

# Instruction Manual

ApplePie Mini 2.0 (AI-996N) CarPlay AI Box

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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 Mini 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 Mini is the 3rd.version of our ApplePie Series CarPlay Android Car Smart 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 interface in the car, and mirroring the whole Android system to the OEM screen. User can control and operate Apple Pie on the OEM screen, powerful video decoding and playing ability, fully open software application environment

## ● Features:

- ApplePie AI Android CarPlay MMB box with 4G built-in
- Android 9.0 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 OTG plug
- HD Video display ,Watch YouTube, online navigation, online radio multimedia system
- Split screen display and picture in picture display
- OEM Touchscreen or OEM Buttons knob control
- Keep OEM Function ,not impact OEM 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	SPECIFICATION
OS Version	Android 9.0 ( GSM Available )
CPU	QualComm 8 Core Processor
Memory	4G LP DDR3 + 64G 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 LTE-TDD B38/B40/B41 Asia Pacific,the whole of Europe, Australia,New Zealand,South America, Middle East and Mediterranean countries
4G Frequency (North America Version)	Band 2/4/5/7/12/13/25/26/66
USB Input	OTG*1 Port USB 2.0
TF Card	Support 128GB TF Card
Bluetooth	Dual BT Master BLE4.2 & Slave BT5.0
GNSS	GPS/GLONASS/Beidou
Power	5V-12V 2A
Operation Temperature	-10℃-70℃
Storage Temperature	-20℃-80℃

## ● Unit Picture:

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



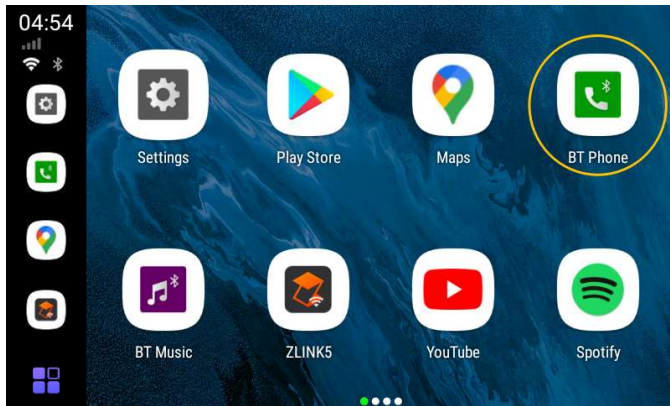
**P.S:** Insert Micro SD & 4G Sim card as above photo

**Attention:** ApplePie Mini accessories are only a USB cable and a Type C adapter as above photo

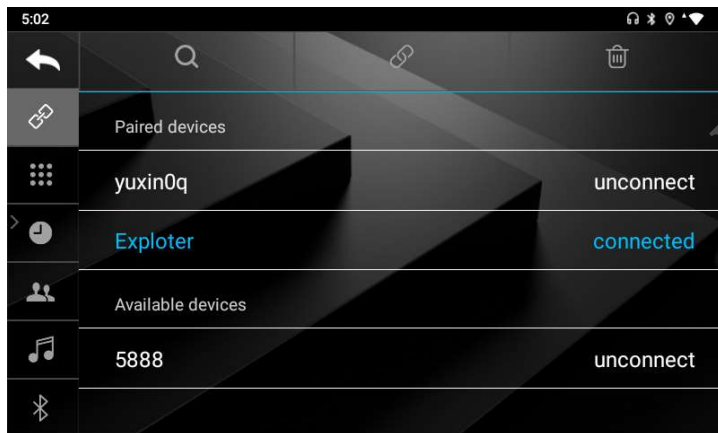
## ● Operation:

### ➤ 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:

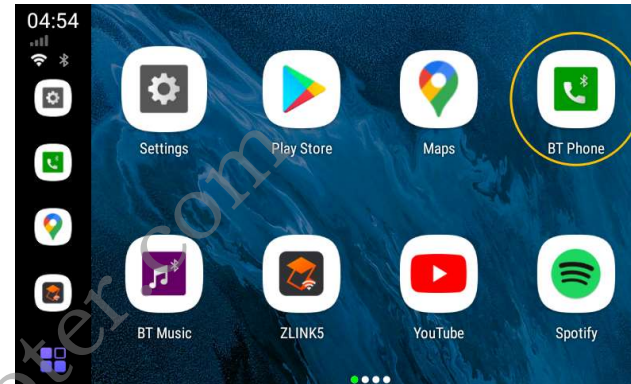


Search the mobile phone, Click to select the mobile phone to be connected, Click the pairing connection button to complete the pairing and connection



### ➤ How to use wireless CarPlay?

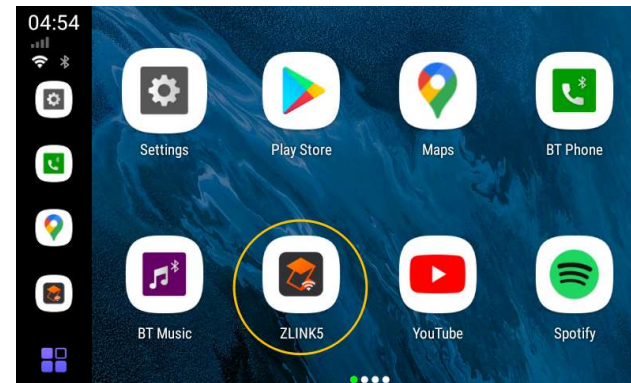
Click the "BT phone" icon to connect the iPhone with the Bluetooth module (slave Bluetooth, BT5.0) on the ApplePie. After the first connection, every time the ApplePie starts, it will automatically connect with the Bluetooth of the iPhone in future



Click the "ZLINKS" icon to enter the wireless CarPlay connection

Then ApplePie will automatically switch to the hotspot sharing mode (at this time, the WiFi switch is automatically turned off), share a hotspot, 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 WiFi will also be automatically turned off (because it has been switched to hotspot sharing mode). Then you will enter the CarPlay



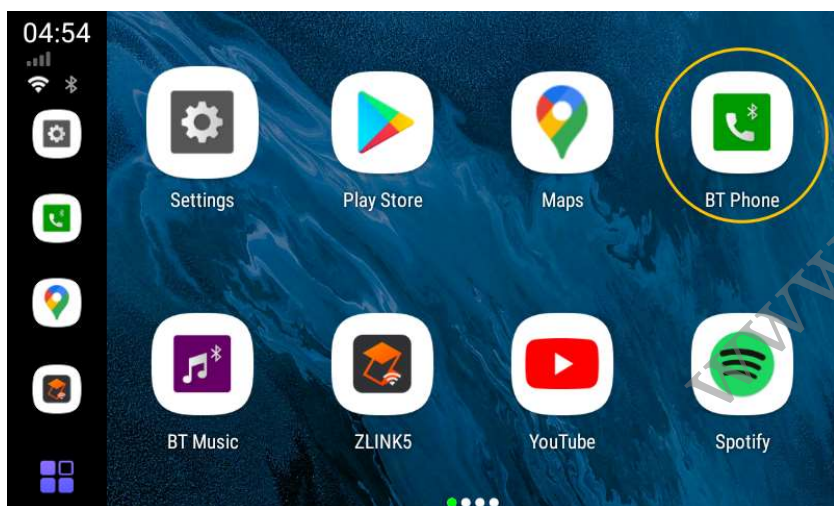
At the CarPlay UI, click the car icon, or click the suspension ball, expand, click the HOME icon, you can return to the launcher of ApplePie.

If you completely close the ZLINKS 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 WiFi mode. If you need to use WiFi now, you can pull down the status bar and turn it on directly through the WiFi switch in the status bar.

## ➤ How to use wireless Android Auto

### Android 11 mobile phone with local 5G to support wireless Android Auto function

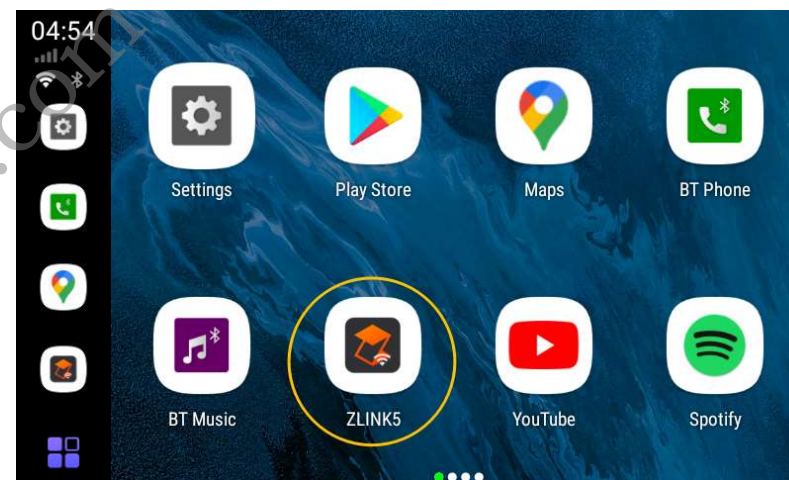
Click the "BT phone" icon to connect the Android mobile phone with the bluetooth module (slave bluetooth, BT5.0) on the ApplePie. After the first connection, every time the ApplePie starts, it will automatically connect with the bluetooth of the Android mobile phone



Click the "ZLINKS" icon to enter the wireless Android Auto connection

Then ApplePie will automatically switch to the hotspot sharing mode (at this time, the WiFi 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

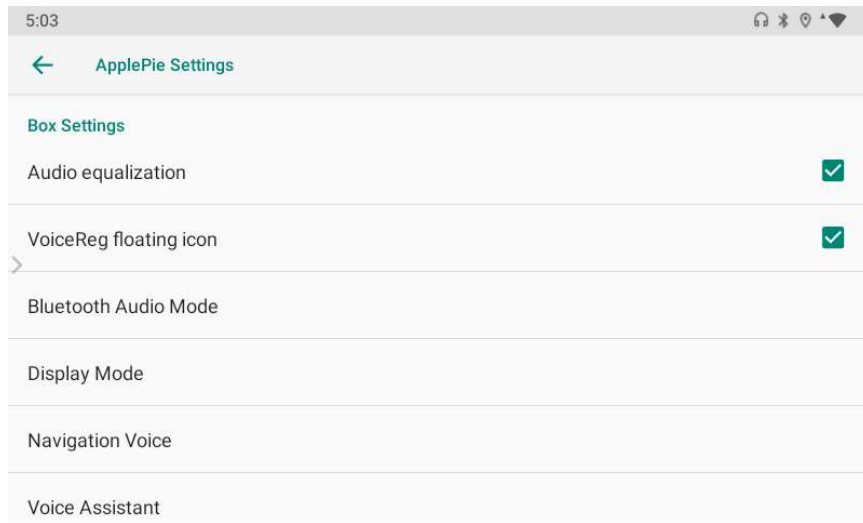
After the connection is completed, ApplePie's slave bluetooth will be automatically turned off, and WiFi will also be automatically turned off (because it has been switched to hotspot sharing mode). Then, you will enter the Android Auto UI



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 ZLINKS 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 WiFi mode. If you need to use WiFi now, you can pull down the status bar and turn it on directly through the WiFi switch in the status bar

## ➤ ApplePie setting



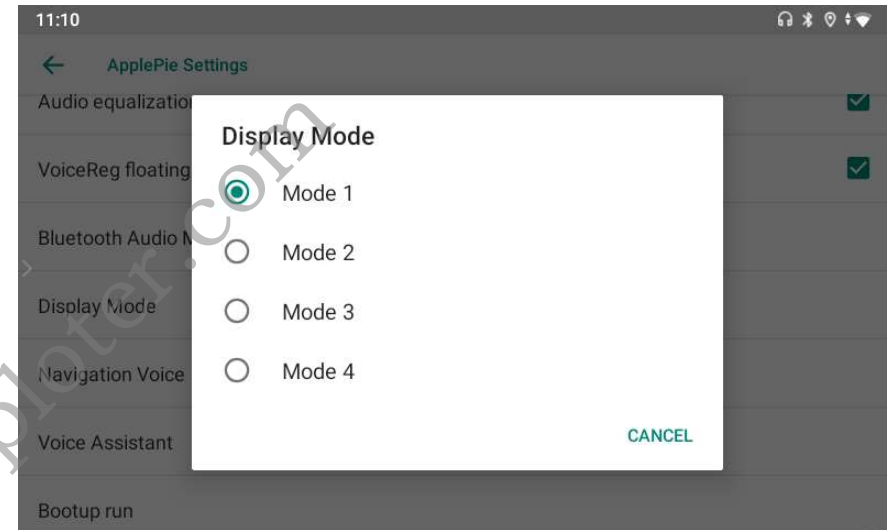
**Audio Equalization:** It's adjust audio quality with checked as default.

**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 .

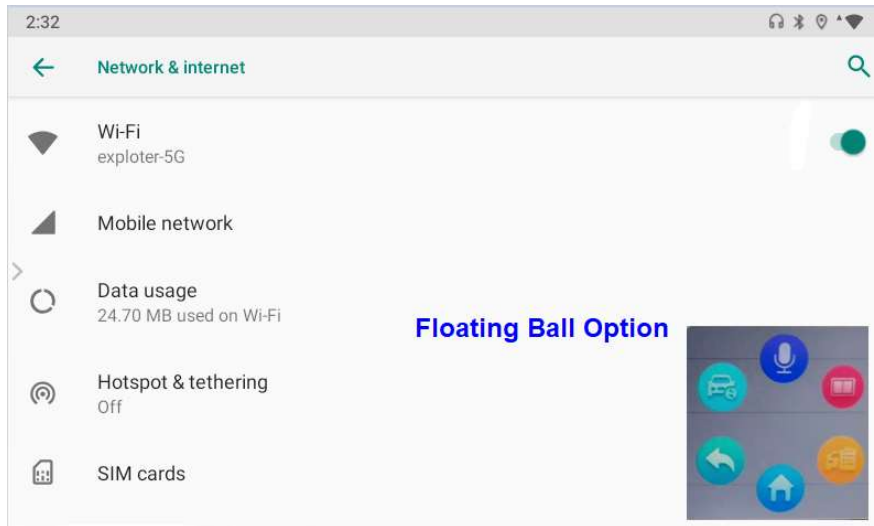
**Copy log file to SD Card:**Make and send the working log of ApplePie mini to micro SD card, it's for R&D and debugging. Simple insert a empty micro SD card and it will make the Log files "Debug.zip" automatically when the ApplePie Mini power on.

**Display Mode:** The ApplePie Mini 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:

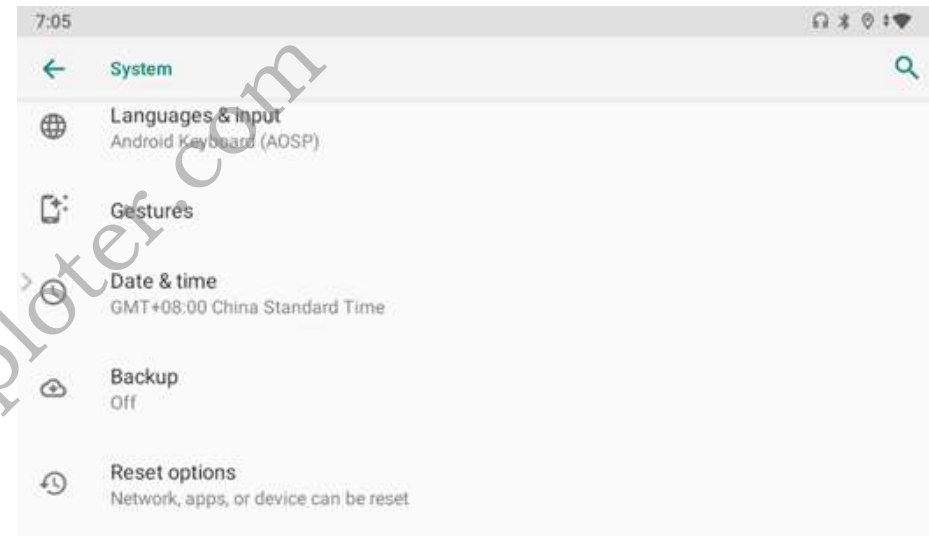


## ● Recover the APPS:

If you deleted one APP accidentally, just back to factory setting, it would recover the APP

## ● Reset to factory setting:

If you have to reset the ApplePie Mini 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 Mini.



## ● Firmware Update :

1. Download the firmware and copy file APM888.zip 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.