corner of the screen.



4. To end the call, touch the  on the screen



Receive an incoming Call

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



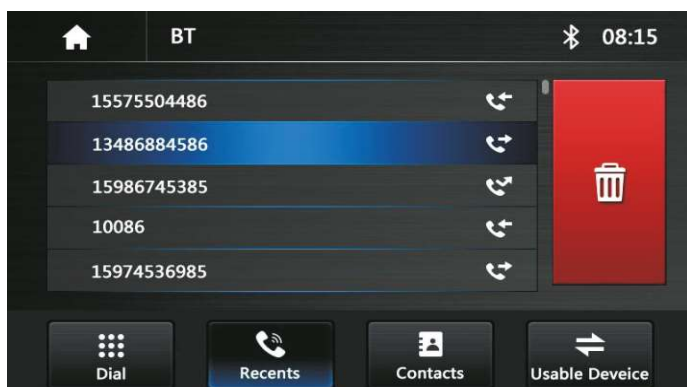
Press  to receive the Call or  to hang the call

-  Interchange between phone and head unit
-  ON/OFF the Microphone function
-  Display the Dial Pad



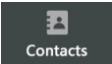
Call Logs

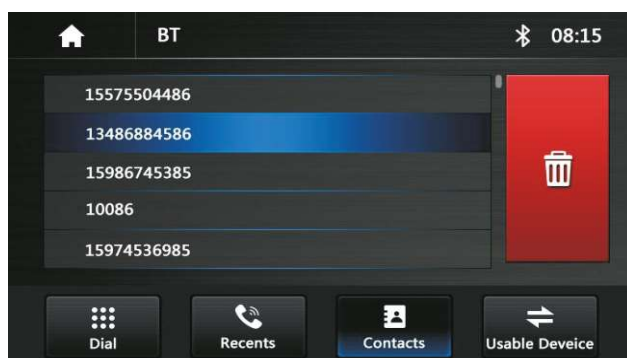
Touch the  icon to display the Call Combined list.



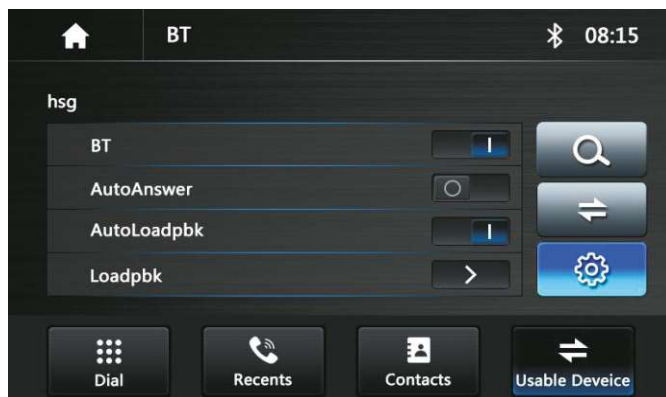
Slide the bar at right side up and down to display a Call logs up to 20 records.

Contacts

Touch the  icon to access the phone book of the connected 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

12. AUX 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.

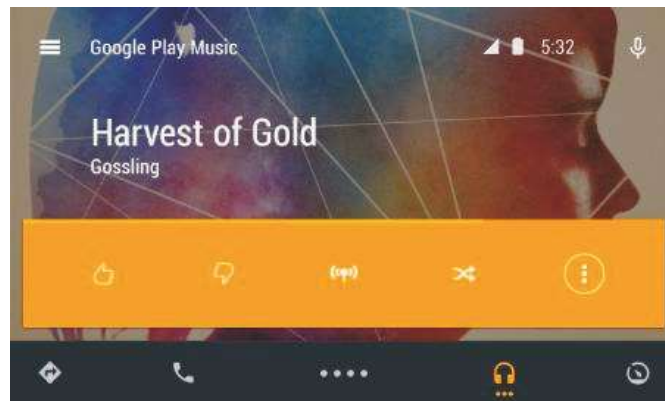
touch  to view the playing Audio/Video.



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

13. Android Auto

The NA6605 have the Android Auto function to allow the Android 5.0 or above smartphone display on the Head unit screen.



Install Android auto

User need to install the Android Auto App to the Android phone. When the Android phone first time connected to the NA6605 via USB, the phone will show a website link to download the Android Auto application pack from Google Play. Download and install the apk file on the Android phone. After installed the Android Auto, the Android phone can use the Android Auto function.

Connection

Connect the Android phone and head unit via USB cable, the Android phone display will be shown on the Head unit screen. User also allows using the touch panel of the head unit to control the Android phone.

14. Specification

General

Power Supply	DC10~16Volts
Grounding System	Negative Ground
Current Drain	15A(Max.)
Power Output	4×40W/channel(Max.)
Speaker Impedance	4~8ohms per channel
Frequency Response.....	20Hz~20KHz
Operating Temperature	-20~+60°C
Dimensions	175mm(W)×175mm(D)×100mm(H)

TFT Display

TFT Screen size.....	6.2inch
Resolution.....	800×480 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

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.

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.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.