

# Instruction Manual

**ApplePie Plus / Ultra  
CarPlay AI Box**

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. 15.21 Changes or modification warning Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE RoHS FC

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### ◆ **Warning:**

- In order to protect the driving safety and avoid break the traffic law; Please DO NOT watch videos while driving
- The ApplePie Plus / Ultra is designed for car use only with 5V power 2A power USB cable and get power from car OEM wired CarPlay OTG port only
- It's precision product, please not open the unit by yourself, and contact us if need any assistance
- Please DO NOT put the product in the damp environment or water, in order to avoid electric shock damage and fire accident caused by a short circuit

## ● Description

ApplePie Plus / Ultra is the 4th.version of our ApplePie series CarPlay Android OS box, which streaming video,audio and control data such as touch ,the buttons on the steering wheel, the knob operation and so on, Through the OEM CarPlay USB OTG port in the car, It can mirroring the the Android system to the OEM screen. User can control and operate ApplePie on the original screen, it wirh powerful video decoding and playing ability, fully open software application environment.

## ● Features:

- ApplePie Plus / Ultra CarPlay AI box with 4G LTE built-in
- Android 12.0 system, wireless CarPlay ,wireless Android Auto into one module
- Provide google play store. Free download and install different APP software
- Full free and open system to DIY own ApplePie and different launch
- Dual bluetooth built-in for hand free calling, music and connect Bluetooth TPMS, OBDII etc.
- Mirroring whole Android system to OEM car screen via USB (with CarPlay function)
- HD video display ,watch YouTube, online navigation, online radio multimedia system
- Split screen display and picture in picture display
- OEM touch screen or OEM buttons knob control
- Keep OEM functions ,not impact car original feature
- Easy to connect , power supply by OEM CarPlay USB port
- Built-in 4G/3G/2G, ApplePie can be used as a mobile WiFi route and a WiFi hotspot
- Strong specification to offer a stable performance
- 4G.WiFi,GPS Antenna all built-in the unit

## ● Specification:

ITEMS	SPECIFITION
OS Version	Android 12
CPU	8-core 2.0GHz ApplePie Plus: Qualcomm SnapDragon 665 SM6125 ApplePie Ultra: Qualcomm SnapDragon 662 SM6115
GPU	Adreno 610
DSP	Hexagon 686
Memory	ApplePie Plus: 4G LP DDR3 + 64G eMMC Flash ApplePie Ultra: 8G LP DDR3 + 128G eMMC Flash
Network	2G/3G/4G LTE
2G Frequency	GSM/EDGE 850/900/1800/1900MHz
3G Frequency	UMTS B1/B2/B5/B8
WIFI	802.11a/b/g/n/AC, 2.4G+5G
4G Frequency and Coverage area	LTE-FDD B1/B3/B5/B7/B8/B28(B28A,B28B) LTE-TDD B38/B40/B41 Whole Asia,whole Europe, Australia,New Zealand,South America, Middle East and Mediterranean countries
4G Frequency (N. America Version)	Band 2/4/5/7/12/13/25/26/66 (Optional)
USB Input	OTG*1 USBC Port
TF Card	Support 128GB TF Card
Bluetooth	Dual BT Master BT5.0 & Slave BT5.0
GNSS	GPS/GLONASS/Beidou
Power	5V 2A
Operation Temperature	-10°C -70°C
Storage Temperature	-20°C -80°C

## ● Unit Picture:

No need install, just connect USB to Car OEM CarPlay OTG Interface port



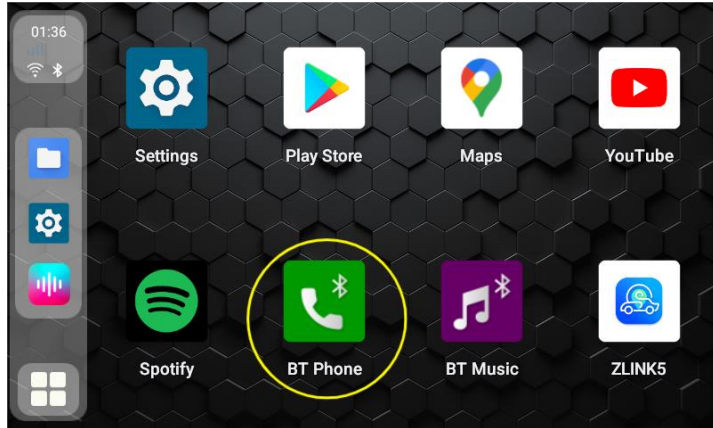
**P.S: Insert the SIM card by the right way as above photo**

**Attention: ApplePie AI box accessories are only a USB cable and a Type C adapter**

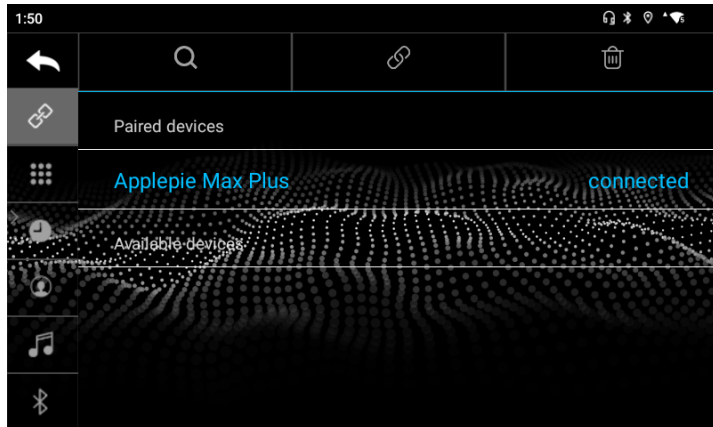
## ● Operation:

### ➤ How to connect ApplePie's Bluetooth phone

You can search for ApplePie from the mobile phone, or search for mobile phones from ApplePie. From the mobile phone, you can find the Bluetooth device name "ApplePie", then complete the Bluetooth pairing connection from ApplePie, click the "BT phone" icon:

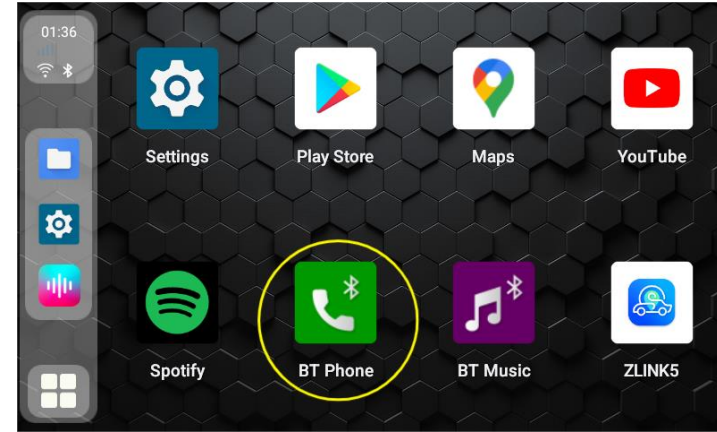


Search the mobile phone, click to select the mobile phone to be connected, click the pairing connection button to complete the pairing and connection



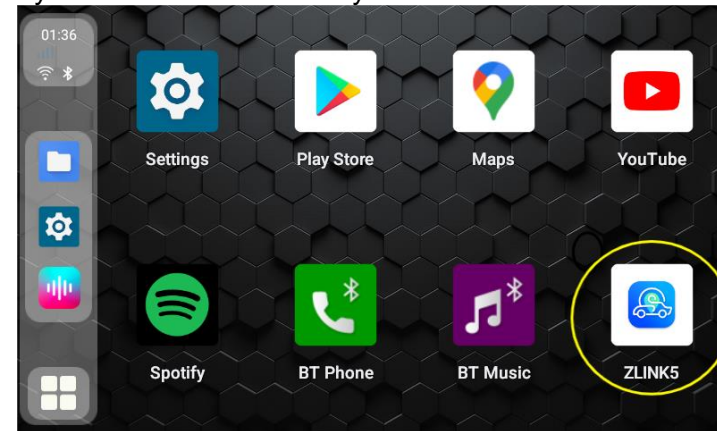
### ➤ How to use wireless CarPlay?

Click the "BT phone" icon to connect the iPhone with the Bluetooth module (slave Bluetooth, BT5.0) on the ApplePie. After the first connection, every time the ApplePie starts, it will automatically connect with the Bluetooth of the iPhone in future



Click the "ZLINK5" icon to enter the wireless CarPlay connection. Then ApplePie will automatically switch to the hotspot sharing mode (at this time, the Wi-Fi switch is automatically turned off), and send the hotspot name and password to the iPhone via Bluetooth. The iPhone establishes a wireless CarPlay connection with ApplePie through the hotspot shared by ApplePie.

After the connection is completed, ApplePie's slave Bluetooth will be automatically turned off, and Wi-Fi will also be automatically turned off (because it has been switched to hotspot sharing mode). Then you will enter the CarPlay.



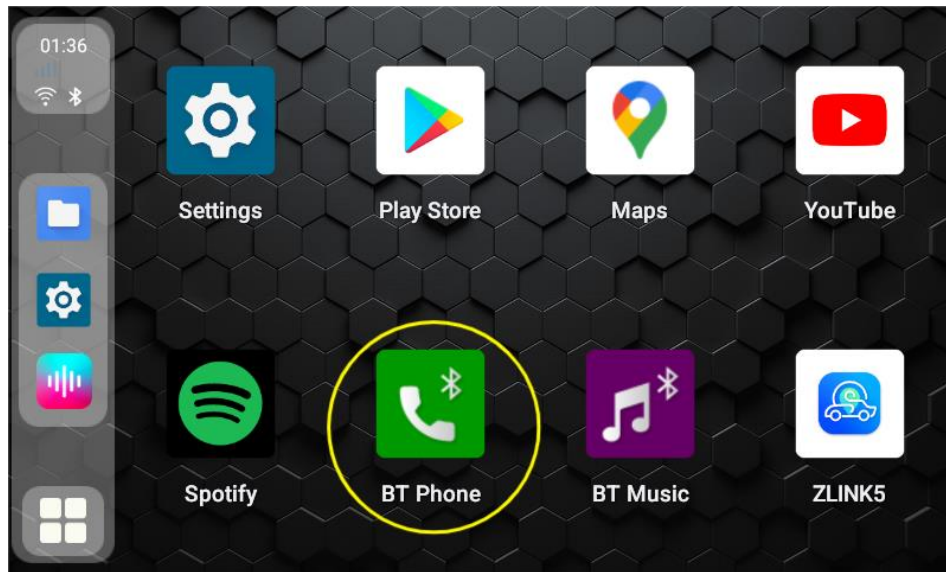
At the CarPlay UI, click the car icon, or click the suspension ball, expand, click the HOME icon, you can return to the launcher of ApplePie.

If you completely close the ZLINK5 app, ApplePie's slave Bluetooth will automatically turn on and reconnect to your iPhone. But ApplePie is still in hotspot sharing mode and will not automatically switch back to Wi-Fi mode. If you need to use Wi-Fi now, you can pull down the status bar and turn it on directly through the Wi-Fi switch in the status bar.

## ➤ How to use wireless Android Auto

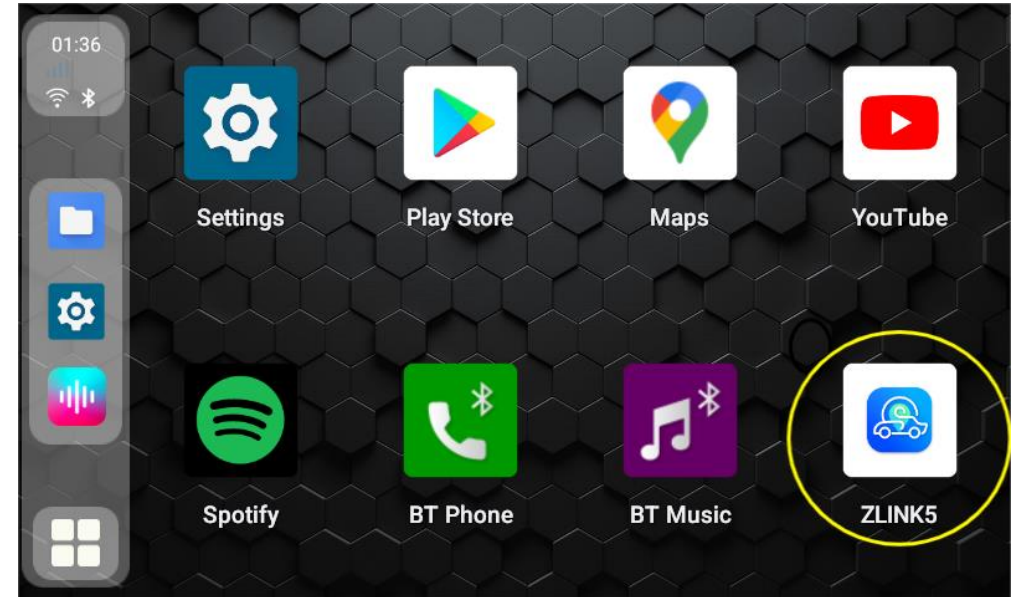
### Android mobile phone with local 5G to support wireless Android Auto function

Click the "BT phone" icon to connect the Android mobile phone with the Bluetooth module (slave Bluetooth, BT5.0) on the ApplePie. After the first connection, every time the ApplePie starts, it will automatically connect with the Bluetooth of the Android mobile phone



Click the "ZLINK5" icon to enter the wireless Android Auto connection. Then ApplePie will automatically switch to the hotspot sharing mode (at this time, the Wi-Fi switch is automatically turned off), share a hotspot, and send the hotspot name and password to the Android Phone via Bluetooth. The Android Phone establishes a wireless Android Auto connection with ApplePie through the hotspot shared by ApplePie

After the connection is completed, ApplePie's slave Bluetooth will be automatically turned off, and Wi-Fi will also be automatically turned off (because it has been switched to hotspot sharing mode). Then, you will enter the Android Auto UI

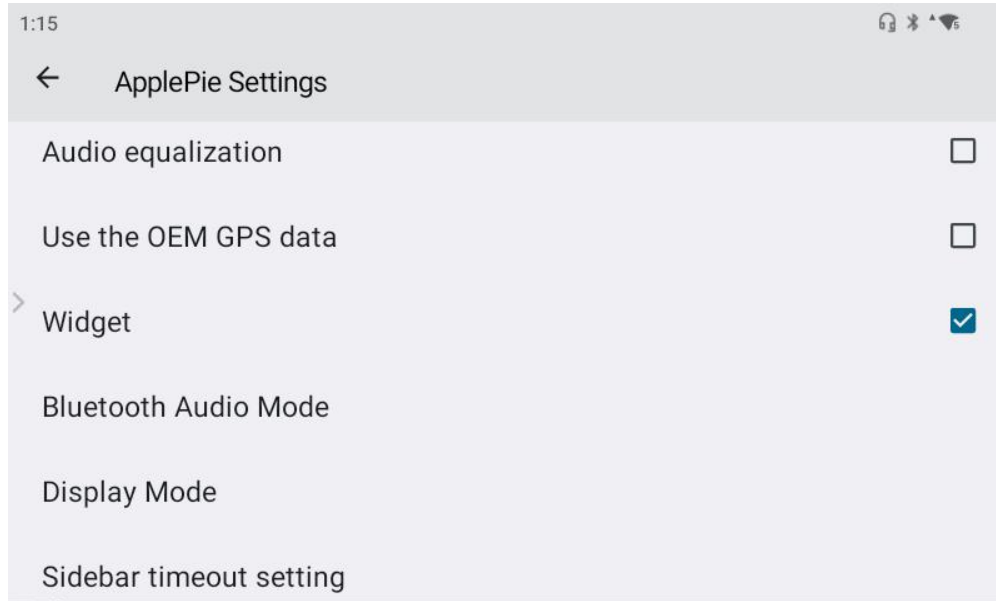


At the Android Auto UI, click the car icon, or click the floating ball, expand, click the HOME icon, you can return to the launcher of ApplePie

If you completely close the ZLINK5 app, ApplePie's slave Bluetooth will automatically turn on and reconnect to your Android Phone. But ApplePie is still in hotspot sharing mode and will not automatically switch back to Wi-Fi mode. If you need to use Wi-Fi now, you can pull down the status bar and turn it on directly through the Wi-Fi switch in the status bar



## ➤ ApplePie setting



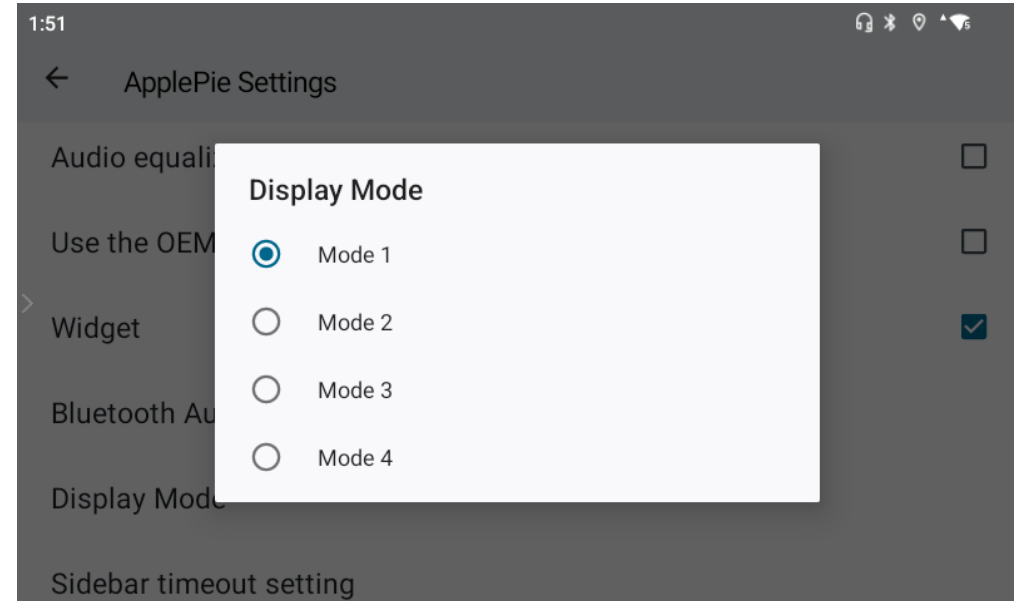
**Audio Equalization:** It's adjust audio quality with checked as default.

**Navigation voice:** Allow you to specify an APP to join our navigation software white-list, and the system handles the sound type of this APP in accordance with the navigation software, You can add Navi App if it's not on the list.

**Voice assistant:** Allow you to specify an APP to use the original car's voice button (long press for 3 seconds) or the voice button on the floating ball to wake up, You can add own voice assist APP to the list as default. Factory setting default google voice .

**Copy log file to SD Card:** Make and send the working log of ApplePie box to micro SD card, it's for R&D and debugging. Simple insert a empty micro SD card and it will make the Log files "DebugQ.zip" automatically when the ApplePie box power on.

**Display Mode:** The ApplePie box has four different display Mode, chose one mode that fit for your car completely in ApplePie setting as below:



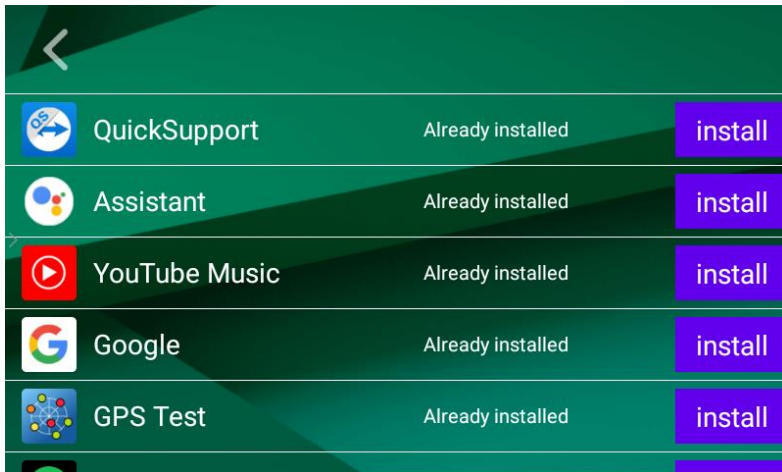
## ➤ Floating ball

The floating ball can be seen by touching the screen on any menu, functions of the buttons after clicking on the floating ball to expand are: Home, Return, Recently, Return to the original car UI, Voice, one button split screen display , clear memory as below photo:



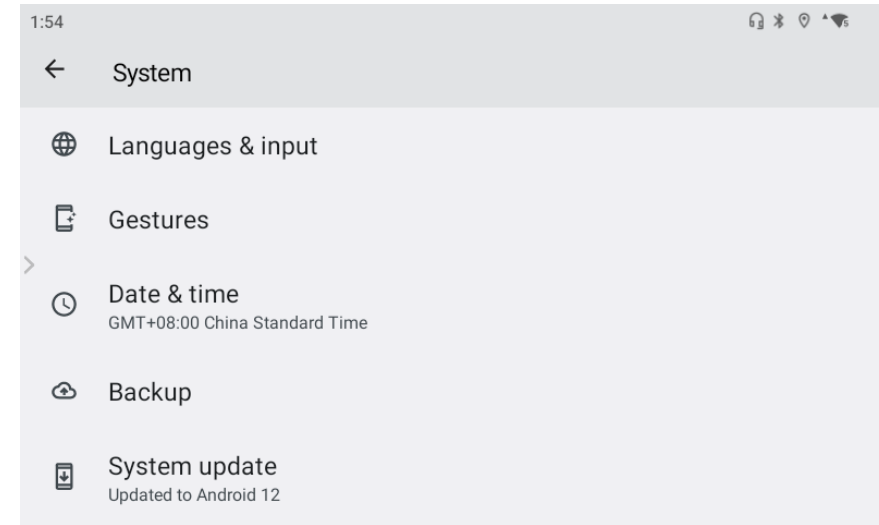
## ● Reinstall the APPs:

ApplePie pre-install many applications. If you updated new version of the APPS, And it not works properly, You can install the pre-install APP again by Install manager via “APKManager”



## ● Reset to factory setting:

If you have to reset the ApplePie Plus / Ultra to factory setting, Click advanced in system by setting, Enter reset options ,Please double confirm the 3 options you checked to avoid any incorrect operation to lost the data in your ApplePie Max Plus.



## ● Firmware Update :

1. Download the firmware and copy file "APM1288.zip" and "ApplePieUpdate.json" (for ApplePie Plus) or "APM1688.zip" and "ApplePieUpdate.json" (for ApplePie Ultra) to empty micro SD card directly  
no need decompress
2. Insert it to micro Card slot ,Power on the unit it will copy the file to the Apple Mini.
3. After it finishing copy , it takes 5mins to update. wait till it retool.and take out micro SD card.
4. Please keep power on in the whole upgrading.