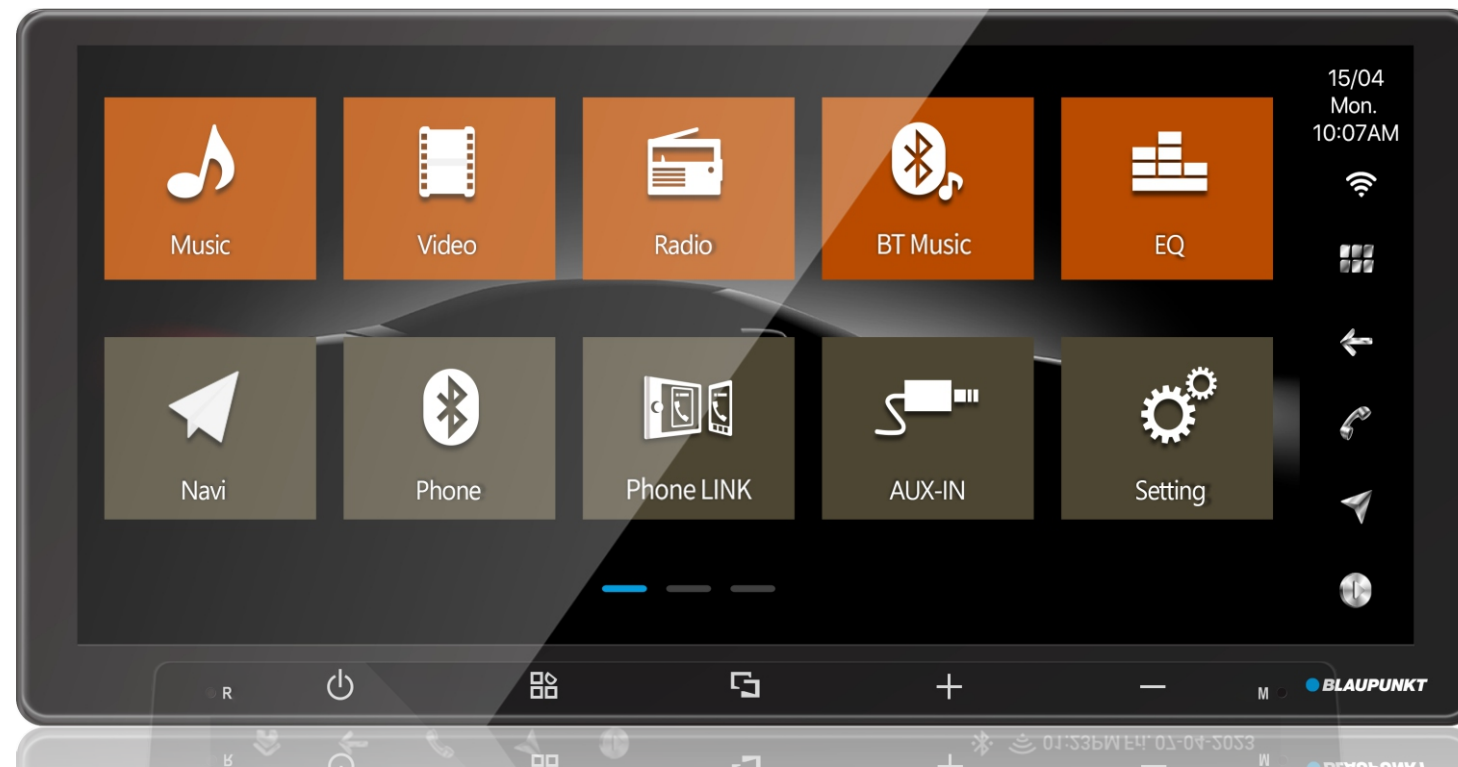




CAR MULTIMEDIA

SANTA ROSA 985 - 10.33 (4+64)



Enjoy it.

Operating instructions

NOTE: Please do not watch videos or use other Apps while the vehicle is in motion. Doing so, is a safety violation. To watch videos or use Apps, please ensure that the vehicle is in parked mode with handbrake activated. Please check compatibility Of the device with your mobile phone before purchase. New phone software versions in the future may or may not be compatible with the device. In-Warranty replacement will not be applicable for non compatibility Of the mobile phone with the device.



Panel



Home Menu



Radio



Music Playback



Video Playback



Photo Playback



Bluetooth



PhoneLINK



AV In



Sound Effect



File Manager



Theme



Cameras



CANBUS



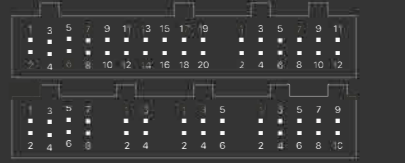
Settings



Carplay



Android Auto



Installation



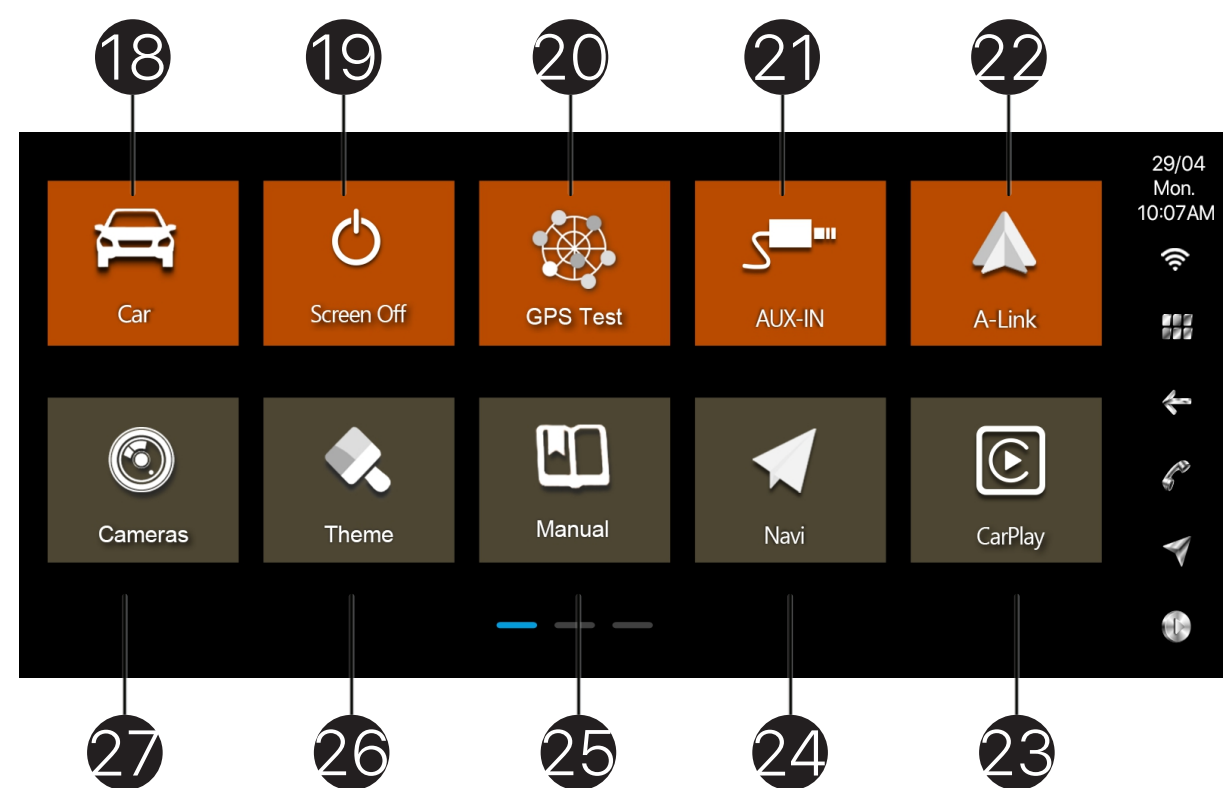
The head unit features a brilliant capacitive display with a high-end tuner

1. Internal microphone
2. Reset button. System reset
3. Power/Mute button
Short Press: Turn on device, Mute Audio;
Long Press: Device Power OFF;
4. Home button. Go to home menu
5. Back button. Back to previous menu
6. Volume increase
Short Press: Increase volume in single step;
Long Press: Volume Up;
7. Volume decrease
Short Press: Decrease volume in single step;
Long Press: Volume decrease;

More ways change Volume:

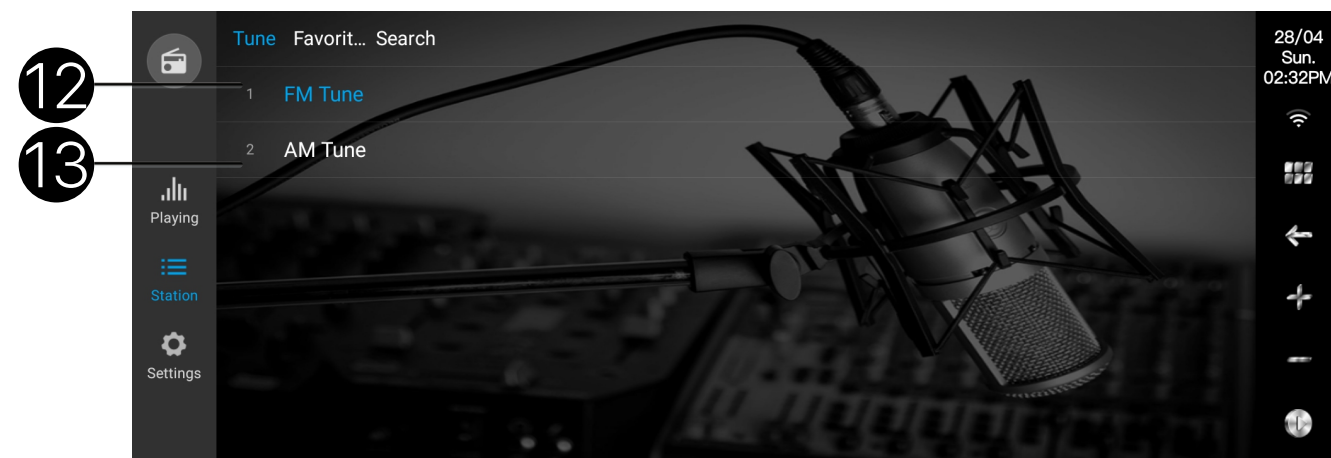
1. Drag left and right on volume control bar;
2. Touch top right side to display system menu, Drag up and down Media bar;
3. Short or Long press SWC Volume+ / Volume- button;

Keep pressing touch screen more than 5 seconds with 5 fingers will start to calibrate and reset panel buttons.

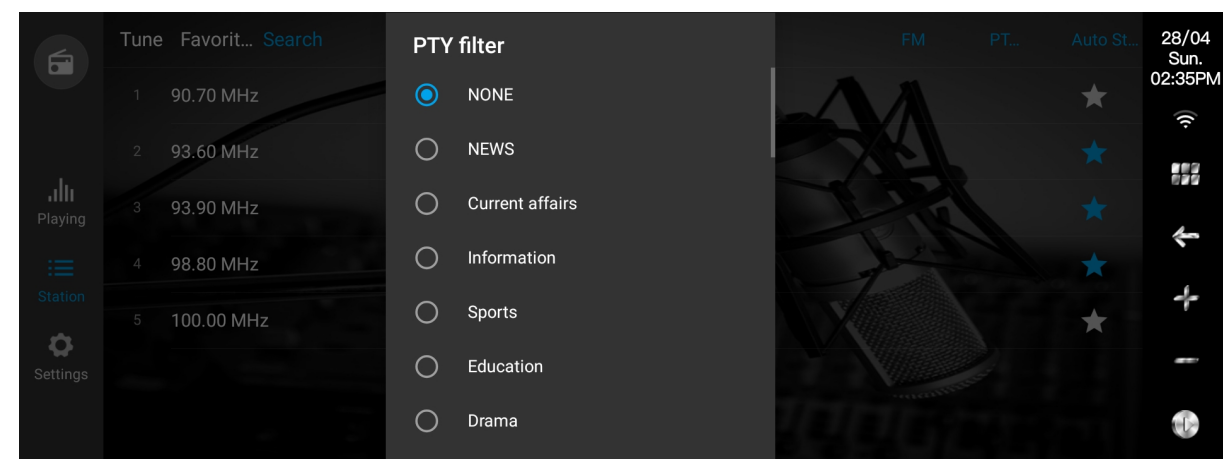


1. Enter Music playback menu
2. Enter Bluetooth Music playback menu
3. Enter Video playback menu
4. Enter Sound Effect settings menu
5. Enter File Manager menu
6. Enter System Control menu for quick access to system settings including Brightness, Volume, Bluetooth, Wi-Fi NO/OFF, Mute, Screen Off, System Reboot, Turn On screensaver, Night Mode ON/OFF, take Screenshot
7. Back to Home menu
8. Back to previous menu
9. Increase Volume
10. Decrease Volume
11. Media playback shortcut. Access last Source menu Enter Bluetooth menu
12. Enter Photo playback menu
13. Enter PhoneLINK menu
14. Enter System Settings menu
15. Drag left or right on screen for previous/next page
16. Enter Bluetooth menu
17. Enter Radio menu
18. Enter CANBUS settings menu. This setting is only to be used at the time of installation of device. Incorrect settings may cause some functions to not work. Please seek assistance from the Technical Service team if necessary
19. Turn OFF screen, Device continues to work in the background
20. Check GPS signal status
21. Enter AUX-IN menu

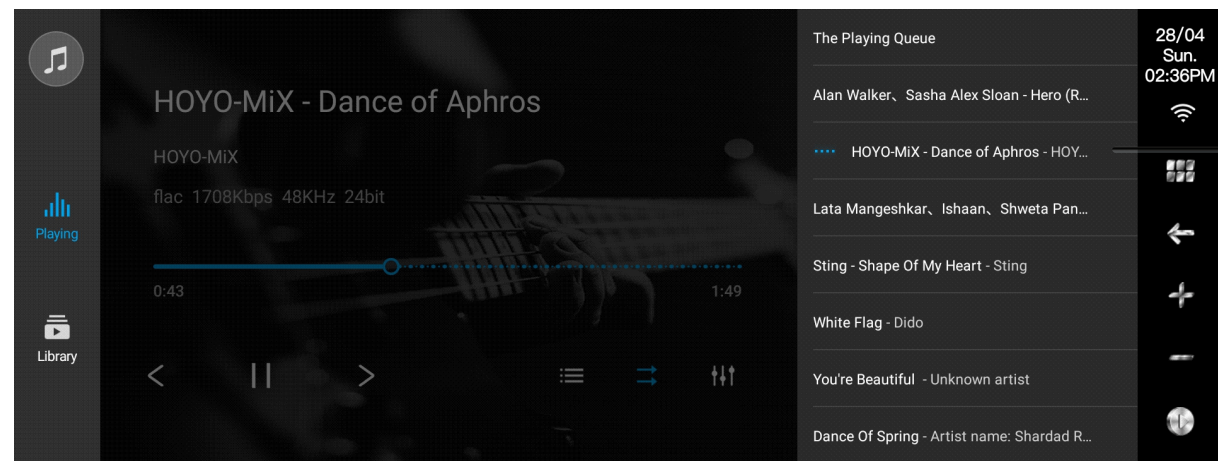
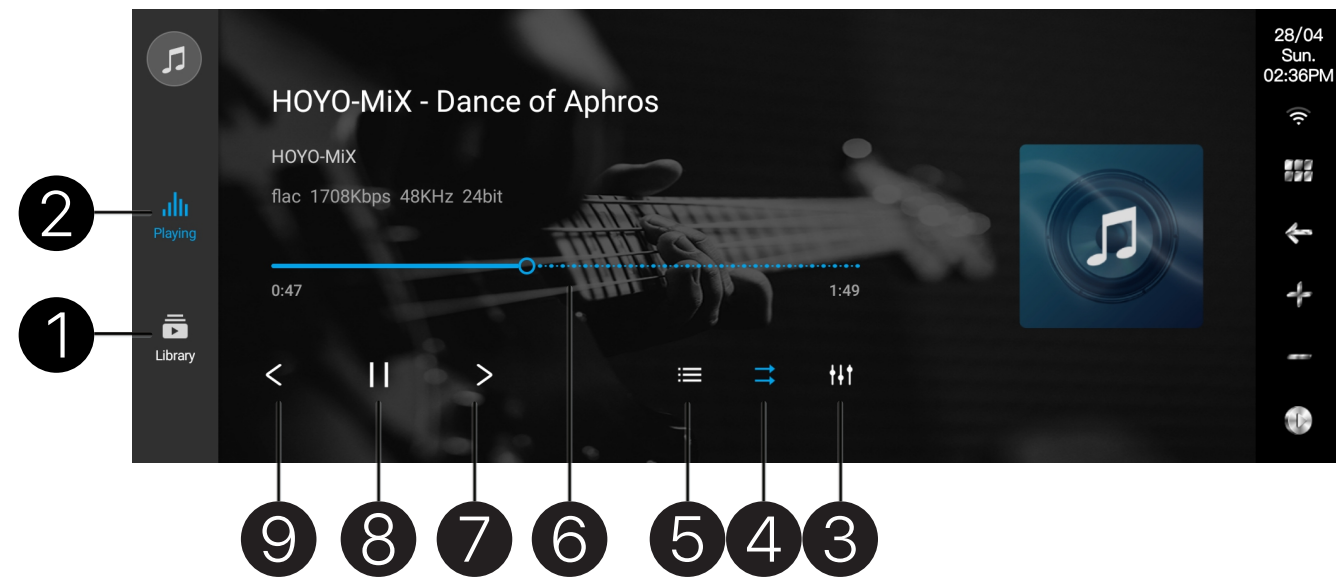
22. Enter AndroidAuto menu
23. Enter Carplay menu
24. Enter Navigation menu
25. Enter E-Manual
26. Enter Theme menu
27. Enter Cameras menu



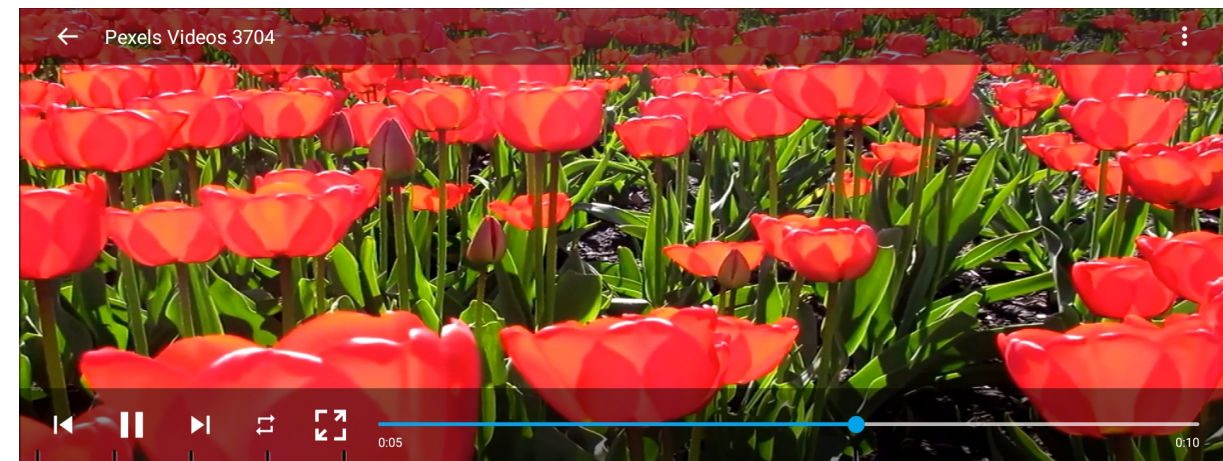
1. Enter radio settings menu
2. Enter radio source menu
3. Enter radio playing menu
4. Frequency bar, drag left or right can change radio frequency. This bar will not have when playing favorites or searched stations list
5. Enter equalizer menu
6. Input frequency by manual
7. Save or delete the current frequency to favorites list
8. Auto store. Click this icon will start scan and save value stations into seek list
9. Next key and [11] Previous key
 On tune playing menu, this key for search and stop to play next value station;
 On Favorites and Search playing menu, this key for next station;
10. Play/Mute radio
12. Enter FM playing menu
13. Enter AM playing menu
14. Enter favorites stations list
15. Delete favorites station from list



16. Enter saved stations list. Select station to enter playing menu. On this playing menu Next/Previous button and SWC button only for Next/Previous station, can not support frequency scan;
17. Select band for auto store staion
18. RDS PTY filiter settings
19. Start to search and save value stations to search list
20. Add/delete station from favorites list
21. Radio sensitivity setting
22. RDS On/Off
23. RDS AF On/Off. AF on, radio will change to other better signal frequency automatically for better receive. This function just works on the radio broadcasting support AF function, others will not change frequency;

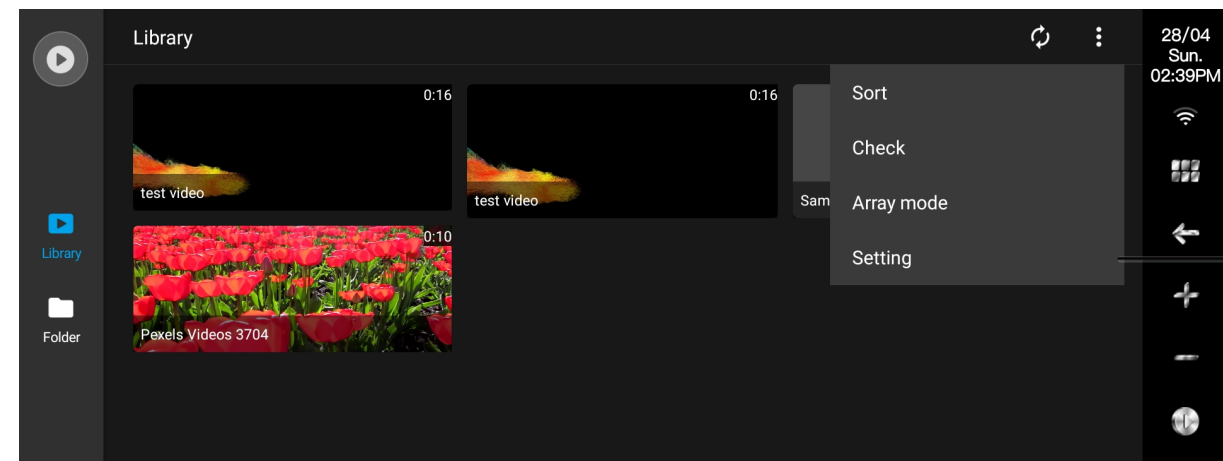


1. Enter music file Library menu
2. Enter Playing menu
3. Enter Equalizer settings menu
4. Setting Repeat all, Repeat One, Shuffle playback, Play all
5. Show playing list
6. Drag this bar change Elapsed time
7. Next Track
8. Play/Pause
9. Previous Track
10. Play Music File
11. Music Files classified according external Folders path
12. Music Files classified according internal Folders path
13. Scan all Music Files and update to playlist

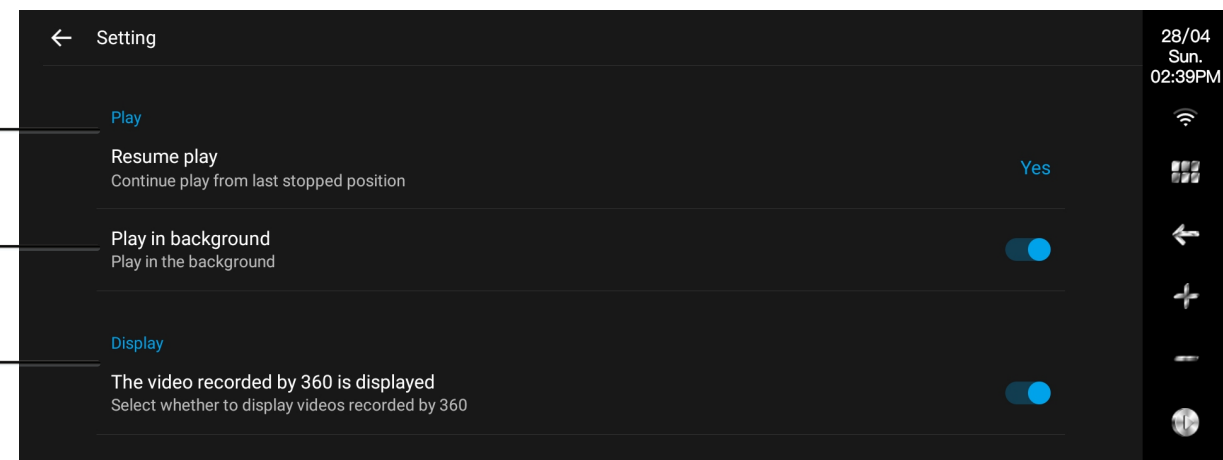


6 5 4 3 2

1



7



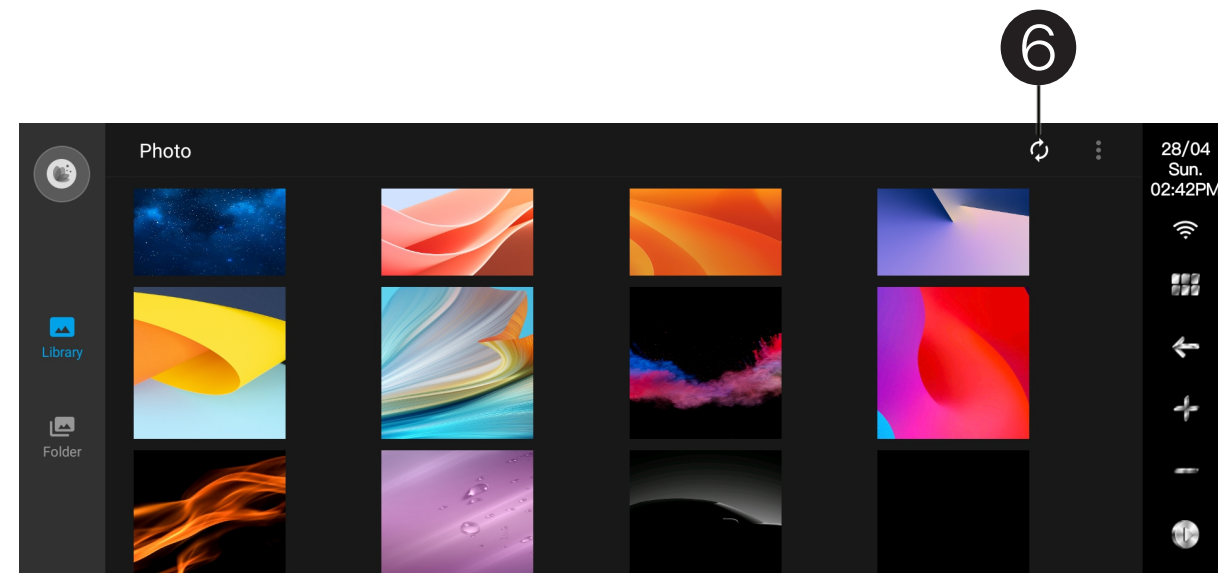
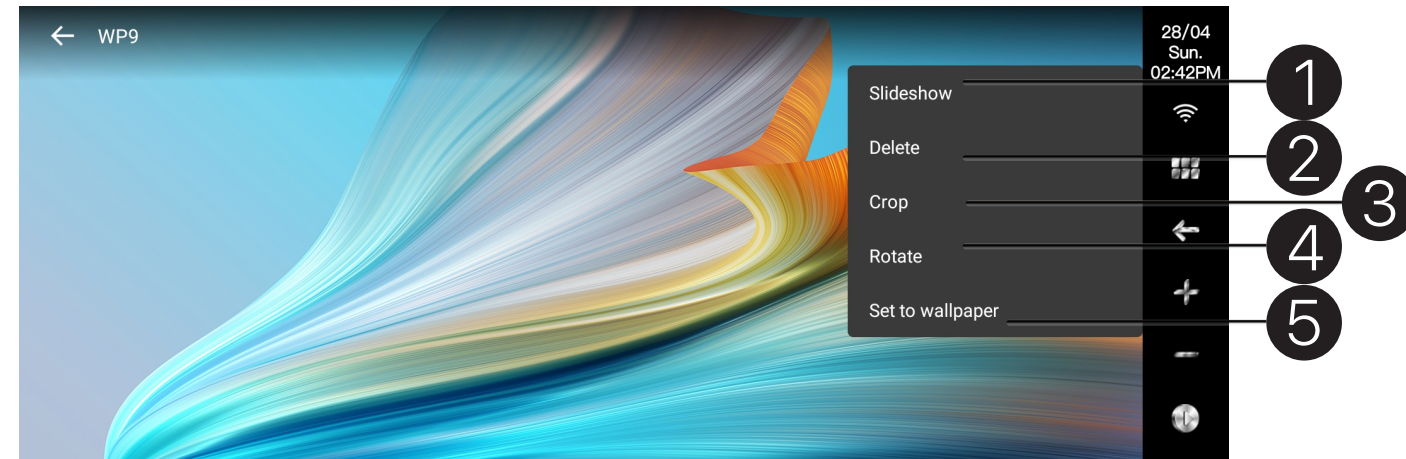
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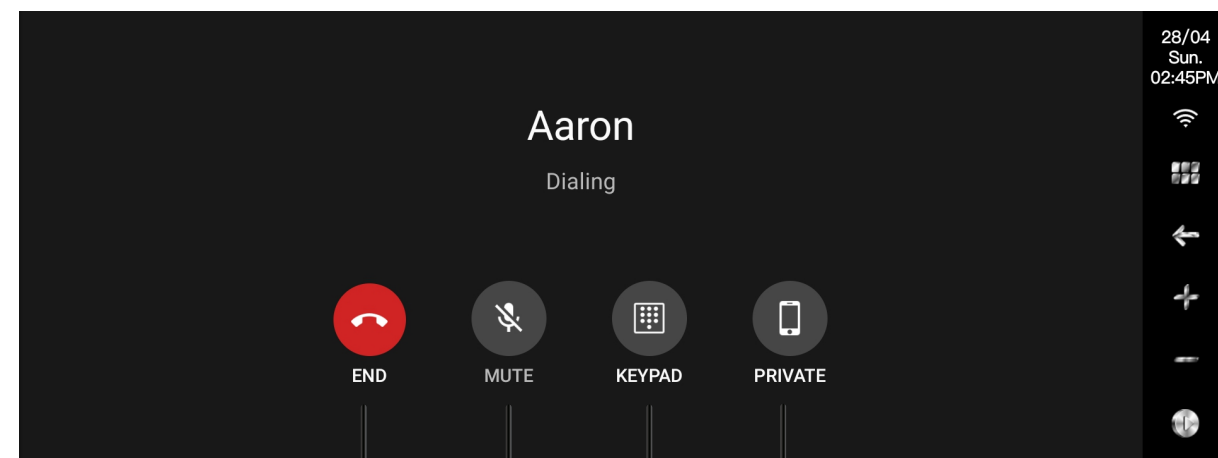
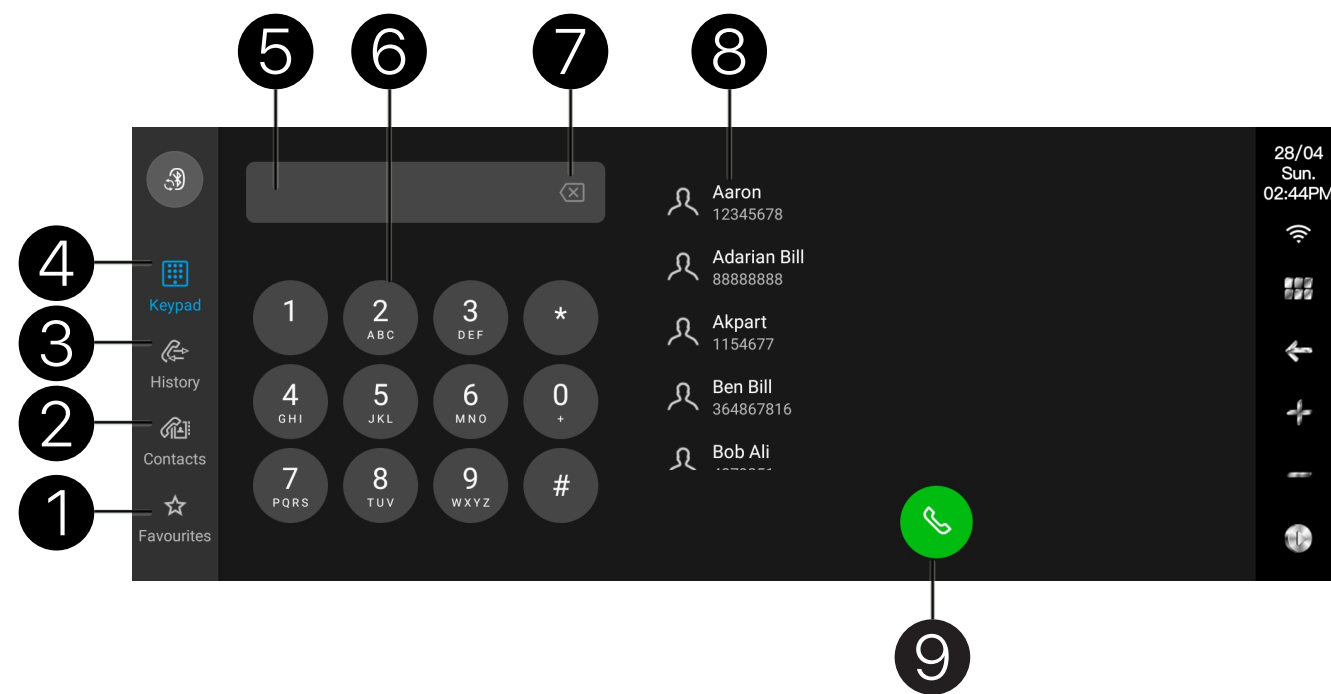
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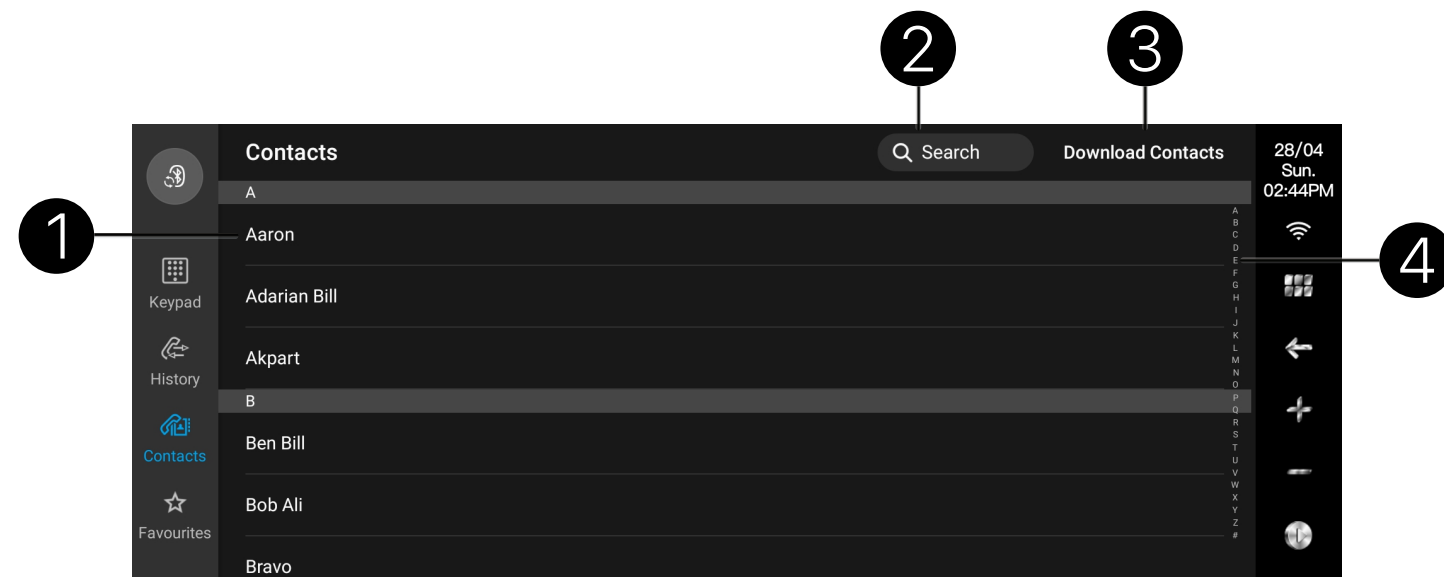
1. Drag left or right on this bar or progress bar to move within the file
2. Setting display ratio: 1:1, 16:9, 4:3, Full screen, Auto
3. Play mode: Play once, Repeat current file, Repeat all
4. Next
5. Play/Pause
6. Previous
7. Video playback settings
8. 360 display:
 - ON: 360 AVM recorded video files can be played
 - OFF: 360 AVM recorded video files will not be played
9. Play in background:
 - ON: Video continues to play in the background;
 - OFF: Video stops playing once application has been moved to the background
10. Setting for Video Playback:
 - Resume Play-Yes: Start Playback from last stopped point
 - Resume Play-No: Start Playback from beginning
 - Check at Start-Up: Show selection menu

1. Slideshow: Each photo is displayed for 3 seconds as a Slideshow
2. Delete: Delete Photo file from storage. A file can not be restored once deleted
3. Crop: Edit photo
4. Rotate: Rotate display Photo
5. Set as Wallpaper: Set current photo as system Wallpaper
6. Scan and update Photo files

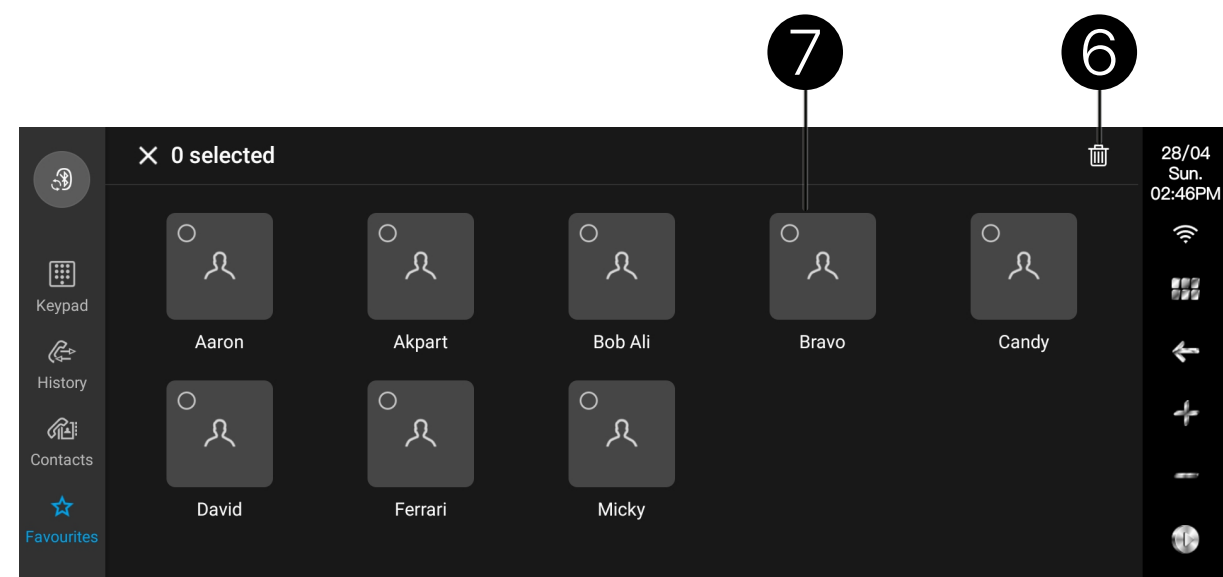
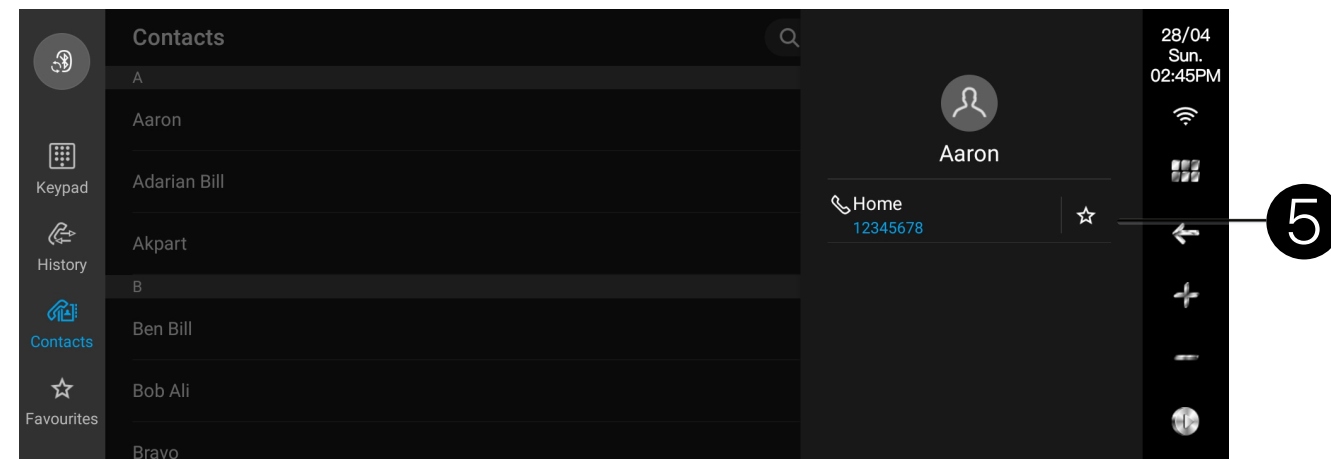




1. Favorite contacts
2. Phone Book
3. Call History
4. Keyboard
5. Input Number
6. Numeric Keypad
7. Delete Input
8. Contacts. Touch a contact on screen to dial out
9. Dial out/Confirm input number
10. Transfer phone call between car infotainment and mobile phone
11. Display numeric keypad for additional input
12. Mute microphone during a conversation
13. Cancel dialing / Reject incoming call
14. Click Contacts List for dialed numbers
15. Call history. Click [▾] to display Call History or Display Missed Call list
16. Update Call History from mobile phone
17. Click [☆] Add Contact to Favorites list



1. Touch contact to dial out or add to Favorites
2. Search Contact-letters or numbers
3. Download Phone Book
4. Touch right side letters to display priority contacts or matched contacts
5. Add or delete this contact to favorites list
6. Delete selected contacts from favorites list
7. Long press contact for select



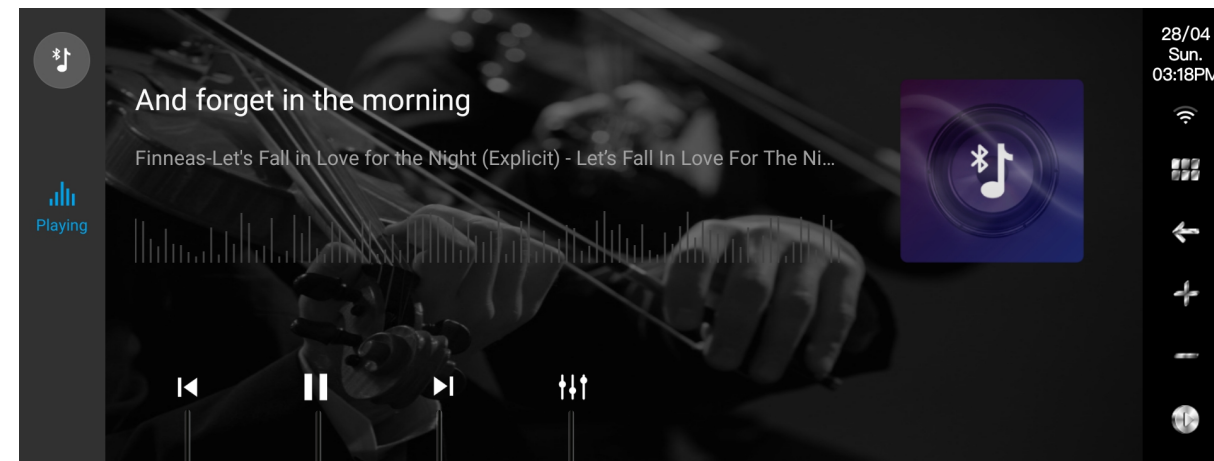
Select [BT Music] on home menu to active BT streaming

1. Enter Equalizer setting

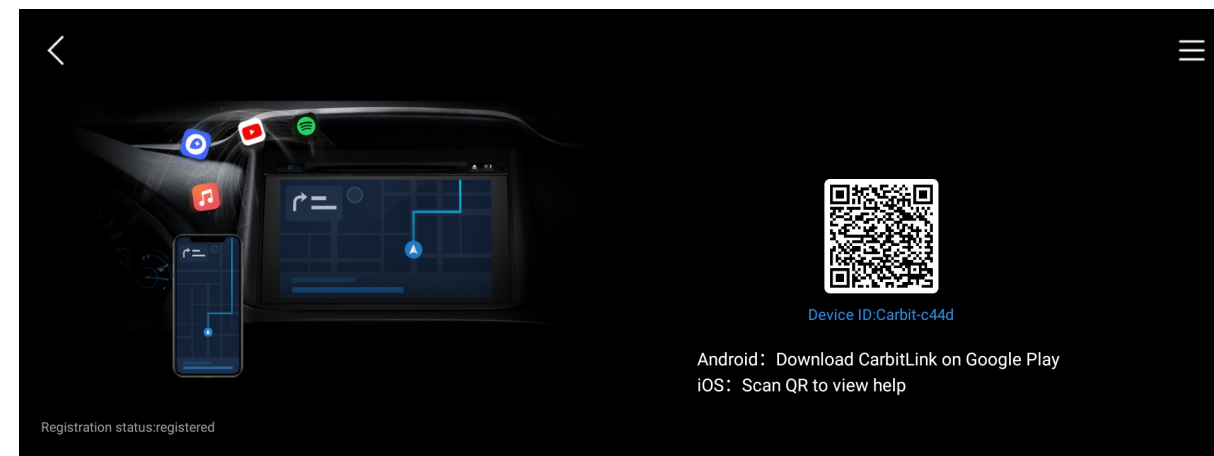
2. Next

3. Play/Pause

4. Previous



4 3 2 1



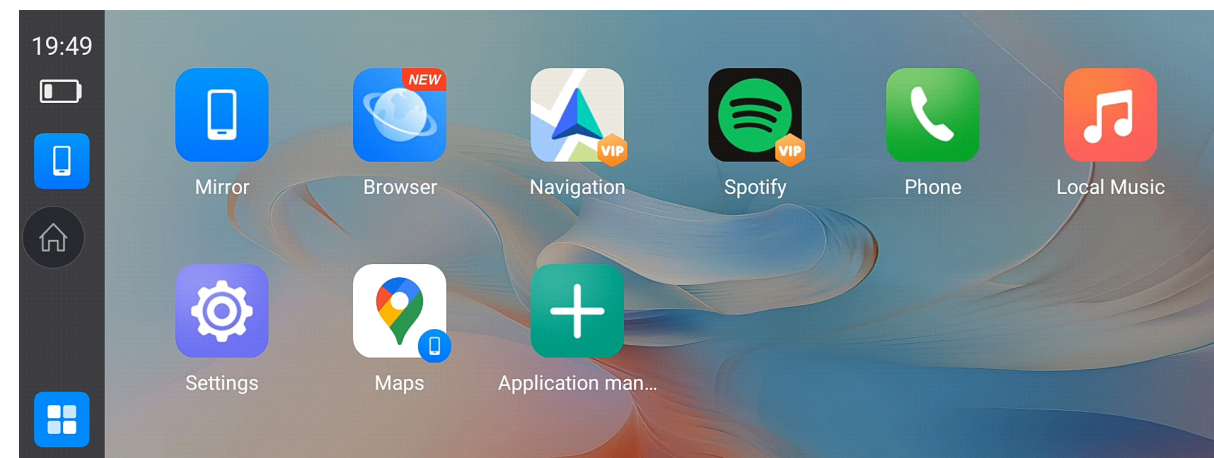
1. Scan QR code for download and install EasyConnect application in the mobile phone

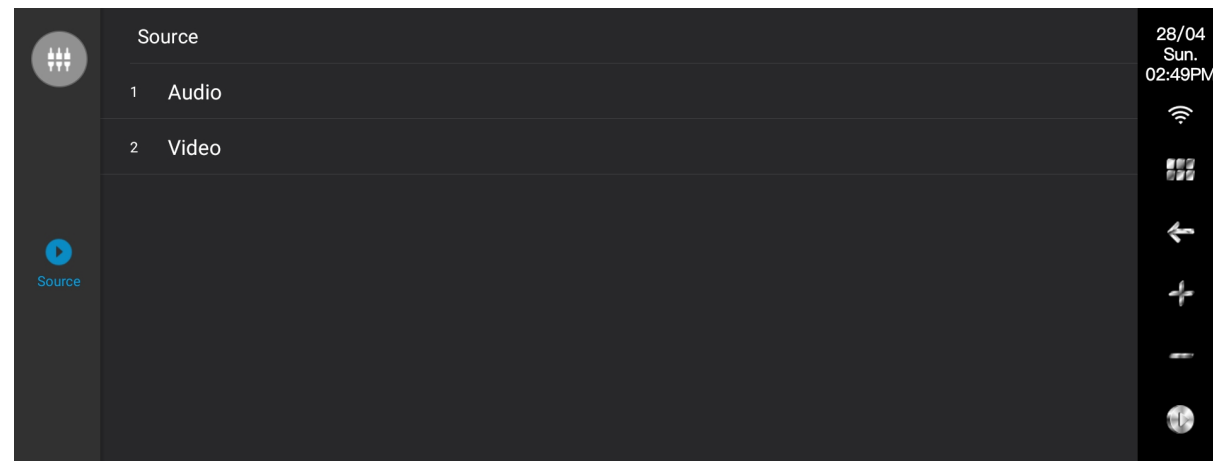
2. Share Hotspot from mobile phone to the device

3. Click PhoneLINK on the home menu to connect mobile phone to the device

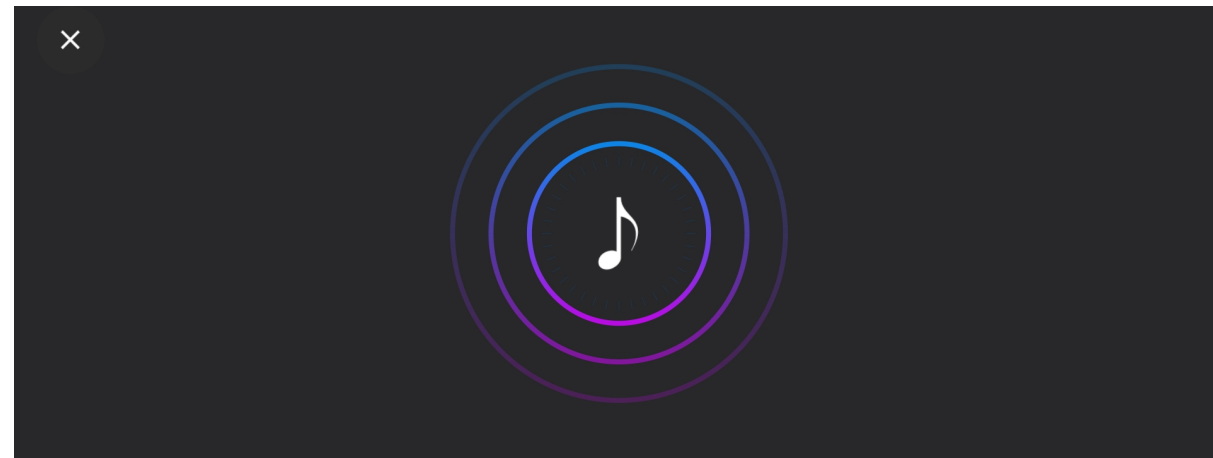
4. Connect mobile phone with USB cable and open the app

5. Enjoy PhonLINK

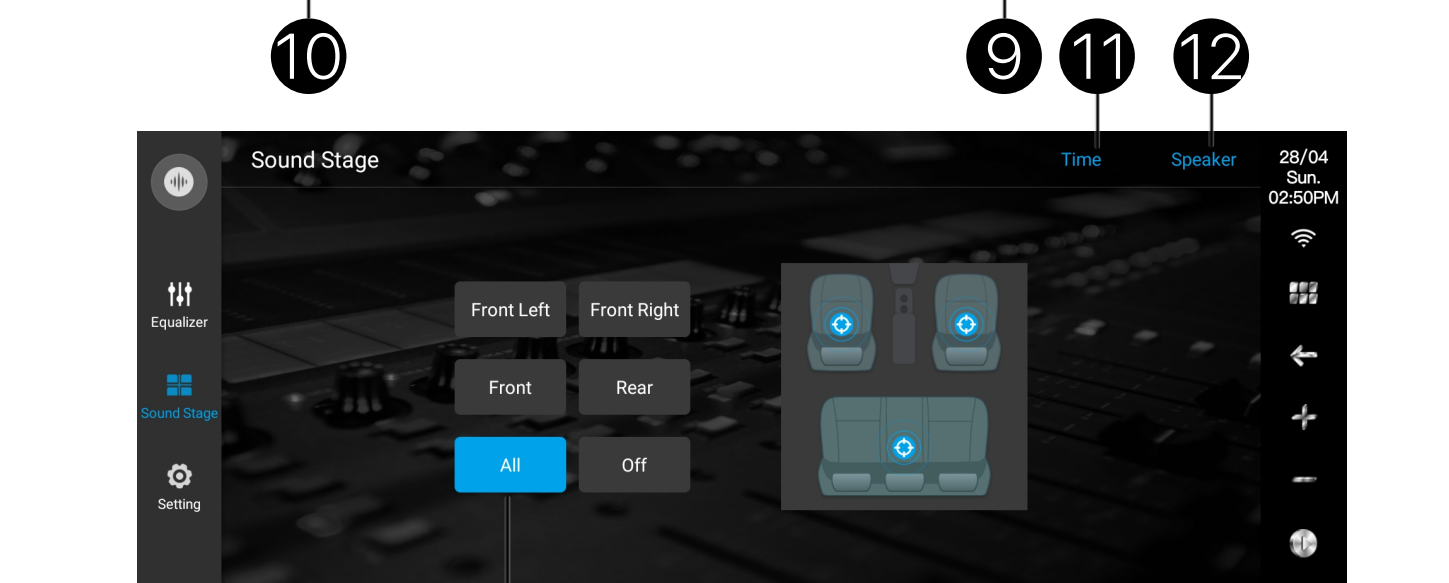
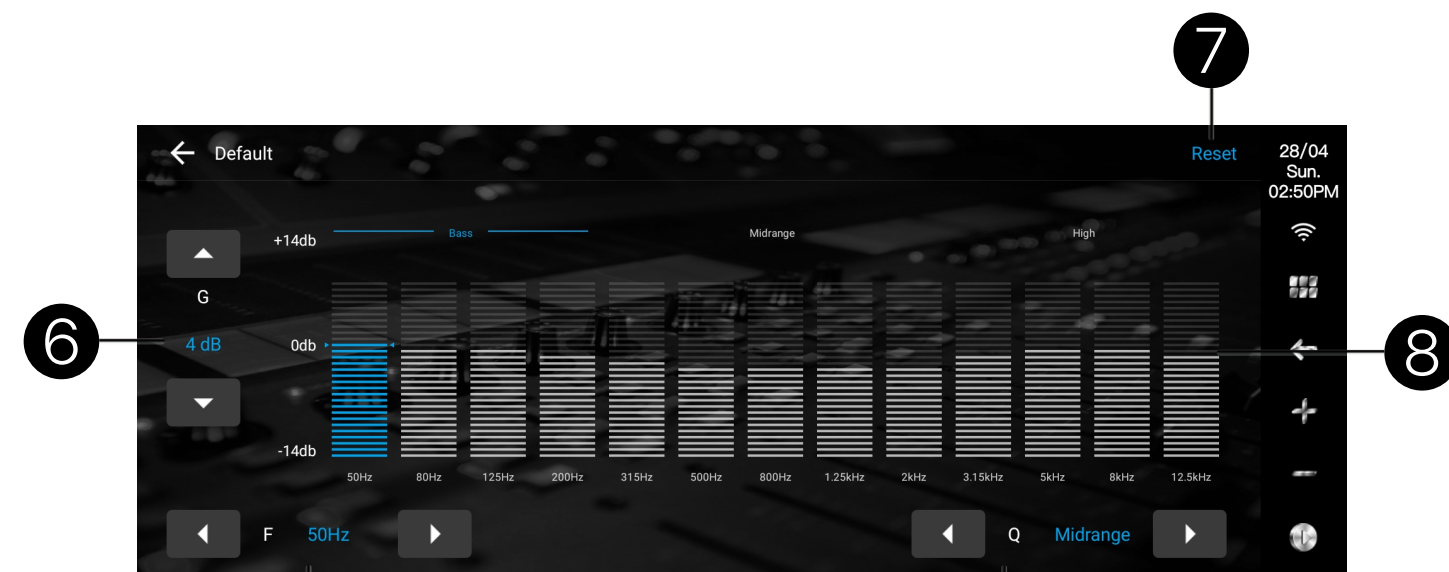
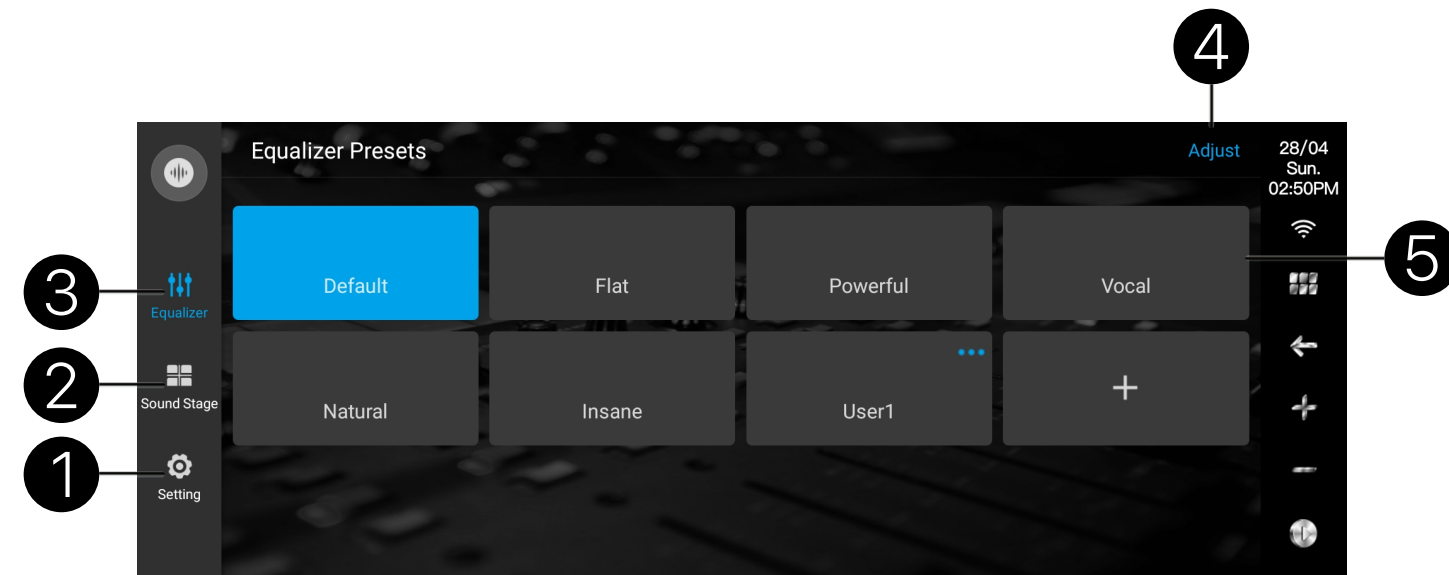




1. Touch [AV-IN] on the HOME menu to start AUX-IN playback
2. For Audio connect a Stereo 3.5mm cable to the Input port, For Video input, connect via the RCA ports provided in the rear of the radio
3. Audio and video quality depends on the source, It's recommended to input high quality video and audio for best results



Sound effect have DSP or ASP depends on model's configuration. Please see ASP settings.



1. Enter Additional Settings menu

2. Enter Sound Stage menu

3. Enter Equalizer setting menu

4. Enter individual frequencies setting menu

5. Equalizer pre-sets

6. Change each individual frequency gain levels:

Press [8] to select a frequency - Press [10] horizontal arrow to toggle between frequencies;

- Press [6] vertical arrows to increase or decrease the gain level of the selected frequency;

Press [5] and [+] to add the EQ settings for quick access. Each user setting can be saved as pre-set

7. Reset all items of this menu to default settings

8. Individual Frequency Setting status

9. Q value setting - Can be set up to Narrow/Mid/Wide

10. Select the individual frequency to increase or decrease levels

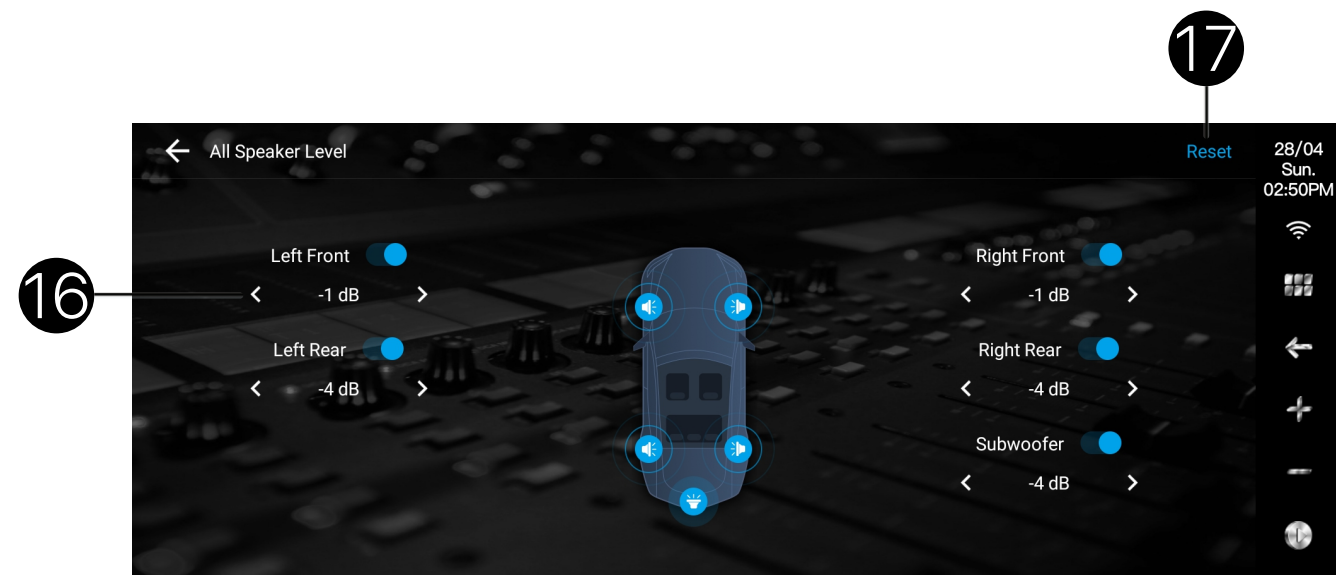
Factory pre-set EQ curves can be changed by adjusting individual EQ frequencies to suit user listening Press [7] to return pre-set EQ curves to factory default settings;

Sound stage can be set up for Driver, Passenger or ALL; In the stage menu user can select a seat position as default. User can then adjust time alignment and individual channel levels to suit the in-cabin listening environment;

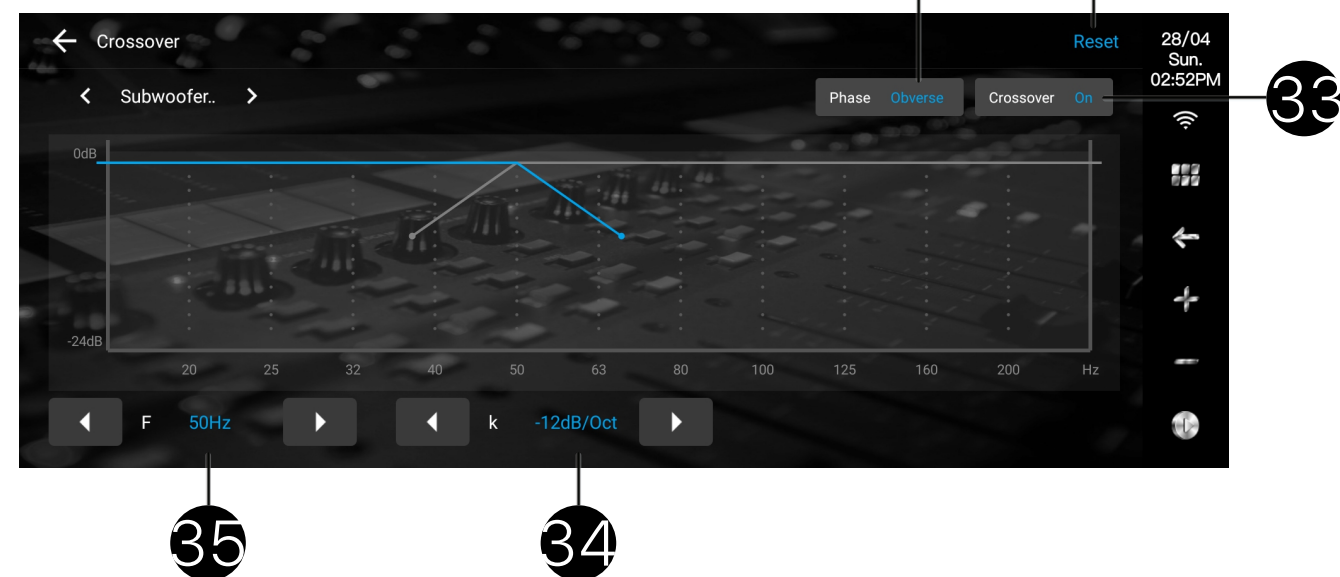
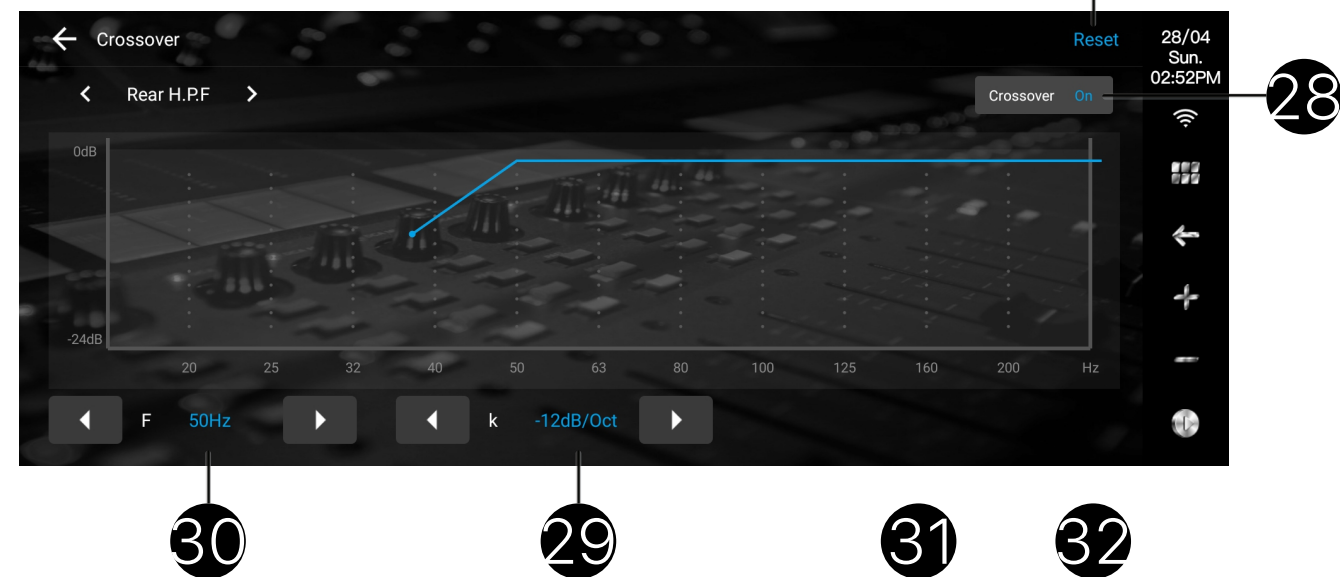
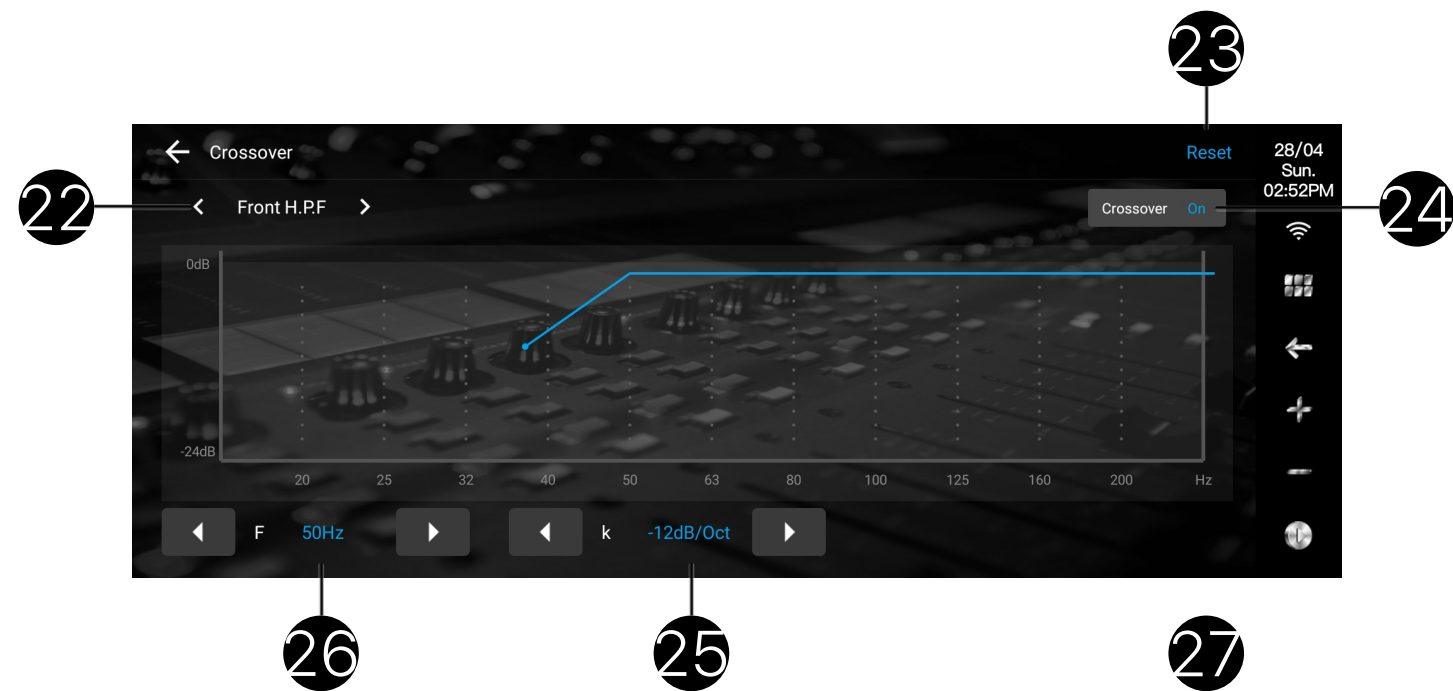
11. Time alignment adjustment

12. Speaker channel gain levels adjustment

13. Seat position select

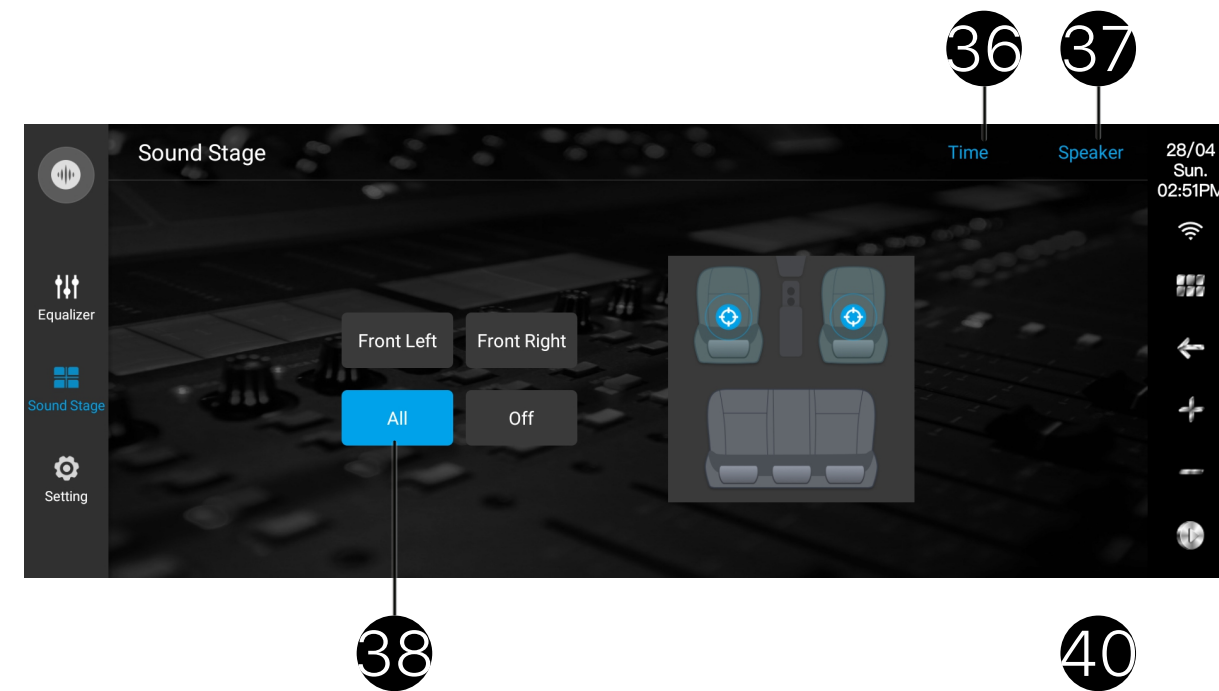


14. Press arrow to change each channel for the perfect time alignment
15. Reset all channels to factory default setting
16. Press arrow to setting each channel gain
17. Reset all channels to factory default setting
18. To Set up RCA outputs for 2 Channel or 3-way
19. Enter Crossover menu for HPF/LPF settings
20. Loudness On, all channel outputs are enhanced
21. Subwoofer ON/OFF



22. Select Front HPF, Rear HPF, Subwoofer LPF
23. Reset Front HPF to default settings
24. Front HPF Crossover ON/OFF
25. K Value setting
26. Frequency setting
27. Reset Rear HPF to default settings
28. Rear HPF Crossover ON/OFF
29. K Value setting
30. Frequency setting
31. Subwoofer Phase setting
32. Reset Subwoofer LPF to default settings
33. Subwoofer LPF ON/OFF
34. K Value setting
35. Frequency setting

System supports 4.2 channels output, it could be setup to normal mode or 3-way mode



36. Enter time alignment settings menu

37. Enter speaker channel settings menu

38. Seat position select

39. Press arrow to change each channel for the perfect time alignment

40. Reset all channels to factory default setting

41. Press arrow to setting each channel gain

42. Reset all channels to factory default setting

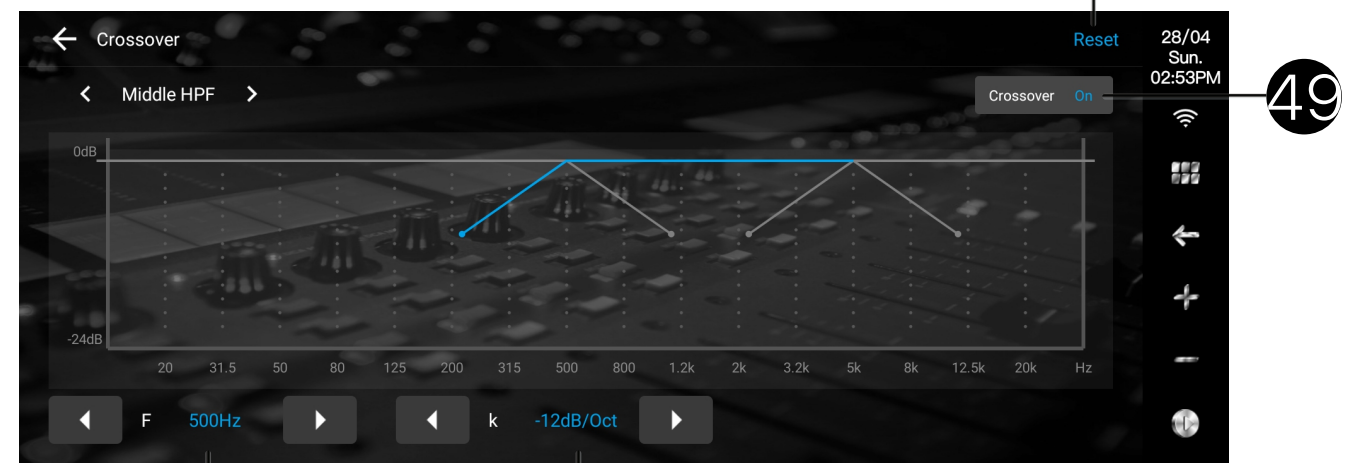




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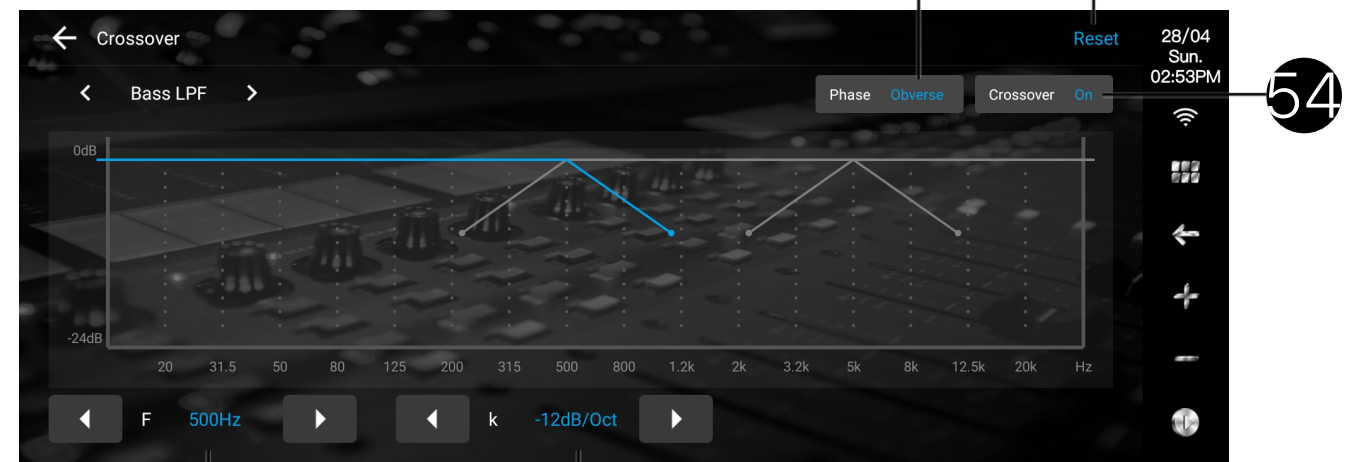


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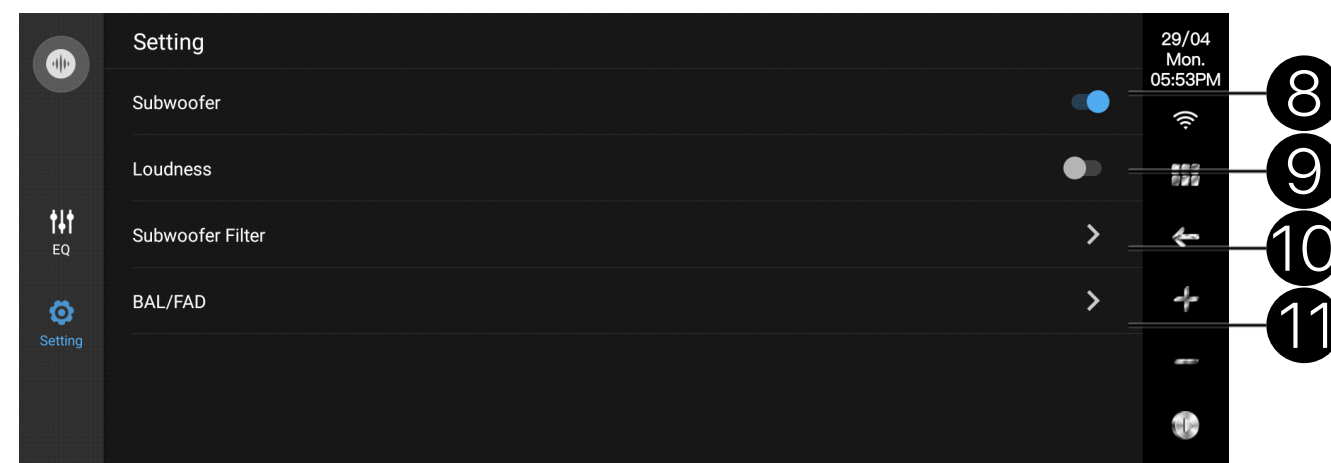
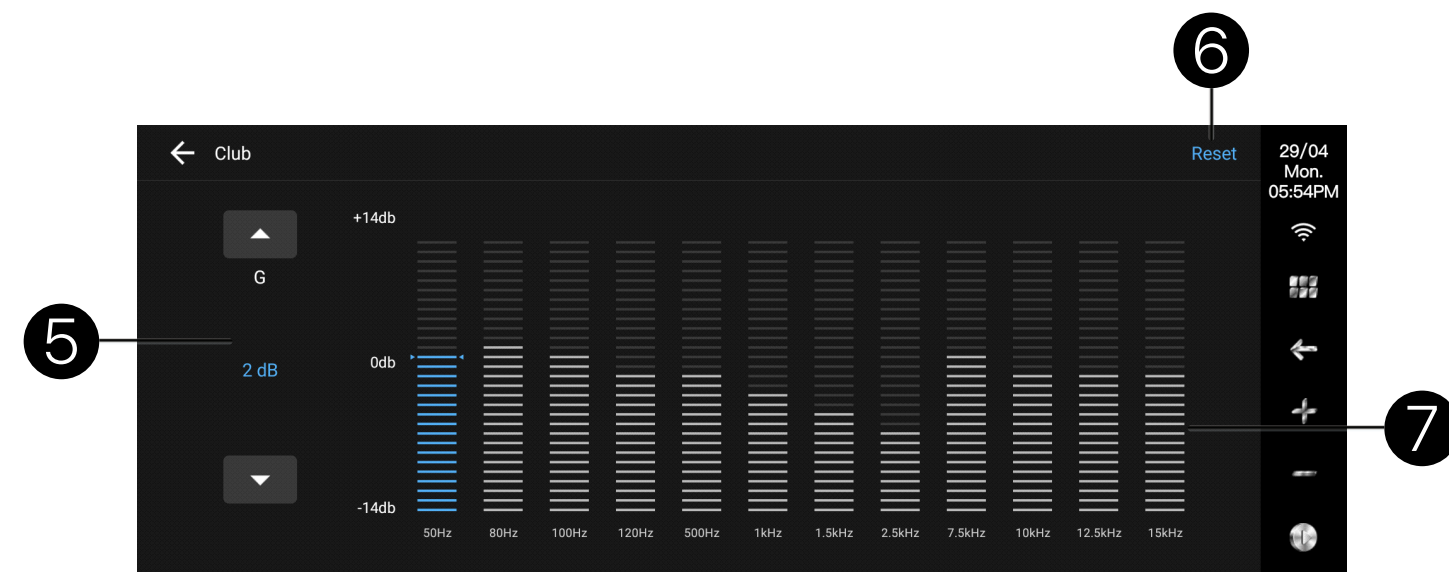
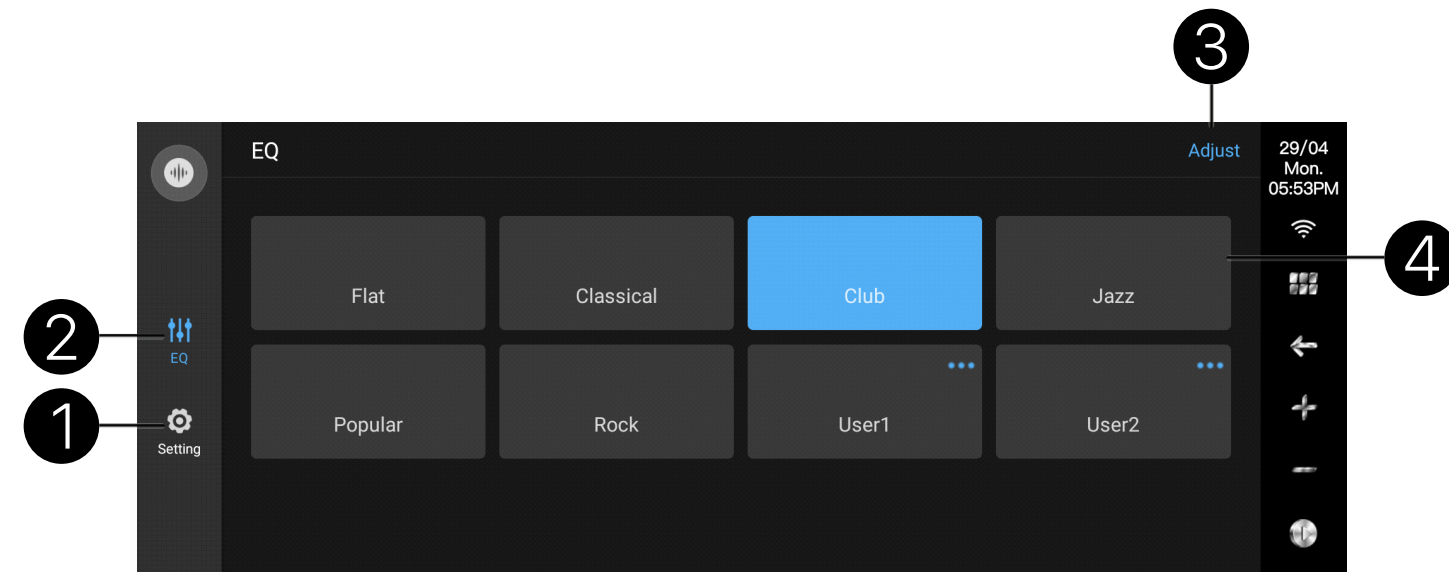


56

55

- 43. Select High HPF, Mid HPF, Mid LPF, Bass LPF. Bass LPF and subwoofer LPF to active setting
- 44. Reset current settings to factory default settings
- 45. High HPF Crossover ON/OFF
- 46. K Value setting
- 47. Frequency setting
- 48. Reset current settings to factory default settings
- 49. Middle HPF Crossover ON/OFF
- 50. K Value setting
- 51. Frequency setting
- 52. Bass LPF Phase setting
- 53. Reset current settings to factory default settings
- 54. Bass LPF Crossover ON/OFF
- 55. K Value setting
- 56. Frequency setting

ASP sound effect settings:



1. Enter Additional Settings menu

2. Enter Equalizer setting menu

3. Enter individual frequencies setting menu

4. Equalizer pre-sets

5. Change each individual frequency gain levels:

Select a frequency on [7] then click vertical arrows to increase or decrease the gain level of the selected frequency;

6. Reset all items of this menu to default settings

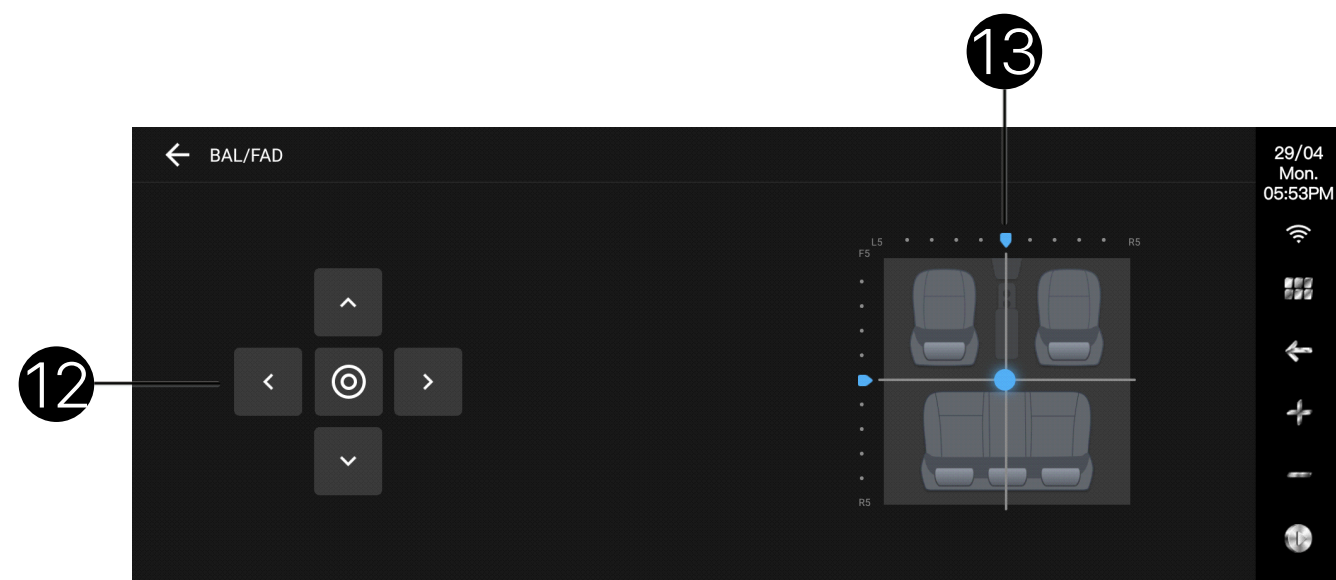
7. Individual Frequency Setting status

8. Subwoofer ON/OFF

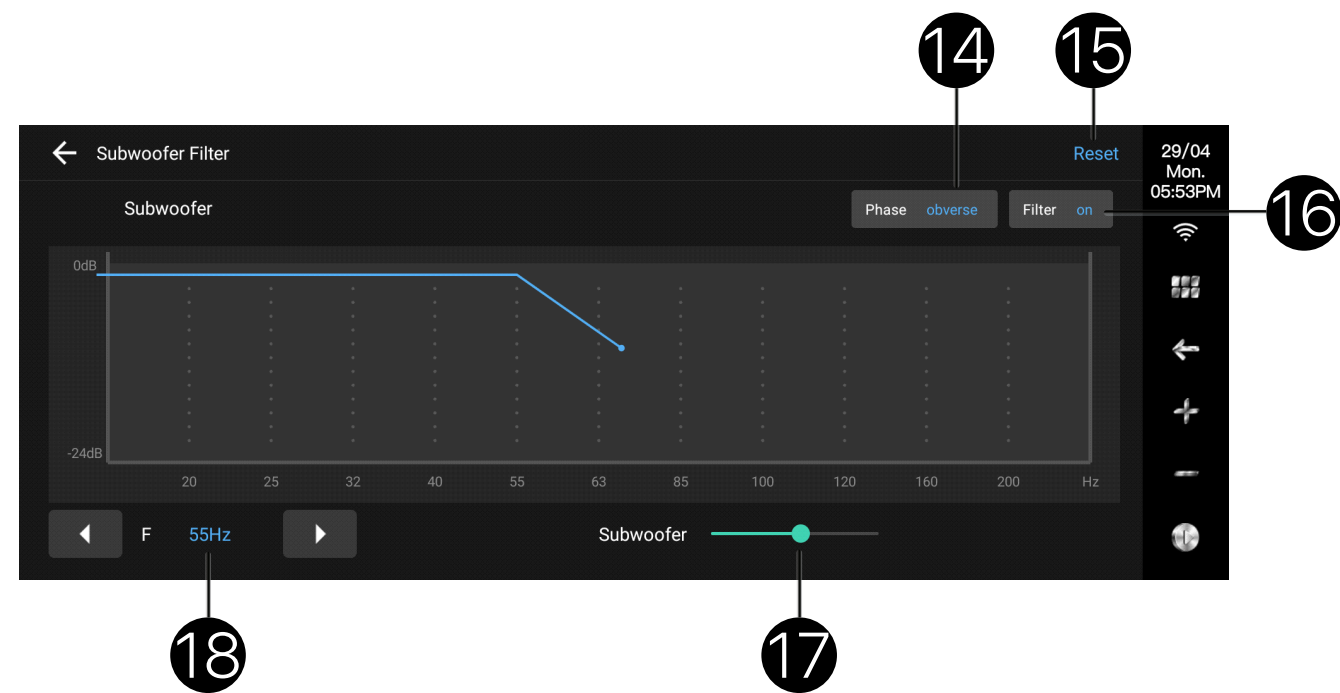
9. Loudness On, all channel outputs are enhanced

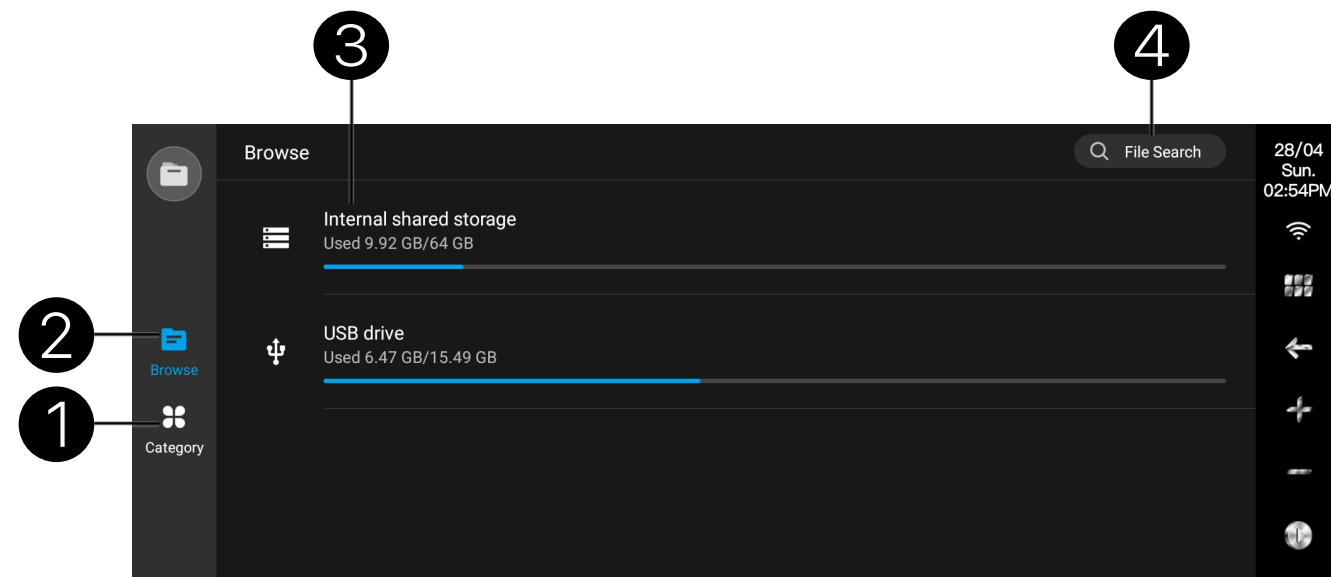
10. Enter Subwoofer Filter settings

11. Enter BAL/FAD setting

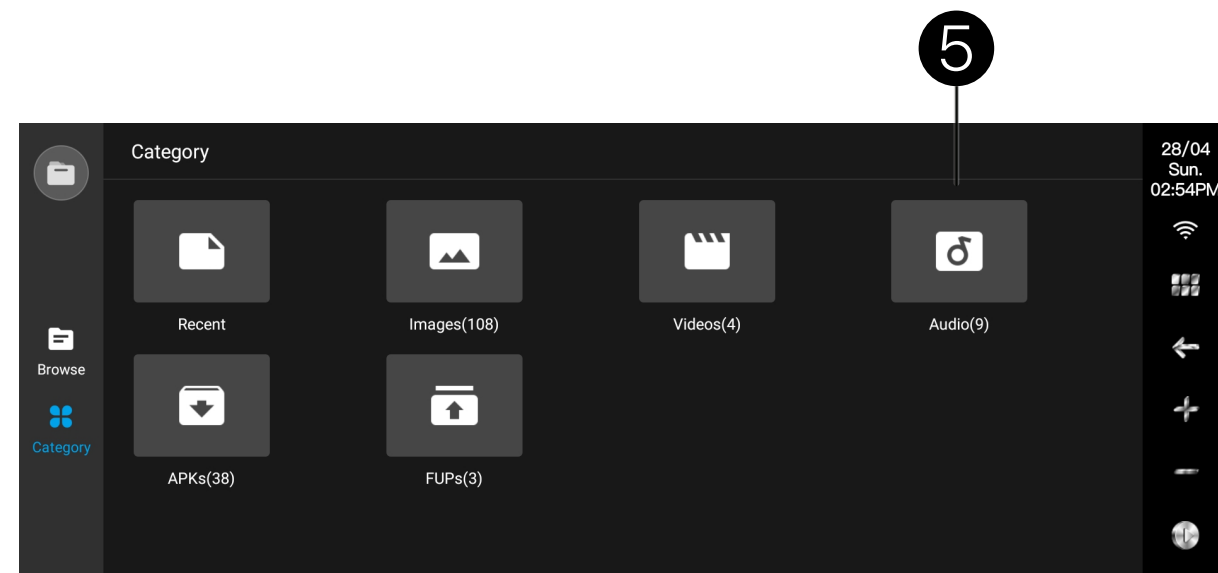


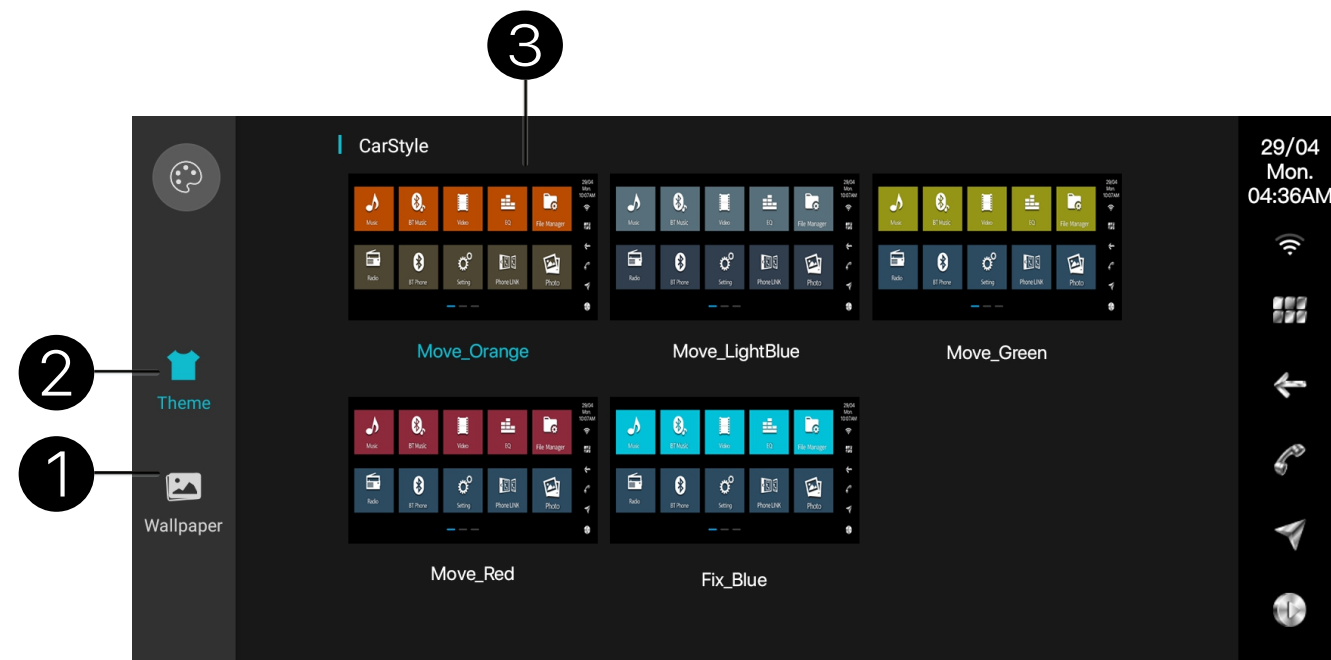
- 12. Adjust Balance/Fader with single step and click center point to reset BAL/FAD
- 13. Drag the point adjust BAL/FAD fastly
- 14. Subwoofer Phase setting
- 15. Reset Subwoofer Filter to Factory default
- 16. Filter ON/OFF
- 17. Subwoofer Gain adjust
- 18. Frequency setting



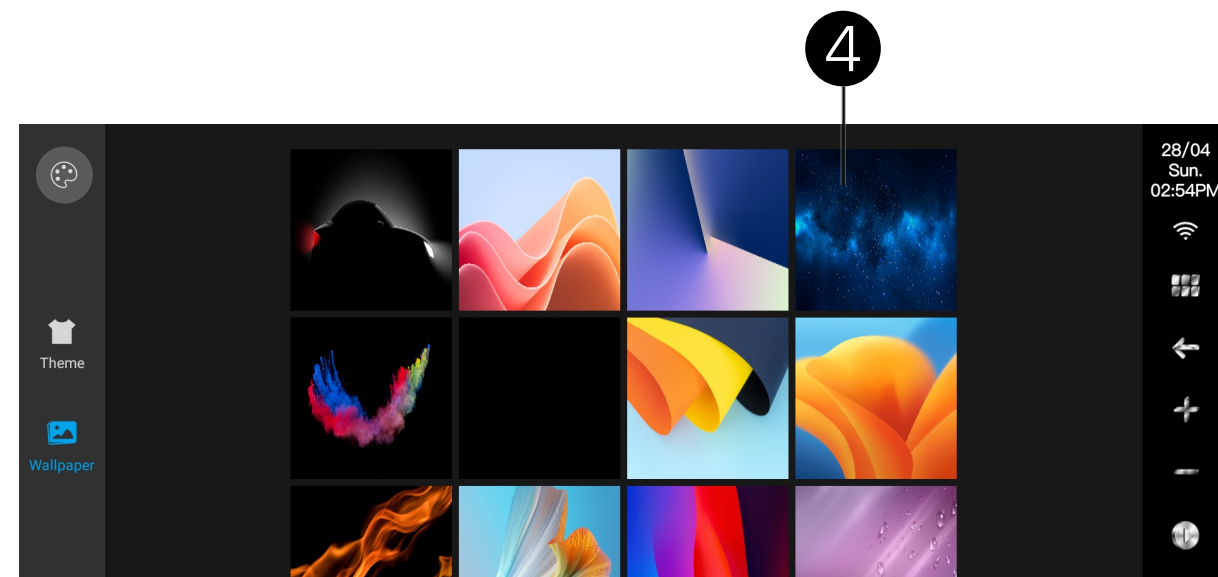


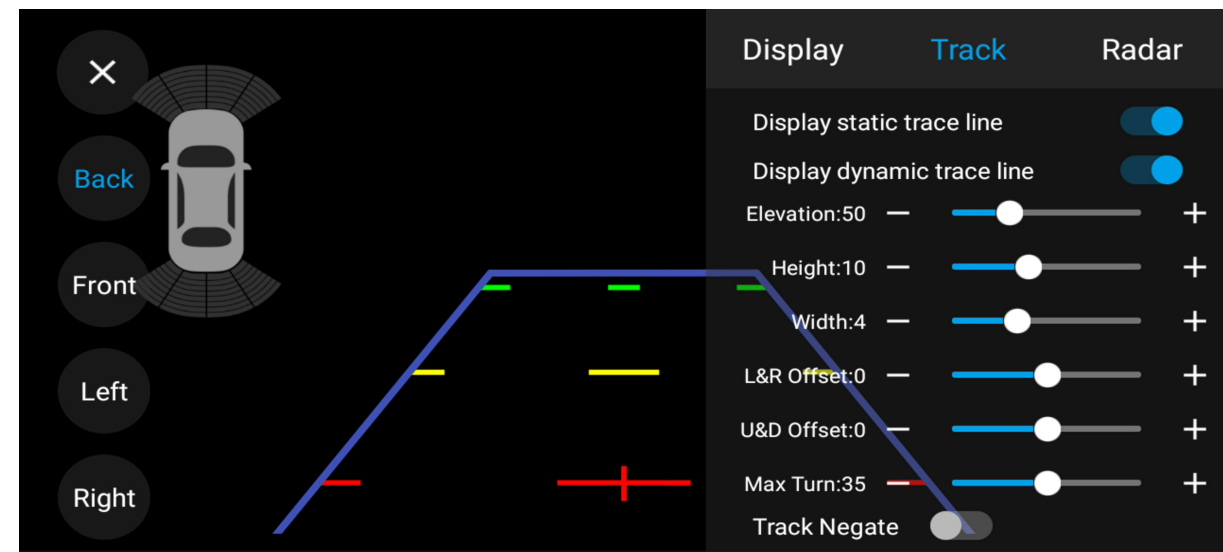
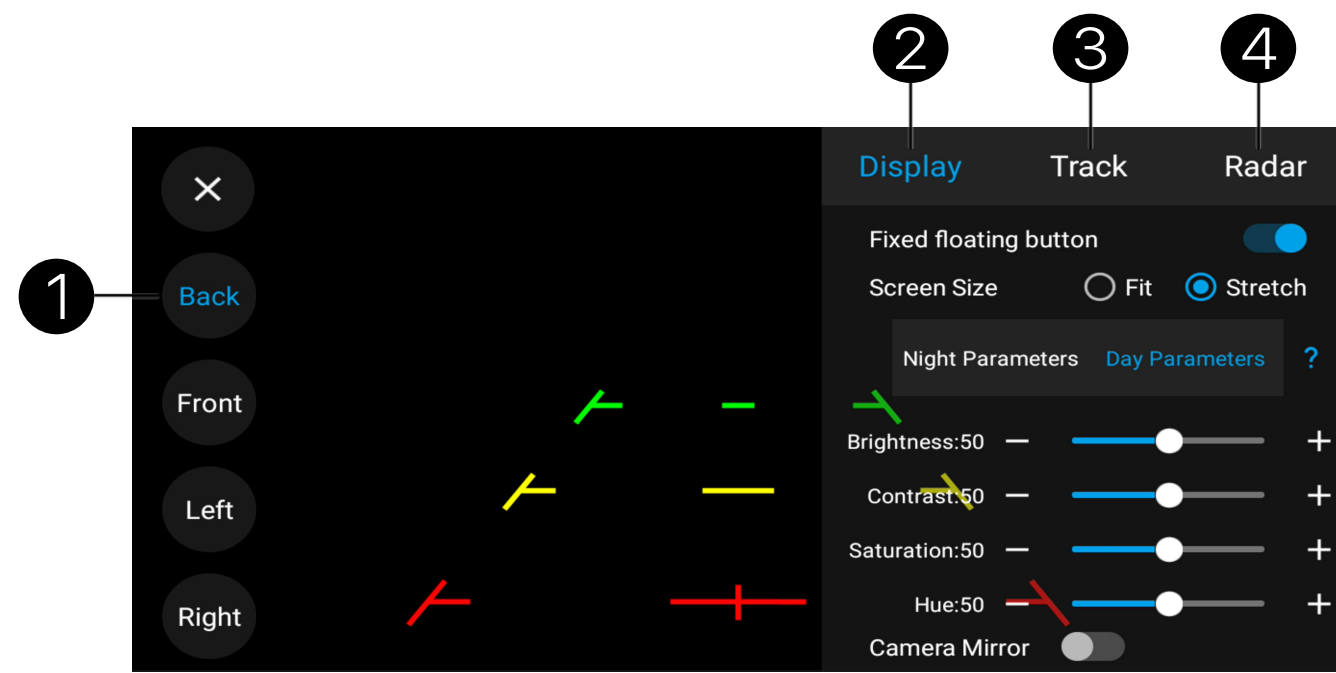
1. Enter category menu
2. Enter Storage Browse menu
3. Enter Storage File path menu
4. Search file by name
5. Files Categorized - classify Files as Images, Videos, Audio, APKs and Update file FUPs.
Recently visited files under recent
File manager application works for File Cut/Copy and Paste, Rename, Create folder





1. Enter Wall paper list
2. Enter Theme list
3. Preview Integrated Themes
4. Integrated wallpaper preview
Select favorite Theme or Wallpaper - Touch Apply on pop-up menu, the Theme and Wallpaper will change to the selected option

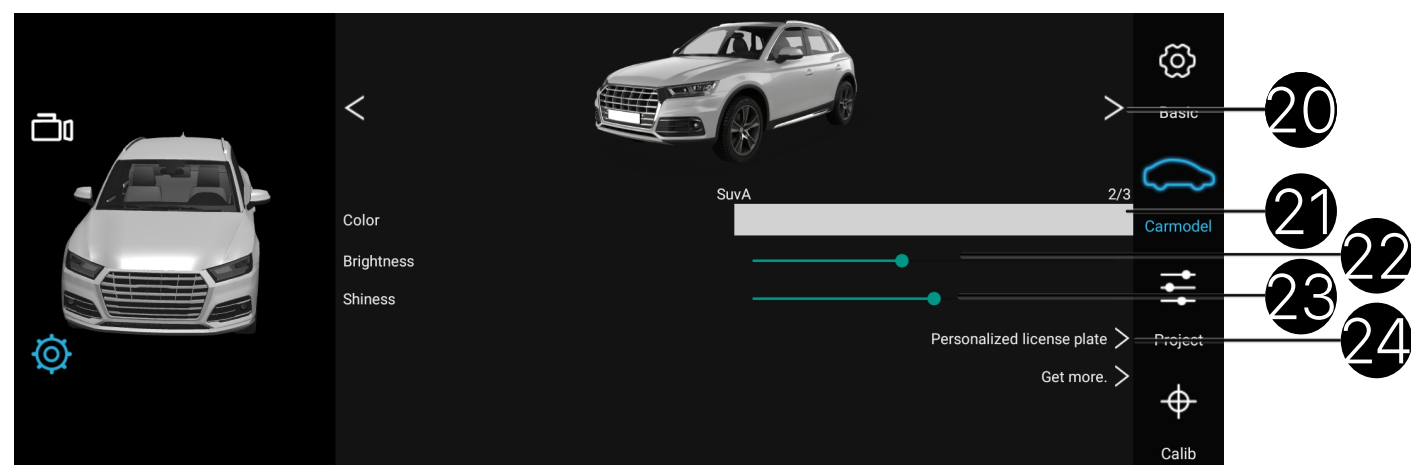
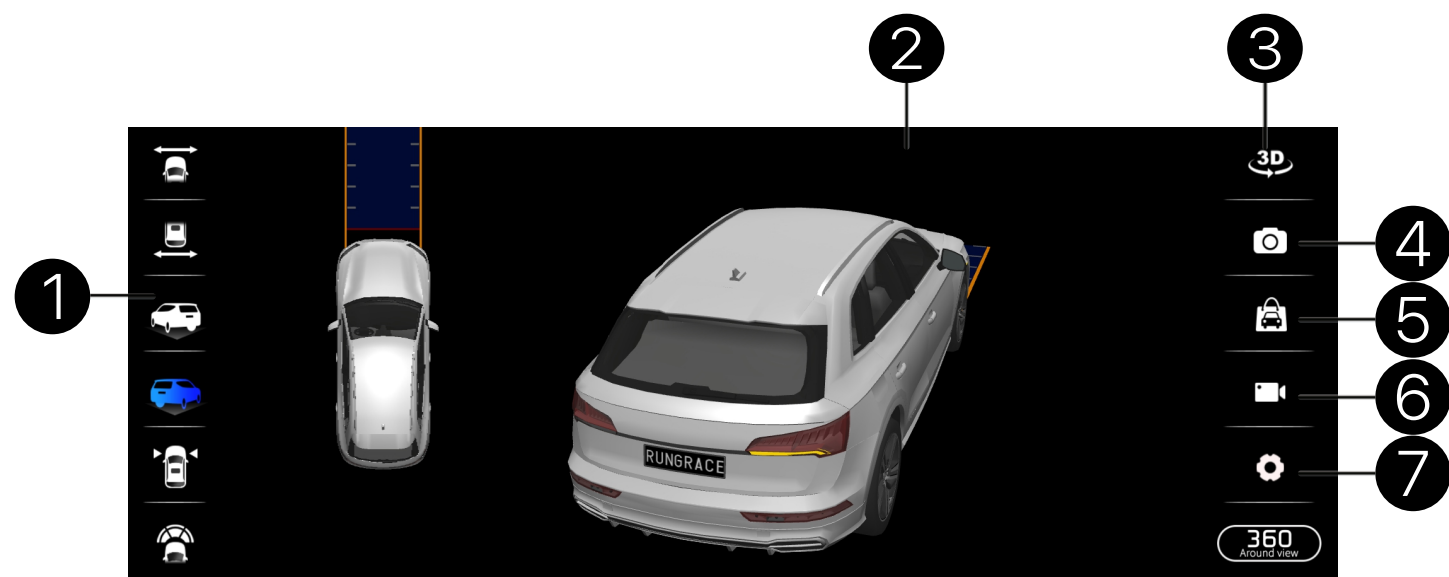




CVBS Camera and 4 Channel AHD Camera Reverse Input Settings:

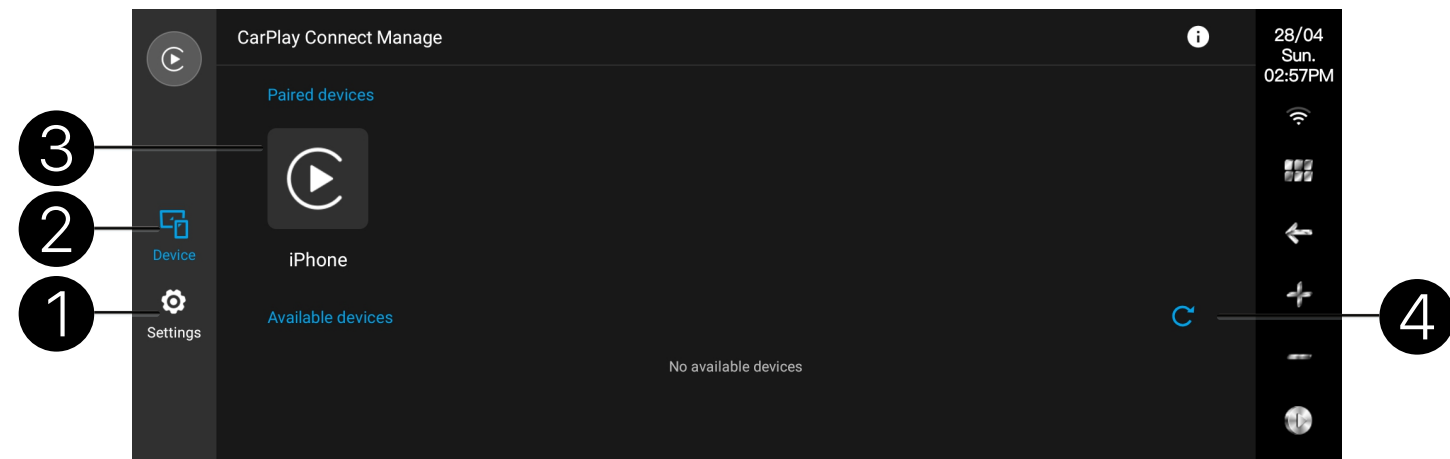
Touch Cameras option to access the Reverse Camera input menu, then press the top right corner to display the pop-up Settings menu;

1. Select one camera input to change settings
CVBS and 360AVM mode does not have this option;
2. Camera Input video display settings
Brightness, Contrast, Saturation, Hue and display reverse can be adjusted for best match car cameras
3. Reverse track settings
Position track Elevation, Height, Width, and Left/Right Offset, Up/Down Offset and Max turn can be adjusted for best match exactly apply environment.
4. Original Proximity Radar display
If only works with original radar data transfer by CANBUS.



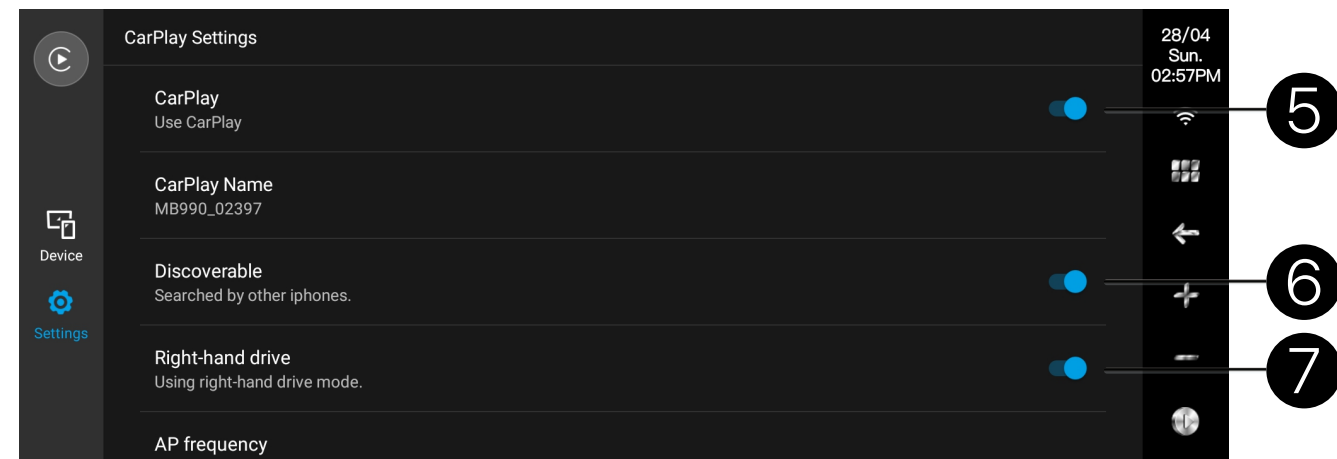
360AVM function is optional, the device may not including. Go to [Settings]--[Reverse mode]--[Reverse video input]--Select 360AVM pro to active 360AVM function. Set up the camera Format to match Cameras for camera video display.

1. See each view angle video
2. Activated camera display. Drag car for see around view on displaying 3D mode
3. See 3D around view video
4. Touch for take a picture
 - The device must have storage device on USB port with correct Record Device setting
5. Car model shop
6. Manage recorded video and photo files
7. Settings
8. Rotate view on starting ON/OFF. The system will display around view after ACC ON
9. 360 View floating ON/OFF
10. Recording status display, it will has a red dot on left up side during recording
11. Default display rear camera's video
12. Turning delay, Reversing delay [13], Emergency light delay [14], Touch delay [15], Radar delay [16] setting to keep displaying some time after turning signal disabled, reversing finished, Hazard Warning Lamps turned OFF, user active 360 view on home menu and Radar signal stopped.
17. Turning signal trigger on setting speed limit for disable turning signal active 360 view
18. Video and photo save path setting
19. Video recording quality setting
20. Click arrows select car model
21. Setting car model's Color, Brightness [22], Shines [23]
24. Car License plate settings



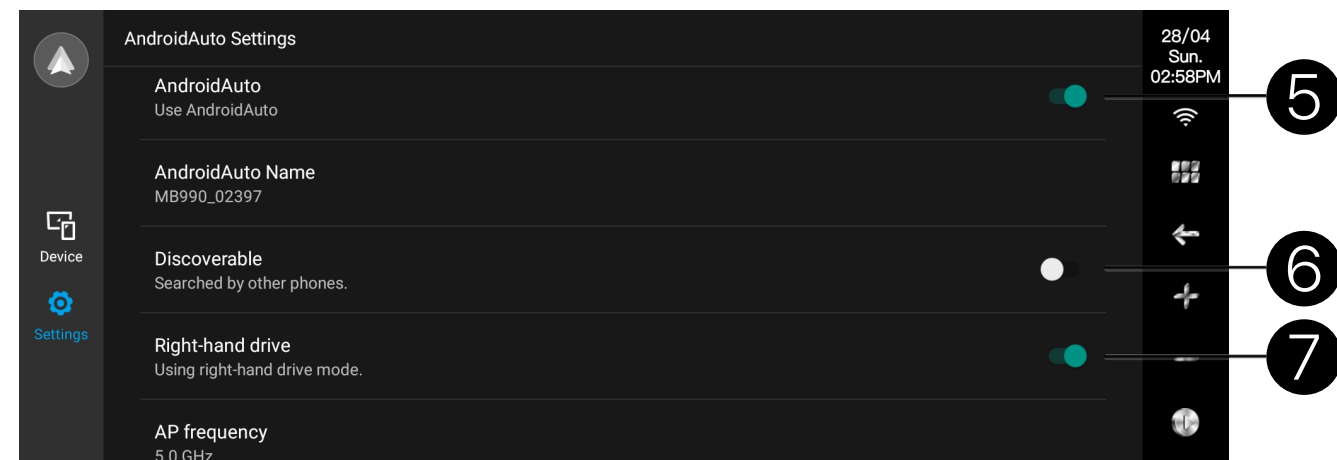
Carplay:

1. Carplay connect and display settings
2. Device list
3. Touch Paired device to connect
4. Scan available devices
5. Turn carplay ON/OFF
6. Set up device discoverable for iPhone Paired iPhone can connect to device only [5], [6] ON
7. Right Side driver use



Android Auto:

Similar setting as Carplay



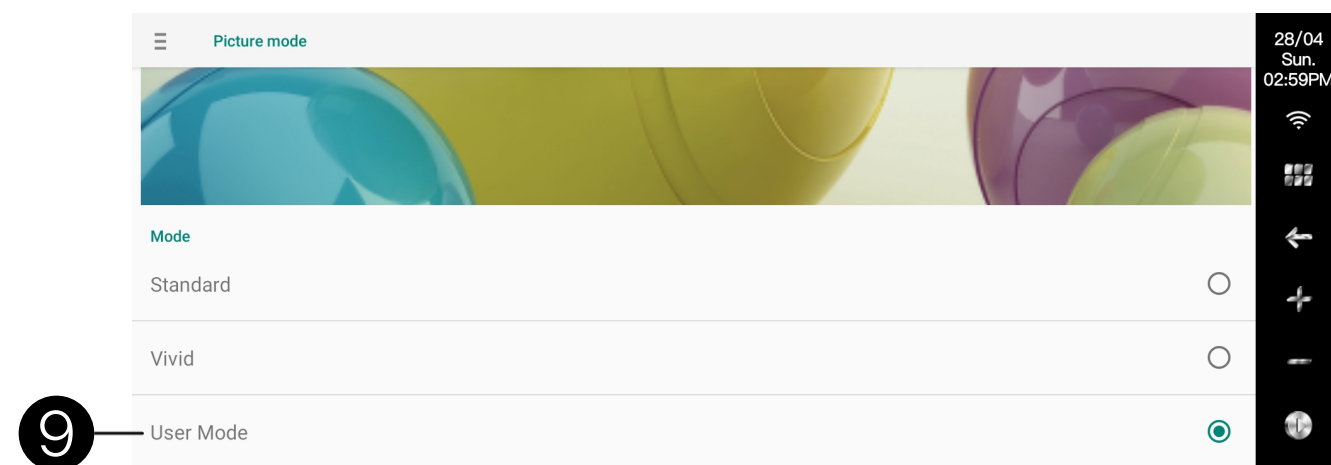
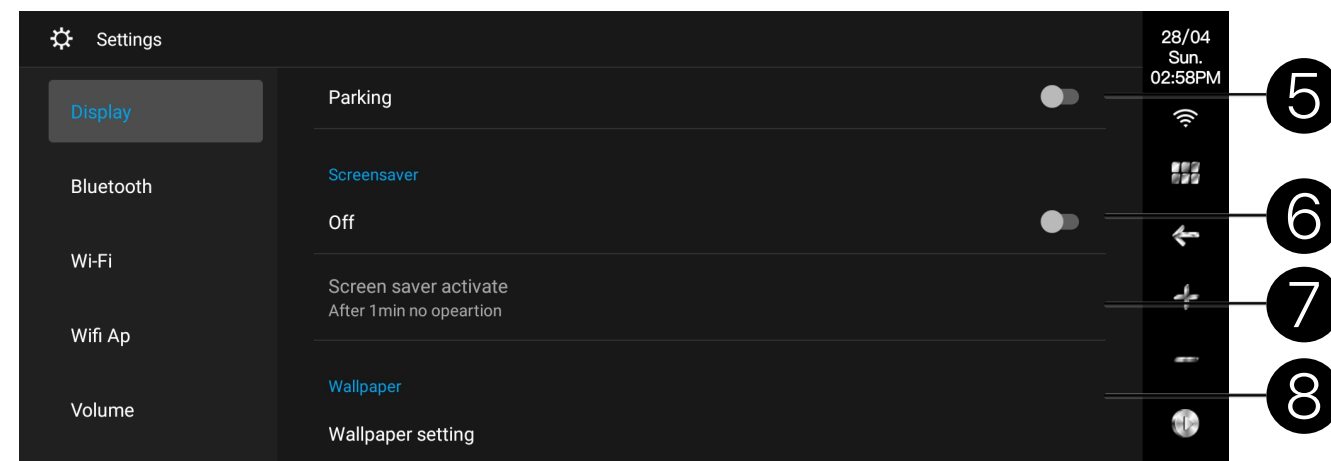
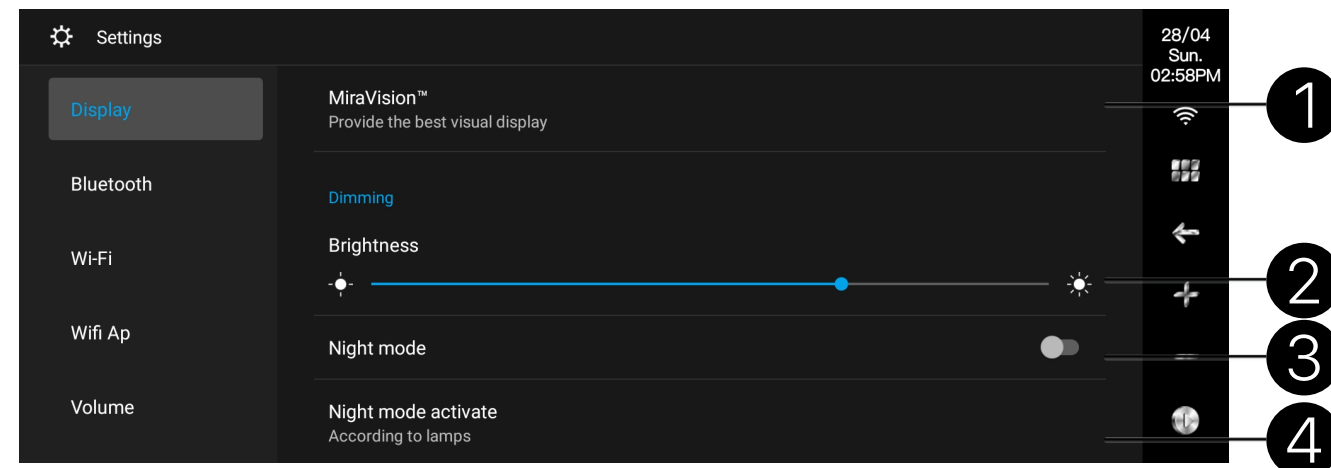
Touch [Settings] on HOME page or Touch right bottom bar, then Select the [settings] icon on pop-up menu to access displayed options

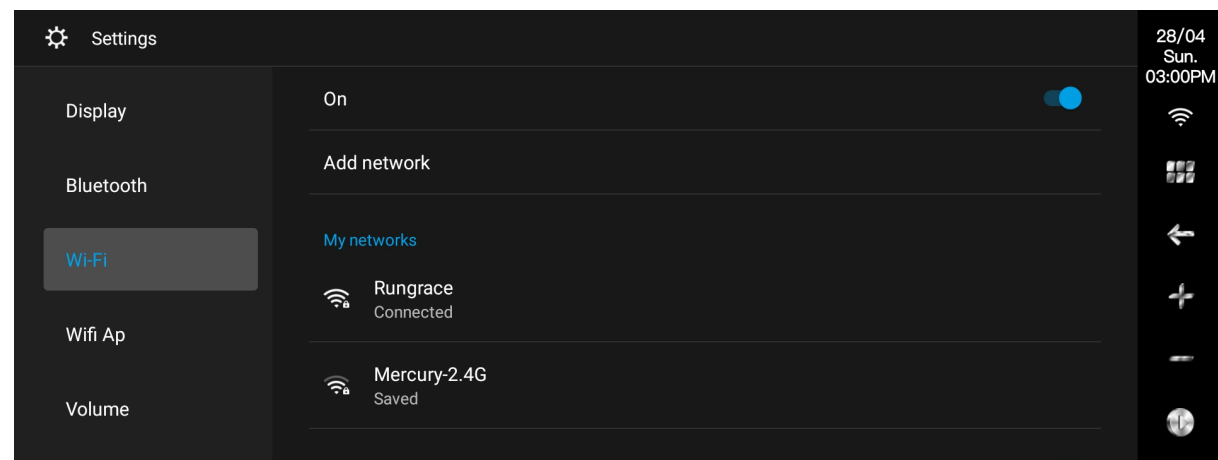
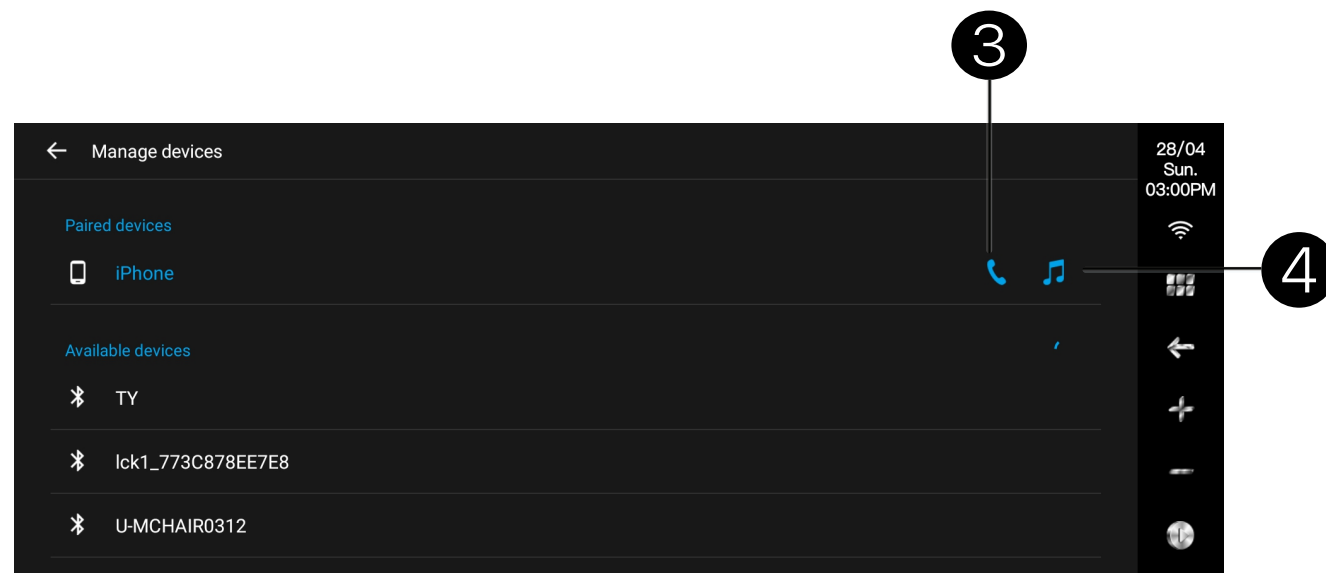
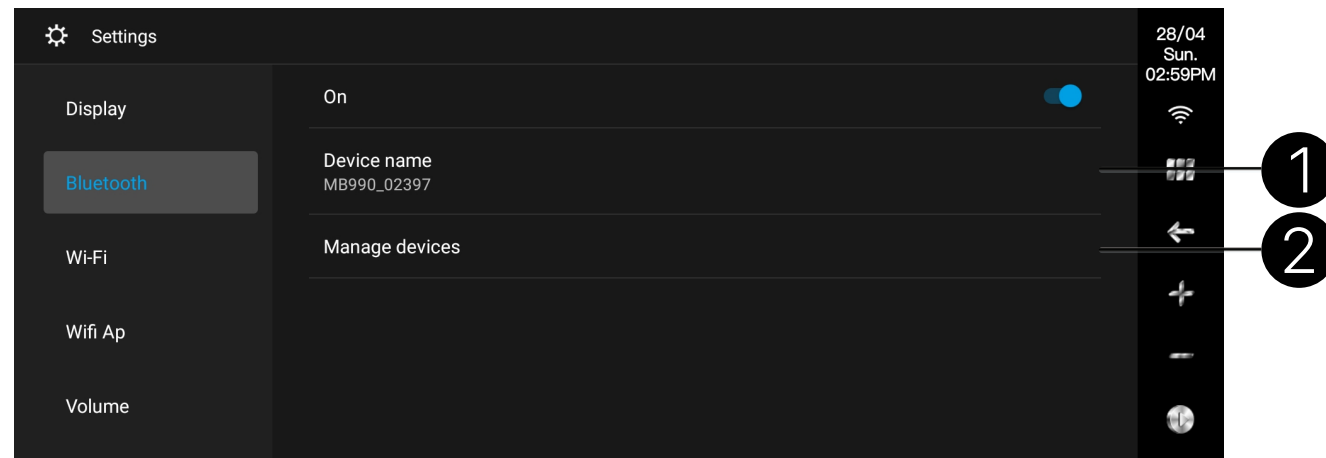
Settings menu:

Incorrect setting may cause the system to malfunction. Please Select [Factory reset] to revert to default Factory settings or consult with the Service Department

Display Settings:

1. Enter MiraVision display setting menu
2. Adjust overall screen Brightness setting
3. Night mode On-Screen and Backlight to change Brightness
4. Headlight/Parking lights ON: The overall screen and keys illumination level will decrease to 50%, provided the Illumination lead is connected to the factory harness.
Sync with Internal System Clock: Once the Night mode is turned ON, the screen brightness will drop in Sync with the time of day
5. Parking ON - Playback of moving images or videos is blocked until the parking brake is activated. It's required to connect the Parking Brake wire to the Handbrake switch
6. Screen Saver ON - Clock display after [7] pre-set Interval duration.
8. Wallpaper setting
9. MiraVision settings, Picture mode pre-sets on user mode, the overall screen display Contrast, Saturation, Brightness, Sharpness, Color Temperature, Dynamic Contrast, BlueLight Defender can be adjusted. All settings can be restored to default as well.





Bluetooth Settings:

1. Change Device Name
2. Manage device - System can connect with multiple Bluetooth devices, and each device function can be set up
3. This device works with HFP-handsfree phone calls
4. This device works with A2DP audio streaming

Bluetooth Pair and connect:

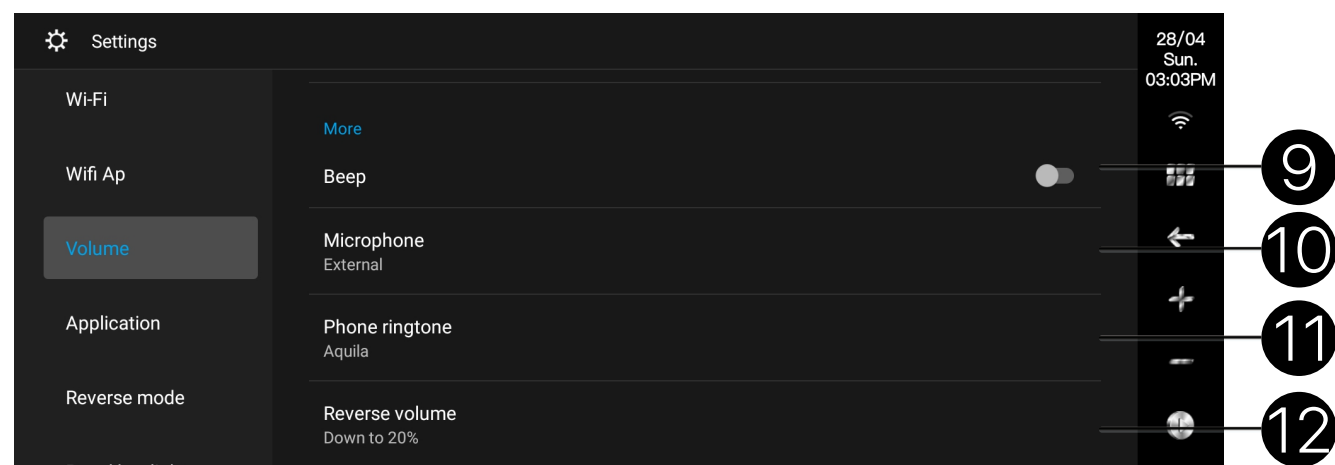
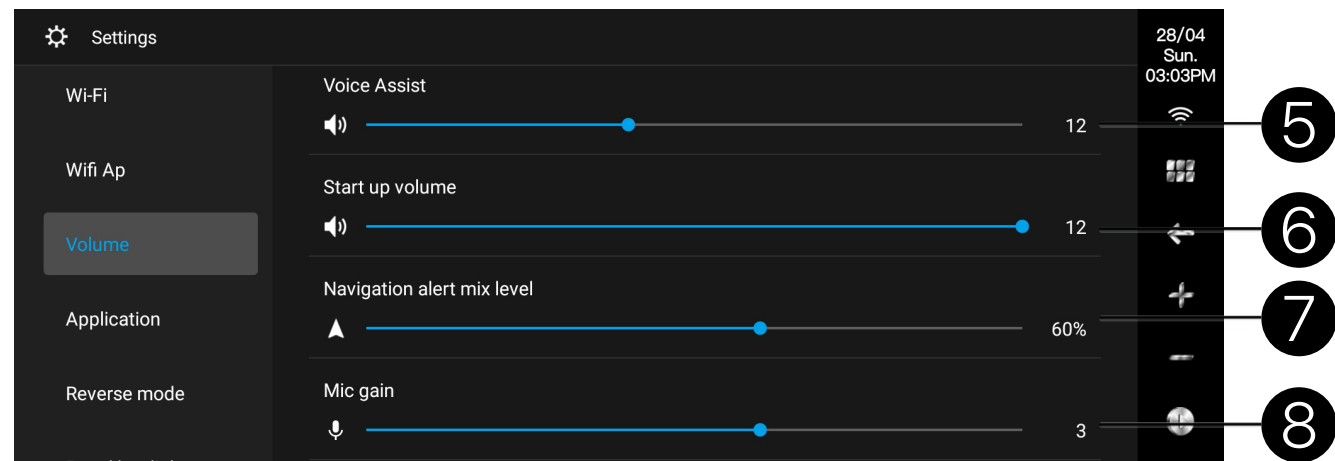
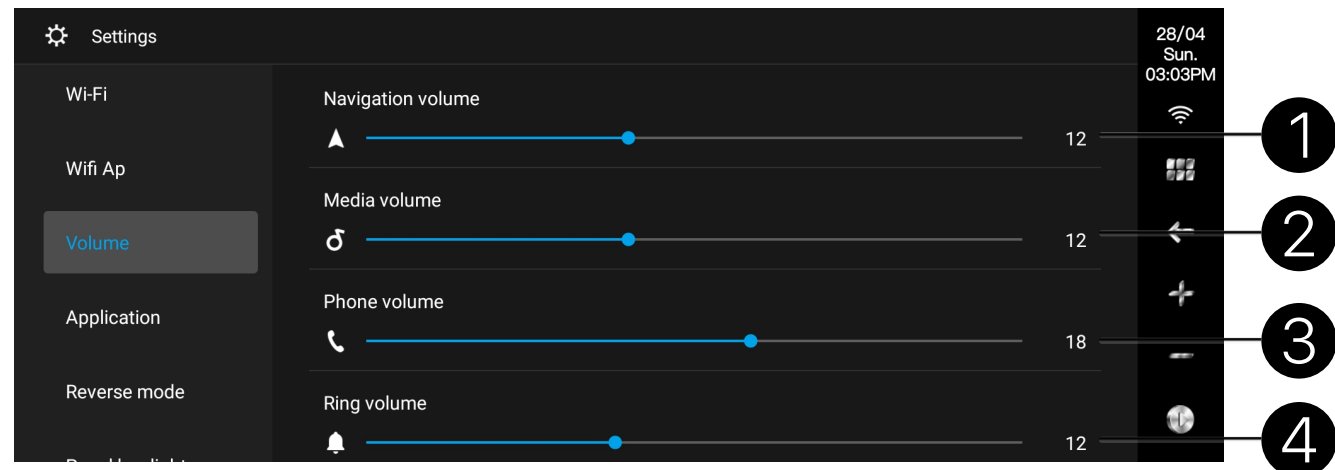
Search for available Bluetooth devices, select an available device and Press pair to show a pop-up menu. Touch [Pair] on both devices
System will search and Connect with the last device automatically upon boot up

Wi-Fi Setting:

Select one of the available networks, input Password in the pop-up menu to connect to the available Wi-Fi network.

Long press networks on the list to Disconnect, Cancel save, Modify network password.

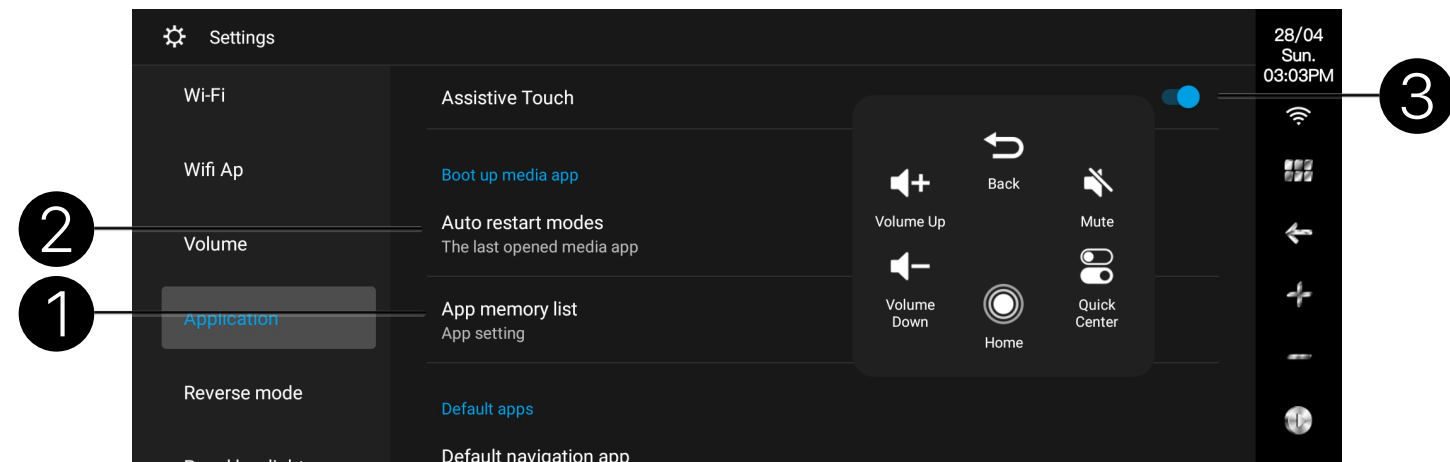
Ensure the Wi-Fi/Bluetooth antenna has been connected to device



Source Volume Settings:

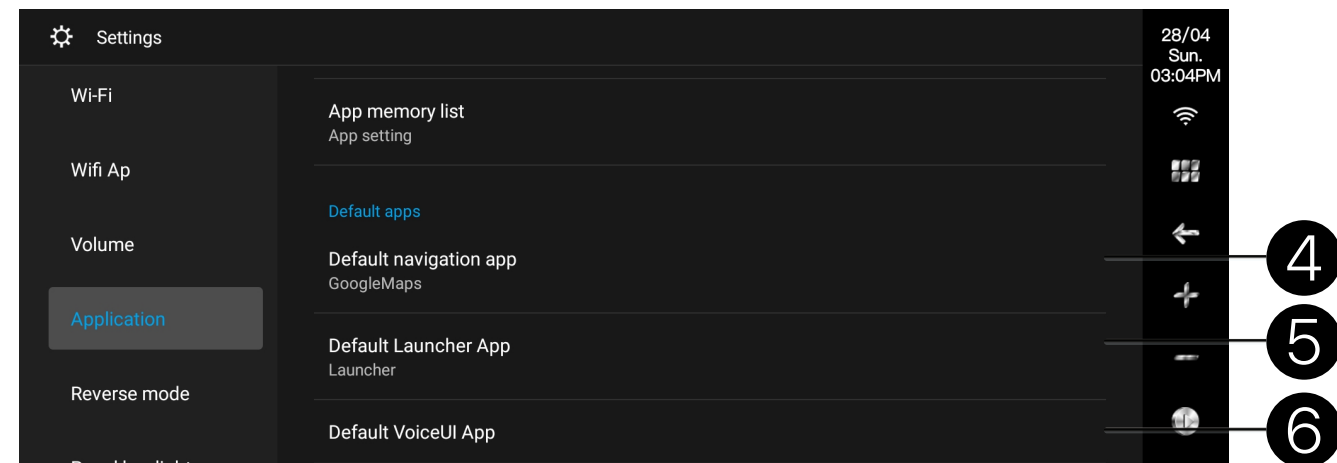
Individual Source volume levels can be set up for overall sound output balance while switching sources

1. Navigation volume setting
2. Media playback volume setting
3. Phone call volume setting
4. Incoming phone call ring volume setting
5. Voice assist volume: Application for devices equipped with Voice Assist
6. System Volume Level at Start: Can be set to a range from 4-12 as Start - Immaterial of what the last volume level was, it will default to a level selected between 4-12
7. Navigation alert mix level: To reduce or increase the individual Source Level when there's a prompt from the Navigation source
8. Microphone gain setting
9. Touch Beep tone
10. Microphone external / internal setting
11. Incoming phone call ringtone setting
12. Adjust Volume level when reverse gear is selected



Application Settings:

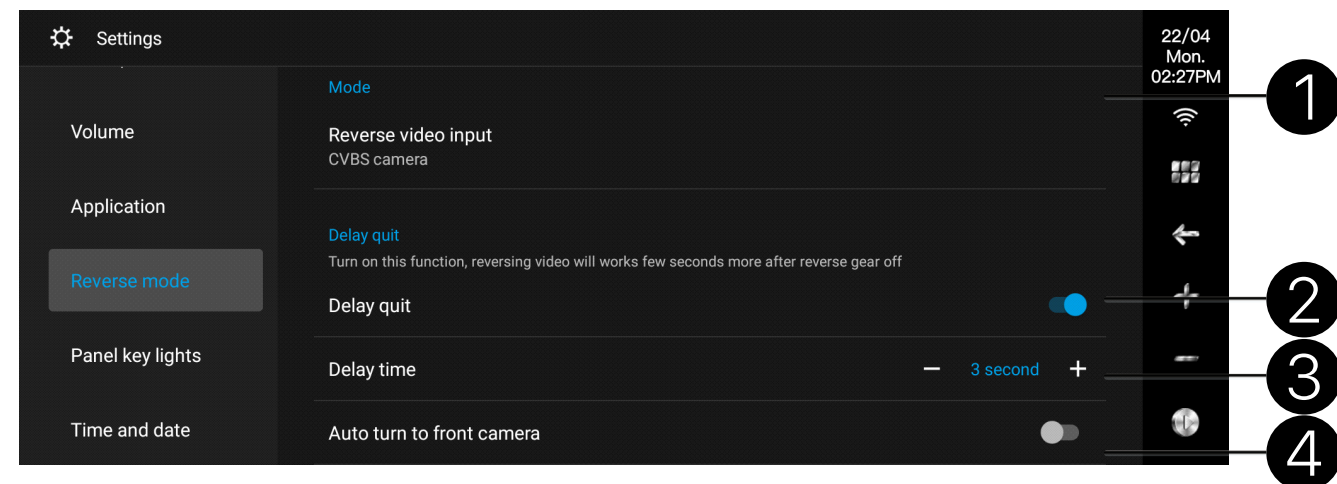
1. It is an extension of [2]
2. Auto Restart modes settings:
 - Disable Auto-start: System will stay on Homepage upon Start
 - Last opened Media app: System will open last Media app and commence playback
 - Specific app: System will open specific app on [1] automatically.
3. Turn ON Assistive Touch to get floating menu
4. Specify Navigation, Launcher [5], VoiceUI [6] default app from similar multiple apps: This option will not work if the device has only one app or without any app.

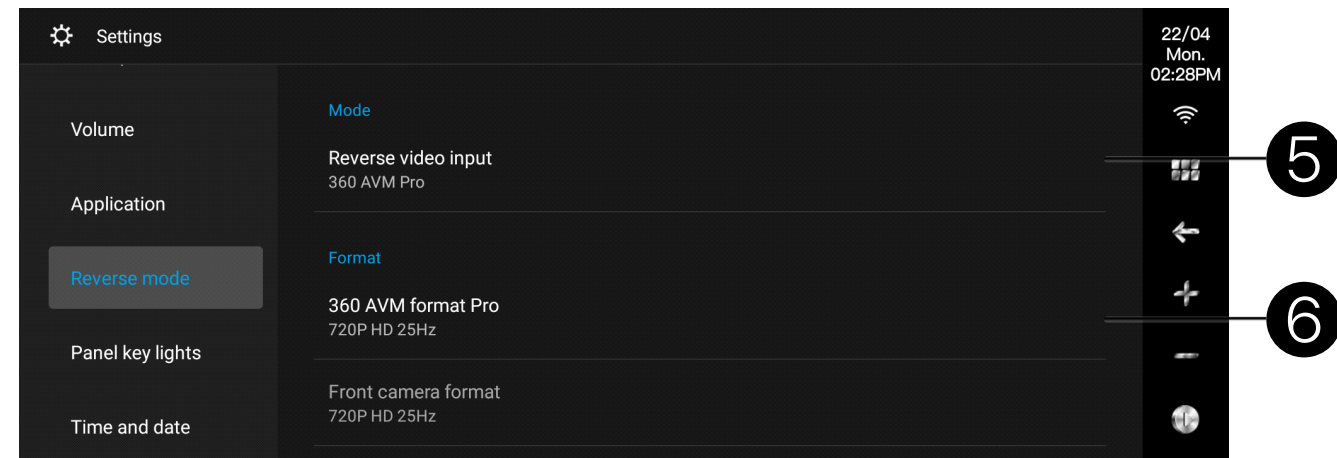


Reverse mode Setting:

Incorrect setting may cause video to not be displayed on the screen. Please check camera specifications and select correctly from options given. Incorrect selection may cause issues with the video signal display on the device

1. Reverse camera input setting. The device input compatible CVBS Camera, 360 AVM Pro, 4 Channels AHD camera, AHD front rear record. The cameras format must match the setting
2. Delay Reverse Display setting: Duration of reverse camera view display after reverse gear is disengaged
3. Delay quit time setting
4. Auto Front Camera display once Reverse gear is disengaged





5. 360AVM input mode

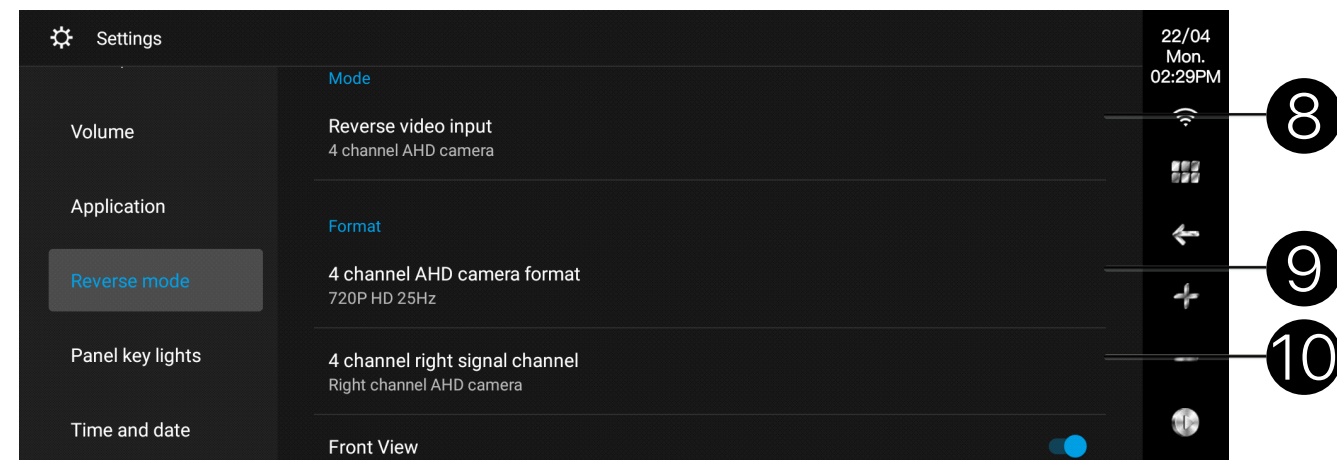
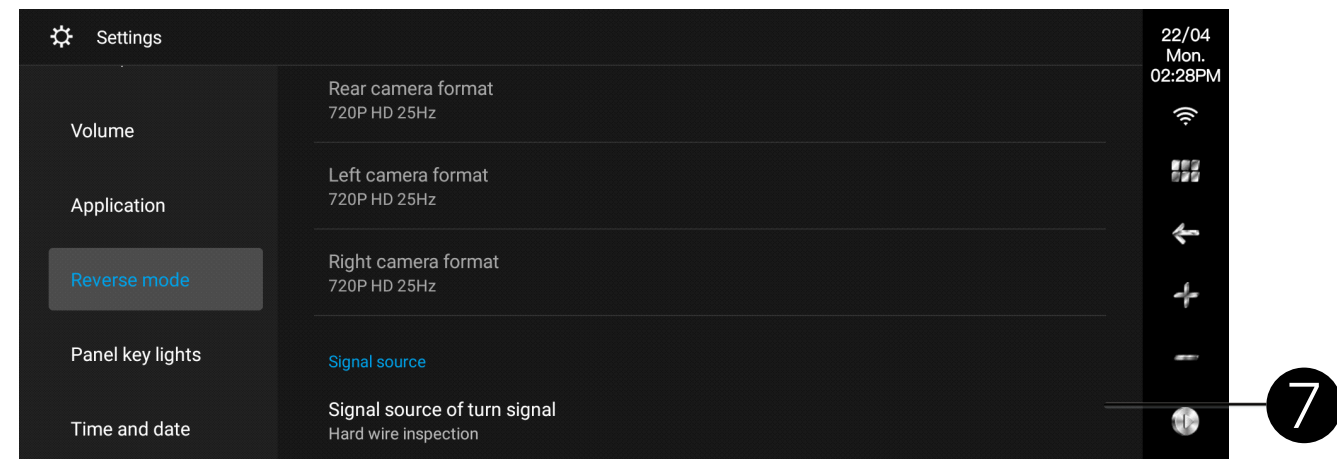
6. Reverse cameras format setting must match installed cameras, Device supports 720P and 1080P camera video input

7. Turning signal detect way setting to Wire directly connect or CANBUS signal

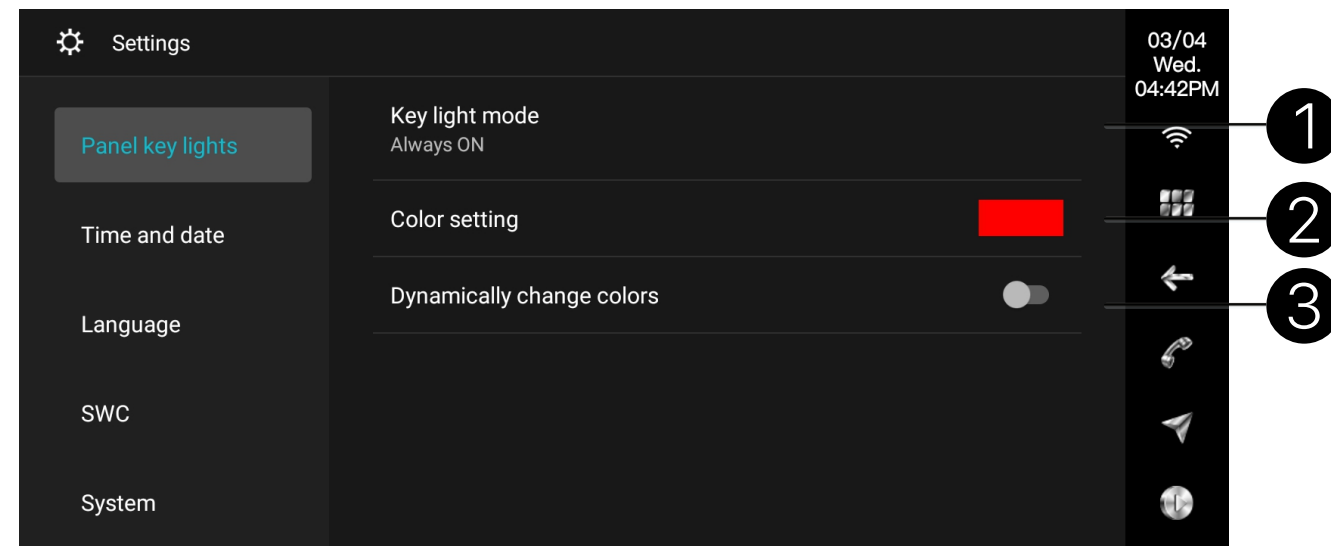
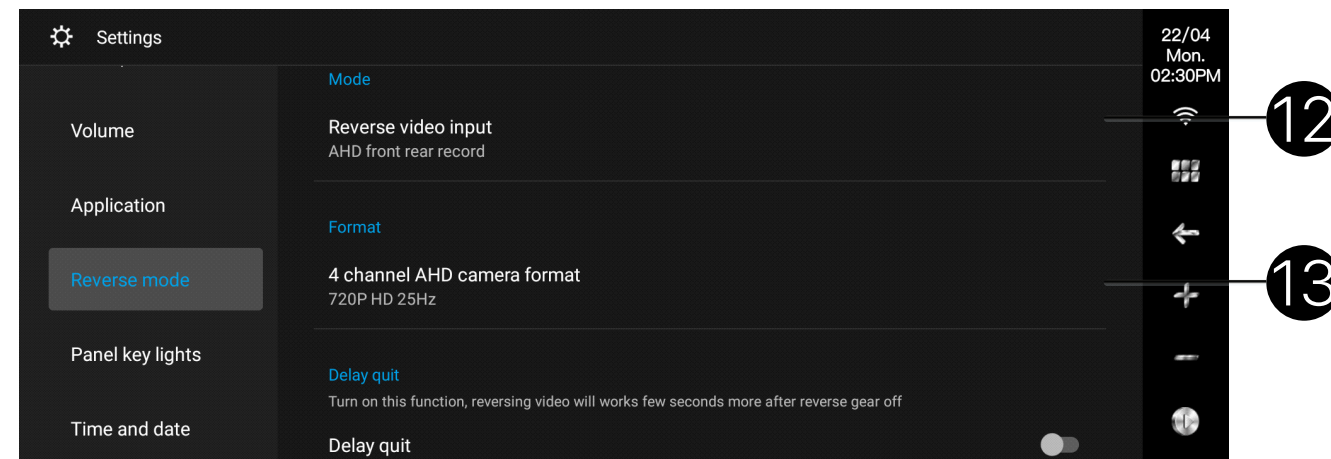
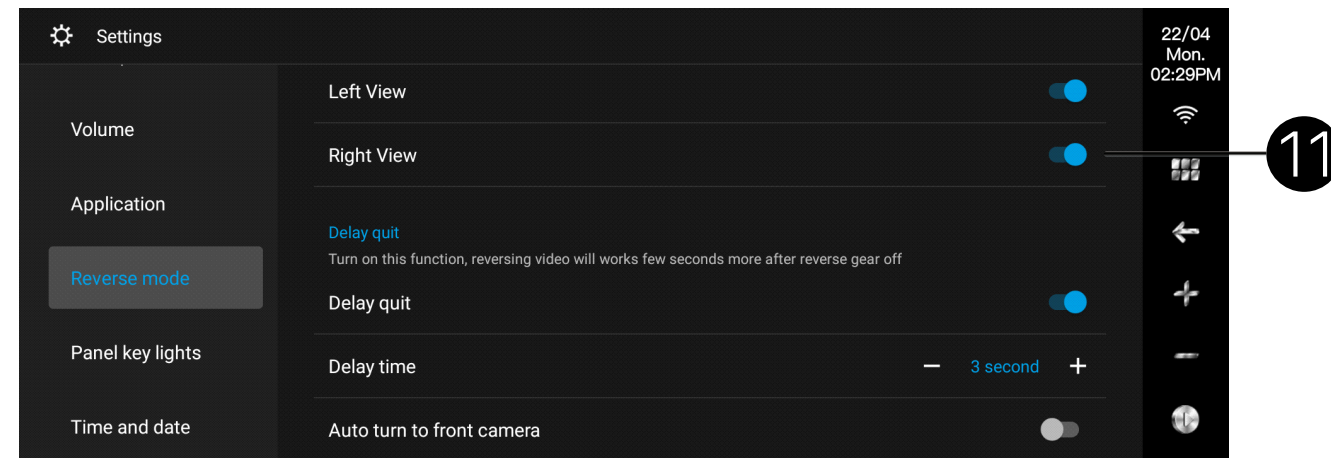
8. 4 Channels AHD camera input mode

9. 4 Channels cameras format setting

10. The right side camera can be set up separate to compatible installed camera

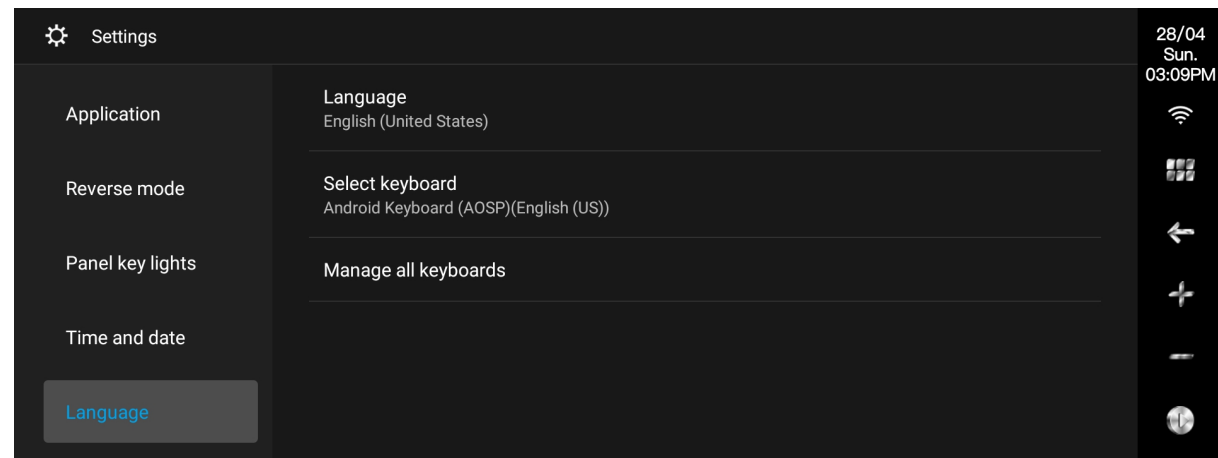
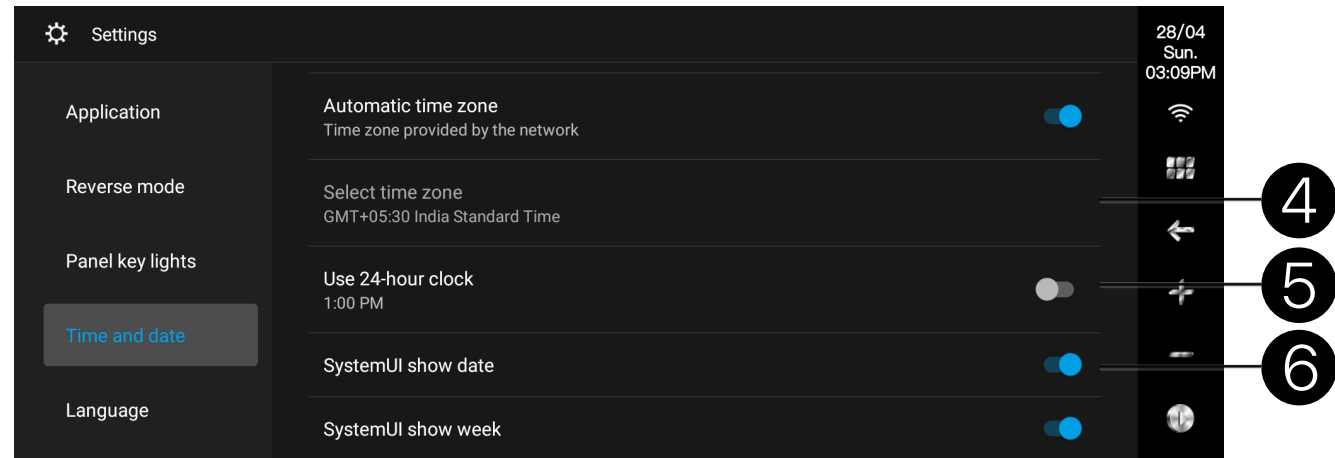
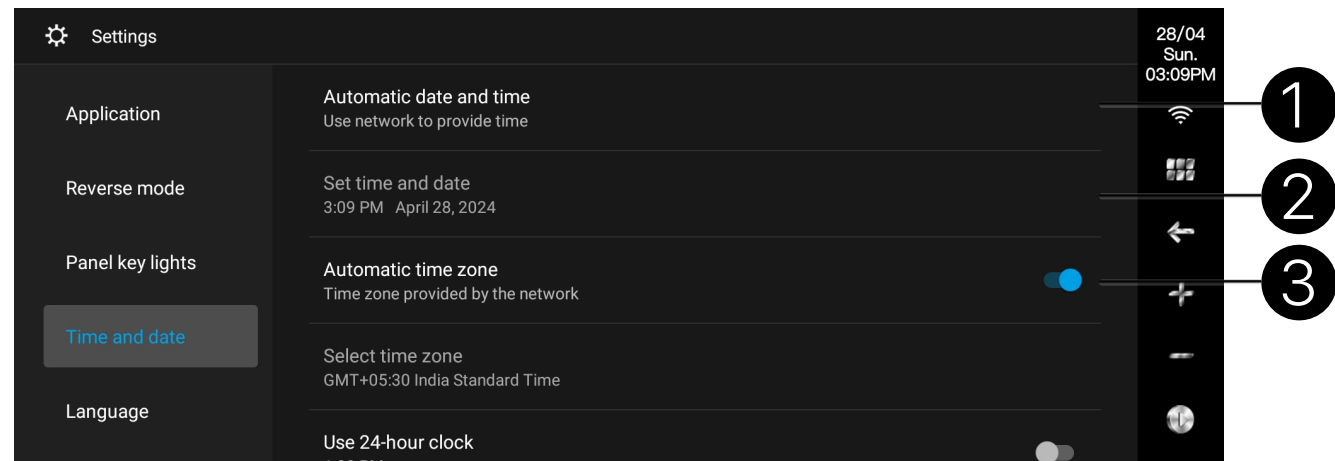


- 11. Front, Left and Right side cameras can be Off
- 12. Front and Rear dual camera input mode, it support record video
- 13. Camera format setting



Display Key Illumination Setting:

1. Key Illumination mode setting
 - Always ON: System ON, Display backlight ON
 - Vehicle Illumination mode: Display backlight ON only when headlight is ON
 - Ensure headlight detect wire had been connected to vehicle headlight power wire
2. Enter key light color setting menu. Select color tile or on color circle, then click [Apply]
3. Dynamically change colors On, panel light changing multi color automatically



Time and Date Setting:

1. Set up date and time works mode

Use network to provide time: The system date and time will be synchronized with network
It only work with device connected to network

Use GPS to provide time: The system date and time will be synchronized by GPS signal

For sure device get GPS signal

Manual setting

2. Set up time and date, it only works on [1] manual setting

3. Automatic time zone setting ON

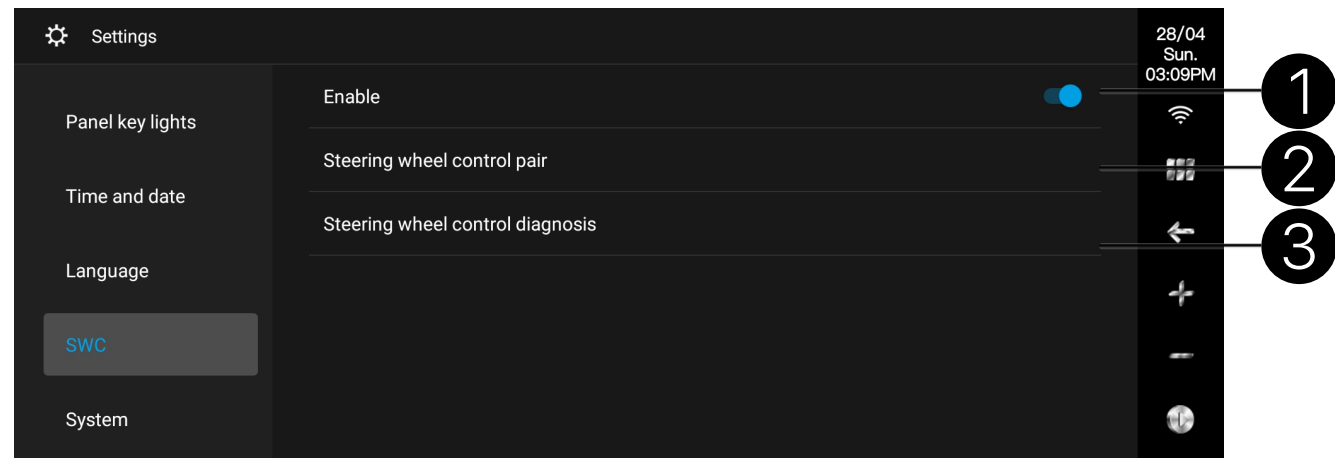
4. Time zone setting, it only works on [3] OFF

5. Time display mode

6. Set up to display date and time on toolbar

Language Setting:

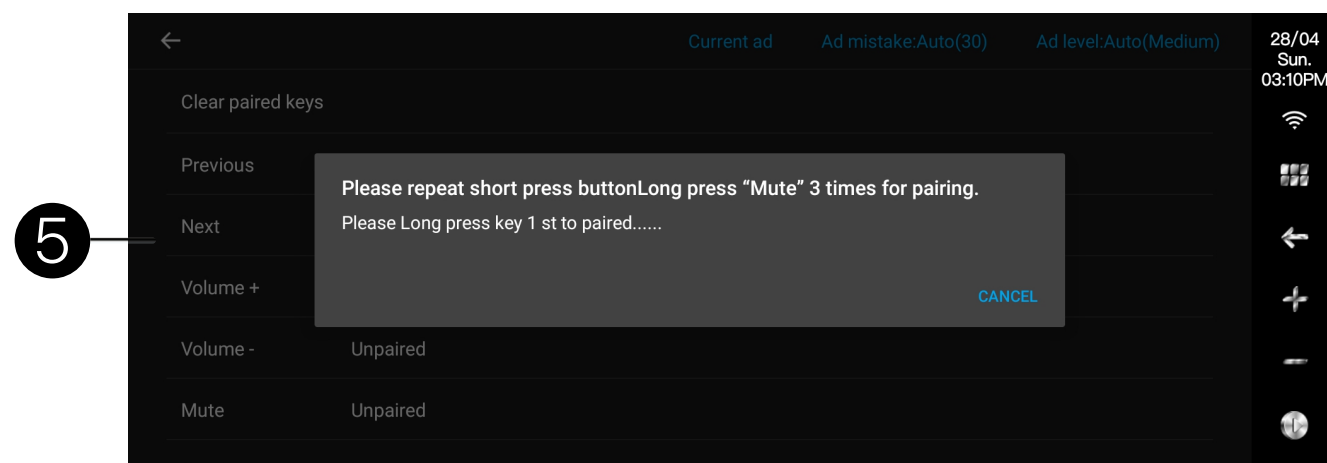
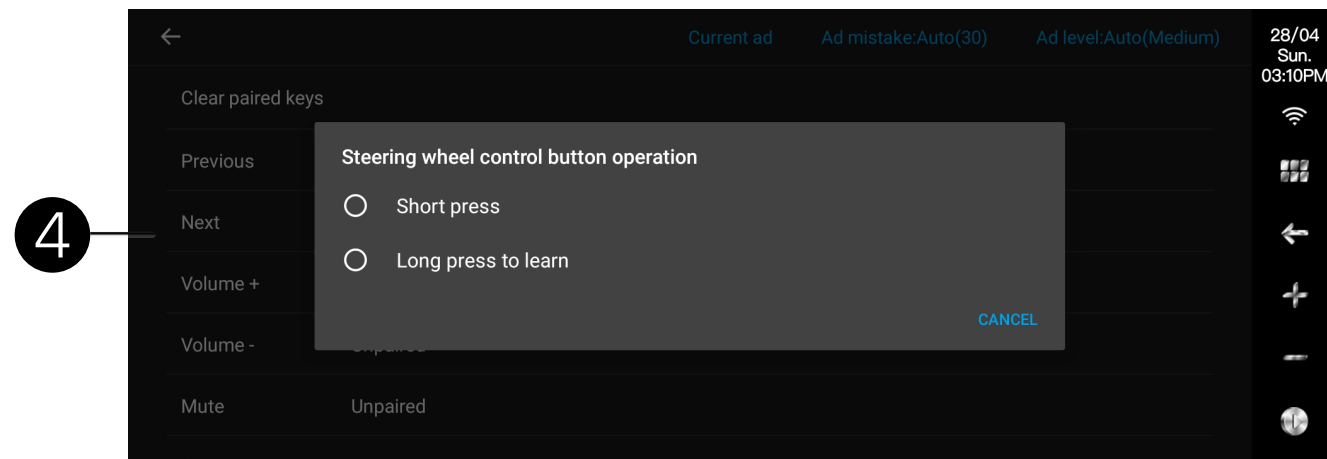
Set up system language and input keyboard

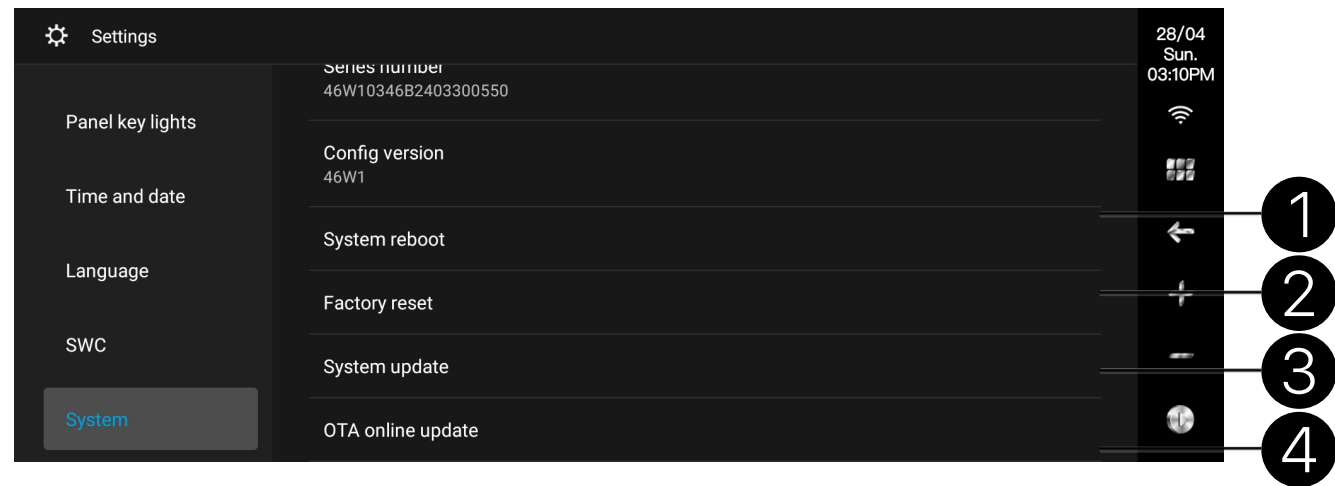


SWC Setting:

1. Enable SWC function
2. Enter SWC button pair menu
3. Enter SWC button function diagnosis
4. Select one function and specify short press or long press
5. Press the button of Steering Wheel Control three times according of instruction and get function paired

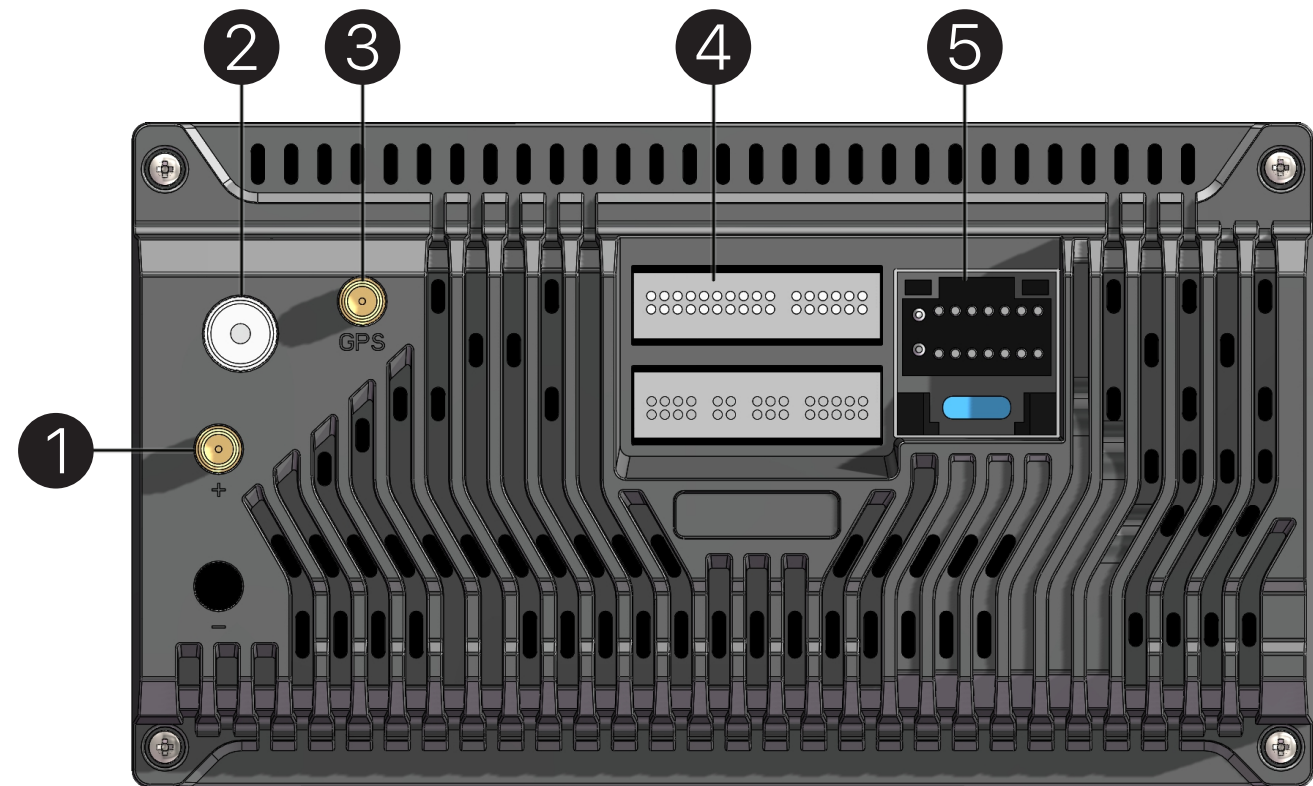
Ensure AD Key1/Key2 wires are connected to the vehicles wiring harness correctly. Steering wheel control diagnosis guide to check the connection and pairing. Should the SWC button not work as expected, follow the pop-up menu and check the connections





System Settings:

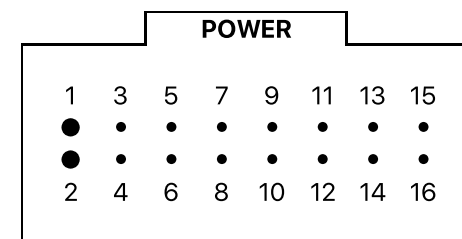
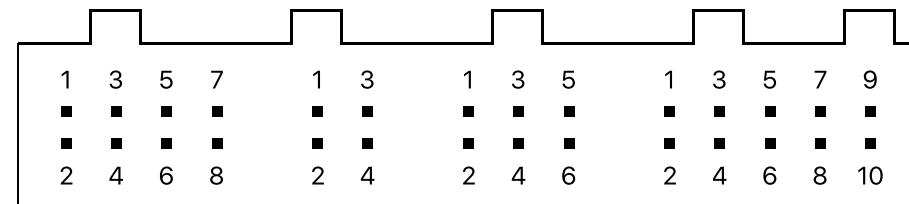
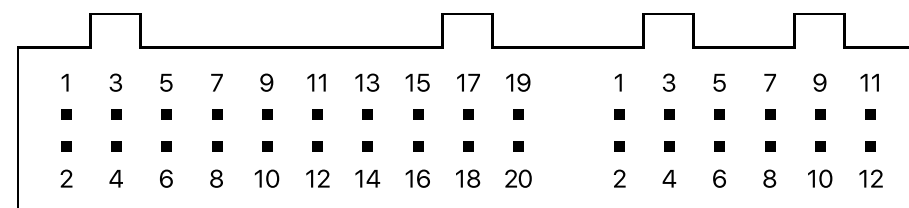
1. Reboot system: OS and applications will reboot
2. Factory reset, will erase all user data and return to Factory Default settings
Ensure user data is backed up before Factory Reset. User data cannot be recovered after a Factory Reset;
3. System update only works on value update file
4. Key system connect to network and download newer version software and update



Installation:

1. 5G Wi-Fi antenna
2. FM/AM antenna
3. GPS antenna
4. Multifunction Interface
5. Power interface

No all models come with functions listed above. Depending on the features included the User Interface may vary.



1	3	5	7	9	11	13	15	17	19		1	3	5	7	9	11
AMP	AUX_Input_R	AUX_Input_L	SIM_DATA	SIM_DET	SIM_CLK	SIM_RST	SIM_VDD	Front CAM/ Right CAM	MIC-		Left_Turn_Det	AHD_GND	AHD_GND	AHD_GND	AHD_GND	Camera Power 5V
GND	Audio_Out_FL	Audio_Out_FR	GND	SIM_GND	GND	NC	SUB_L	AUX_Input_V	MIC+		Right_Turn_Det	Front AHD	Right AHD	Back AHD	Left AHD	Camera Power 5V
2	4	6	8	10	12	14	16	18	20		2	4	6	8	10	12

1	3	5	7		1	3		1	3	5		1	3	5	7	9
GND	Audio_Out RL	SPDIF Power	CAN-RX		USB_5V	USB_GND		USB_5V	USB_GND	NC		UART_TX	UART_RX	IR Out	Reverse CAM Power +12V	PARKING
SUB_R	Audio_Out RR	SPDIF Out	CAN-TX		USB0_OTG_DP	USB0_OTG_DM		USB1_DP	USB1_DM	NC		2.4G Wifi/BT_Ant	RCA_GND	Reverse Camera	CAMERA_GND	5G Wifi/BT_Ant
2	4	6	8		2	4		2	4	6		2	4	6	8	10

Power Interface

1	3	5	7	9	11	13	15
GND	ACC	Reverse	SWC Key-1	FR-	FR+	FL-	FL+
B+	ILL	SWC Key-2	Ant. Power	RL-	RL+	RR+	RR-
2	4	6	8	10	12	14	16

Multifunction Interface