Instruction Manual

Universal ApplePie AI Android 9.0 Box

● Description

ApplePie Mini is the 2nd.version of our ApplePie Series CarPlay Android Car Smart Box, which stream 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 all kinds of 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
➢ Slip screen display and picture in picture
➢ OEM Touchscreen or OEM Buttons knob control
➢ Keep OEM Function ,not impact OEM features
➢ Easy to connect , power supply by OEM CarPlay USB port
➢ Built-in 4G/3G/2G, ApplePie can be used as a mobile WiFi route to be a hotspot to other device
➢ Strong specification to offer a stable performance
➢ 4G.WiFi,GPS Antenna all built-in the unit

● Compatible cars:

Mercedes-Benz | Audi | BUICK | Cadillac

CHEVROLET | LINCOLN | LAND ROVER | KIA | NISSAN

MAZDA | HONDA | HYUNDAI | GMC | FIAT

LEXUS | CITROËN | PORSCHE | Ford | VW

DODGE | JAGUAR | PEUGEOT | Ferrari | VOLVO

Jeep | MASERATI | INFINITI

● **Specification:**

ITEMS	SPECIFITION
OS Version	Android 9.0 (GSM Available)
CPU	QualComm 8 Core Processor
Memory	4G LP DDR4 + 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	LTE-FDD B1/B3/B5/B7/B8/B28
	LTE-TDD B38/B40/B41
4G Coverage area	Asia Pacific (including mainland China, HongKong, Macao and Taiwan, Southeast Asian countries), the whole of Europe, Australia, New Zealand, South America, Middle East and Mediterranean countries
USB input	OTG*1 Port USB2.0
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 °C~70 °C
Storage Temperature	-20 °C~80 °C

● **Unit Picture:**

● Compare with Other AI Android box:

Items Compare Features	ApplePie(Our Box)	AI Box 1	AI Box 2
CPU Brand	Gualcomm	Rockchip	All Winner
CPU Cores	8core 2.0GHz	6Core 1.8GHz	4core 1.5GHz
DDR	4G	4G	2G or 4G
EMMC Flash	64G	32G	16G or 32G
WiFi	802.11a/b/g/n/AC,2.4G+5G	802.11a/b/g/n/AC,2.4G	802.11a/b/g/n/AC,2.4G
MIFI（Mobile WIFI possible to offer Hotspot to other device)	Yes	No	No
4G LTE High Speed Network	Yes	No	No
3G Data Network	Yes	No	No
2G Voice Network	Yes	No	No
Master BT connect BT Keyboard,Mouse,TPMS,OBDII	BLE 4.2	No	No
Slave BT Conect to Mobile Phone for handfree calling,Stream music	BT 5.0	BT 5.0	BT 4.2
GPS	Yes	Yes	Yes
GLONASS	Yes	Yes	Yes
Beidou	Yes	Yes	Yes
USB OTG Port	Yes	Yes	Yes
TF Card	Maxmum to 128G	No	No
SIM Card	Yes	No	No
Android OS	9.0	9.0	7.0
Wireless CarPlay	Yes	No	No
Wireless Android Auto	Yes	No	No
Mirror Link	Yes	Yes	Yes
Power Supply	USB 5V	12V from Car Fuse	USB 5V

● 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:
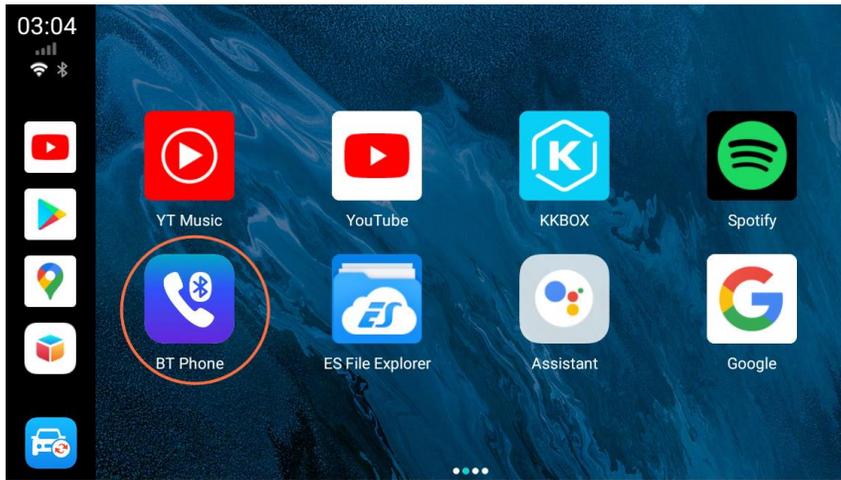
Search the mobile phone, Click to select the mobile phone to be connected,
Click the pairing connection button to complete the pairing and connection
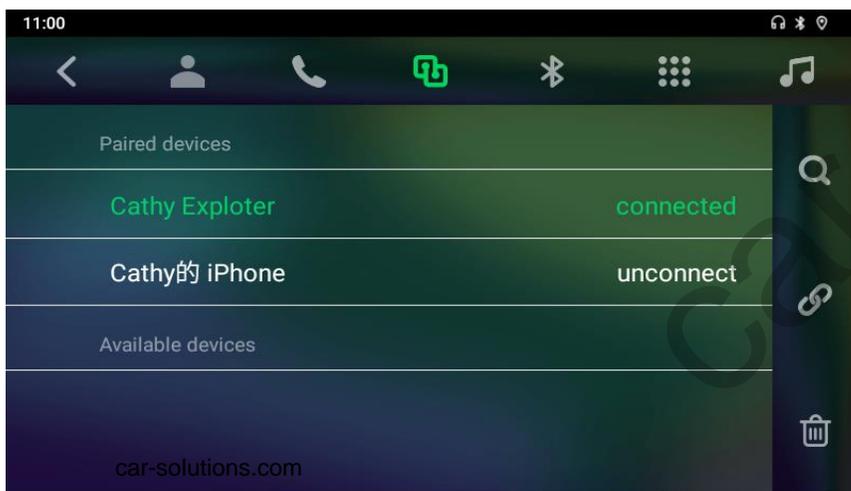
➢ How to use wireless Carplay?

Click the "BT phone" icon to connect the iPhone with the Bluetooth module (slave Bluetooth, BT5.0) on the ApplePie. After one connection, every time the ApplePie starts, it will automatically connect with the Bluetooth of the iPhone.
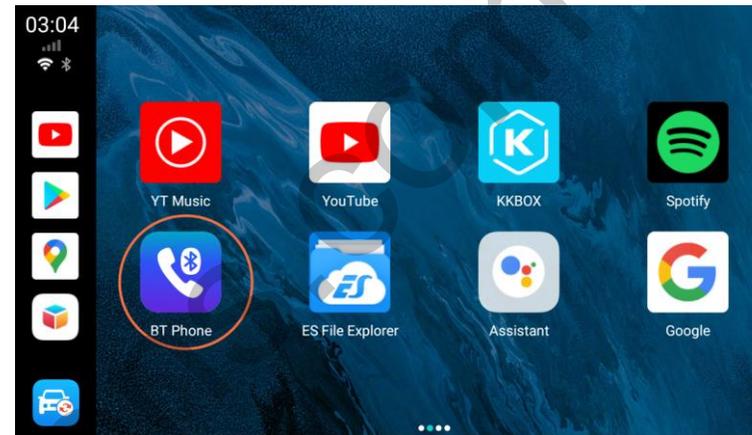
Click the "Speedplay" icon to enter the wireless CarPlay connection.

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 UI.

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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 Speedplay 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 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 one connection, every time the ApplePie starts, it will automatically connect with the bluetooth of the Android mobile phone .
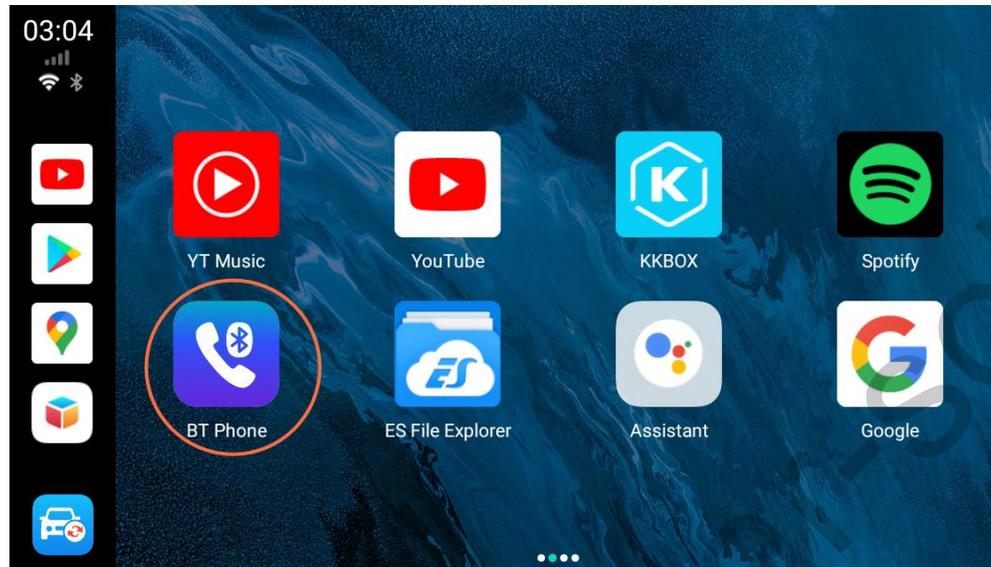
Click the "speedplay" icon to enter the wireless Android Auto connection.
Then ApplePie will automatically switch to the hotspot sharing mode (at this time, the WiFi switch is automatically turned off), share a hotspot, and send the hotspot name and password to the Android Phone via Bluetooth. The Android 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.
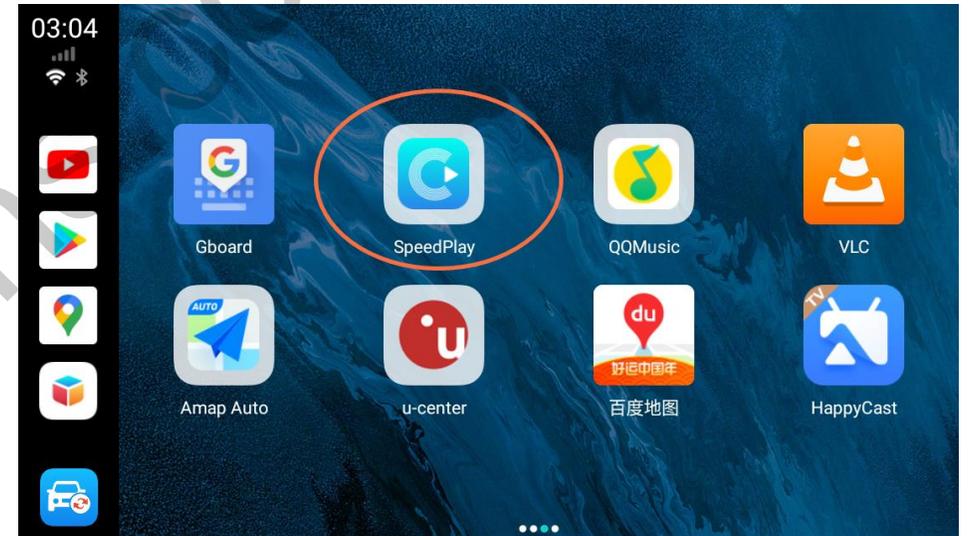
At the Android Auto UI, click the car icon, or click the floating ball, expand, click the HOME icon, you can return to the launcher of ApplePie.

If you completely close the speedplay 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.

➢ About AplePie's setting options
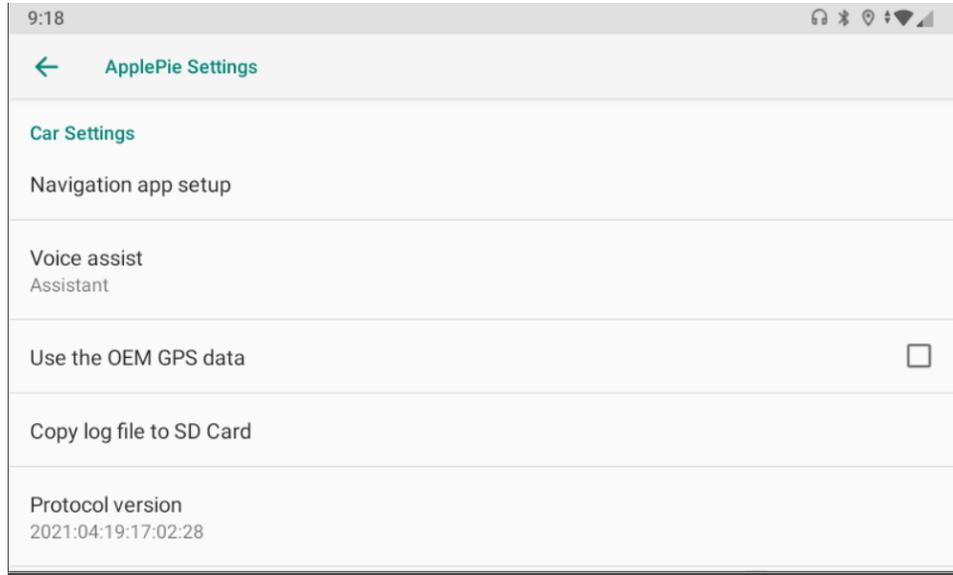
Navigation app setup: Allows you to specify an APP to join our navigation software whitelist, and the system handles the sound type of this APP in accordance with the navigation software.

Voice assist: Allows 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.

Use the OEM GPS data: If this option is checked, the GPS data output from the OEM navigation hardware can be used. If the test is OK, the GPS antenna can not be plugged in. The vehicle does not have navigation hardware, or has navigation hardware, but does not implement GPS data transmission function specified in CarPlay standard protocol , then you can't check this option, you can only connect the GPS antenna to obtain GPS data.

Copy log file to SD Card: Copy the log of startup and system operation to SD card, mainly for R&D and debugging.

➢ About floating ball

The functions of the row of buttons after clicking on the floating ball to expand are: Home, Return, Recently, Voice, Return to the original car UI, Clear memory
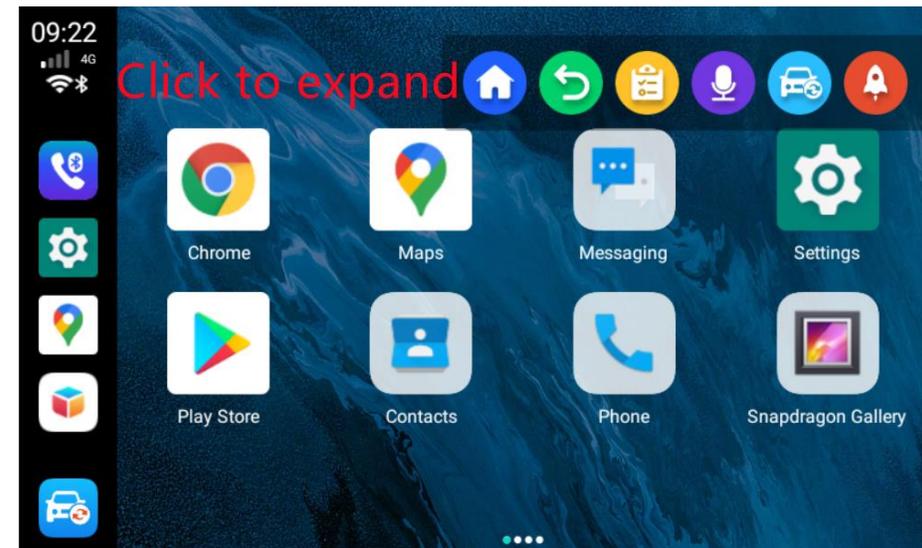
● Restore APP:

ApplePie pre-install many applications.If you updated new version of the APPS, and found it not works properly, you can delete it in Application Manager by long press on APP, and restart the unit, it will restore the pre-installed version.
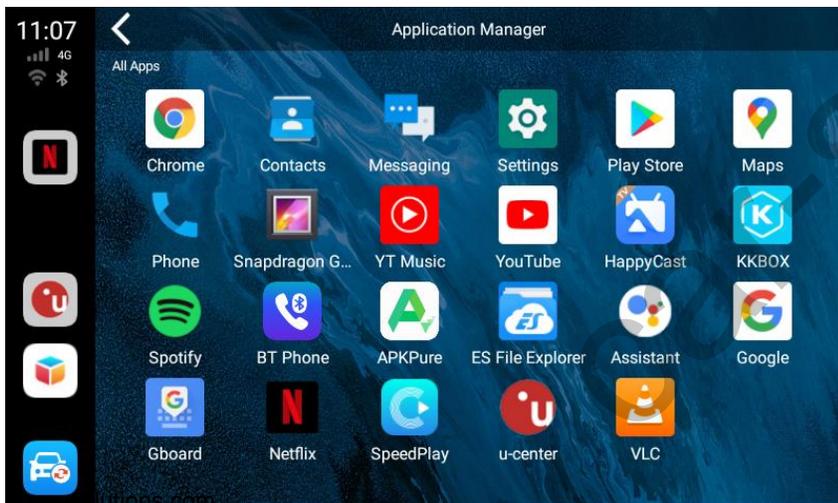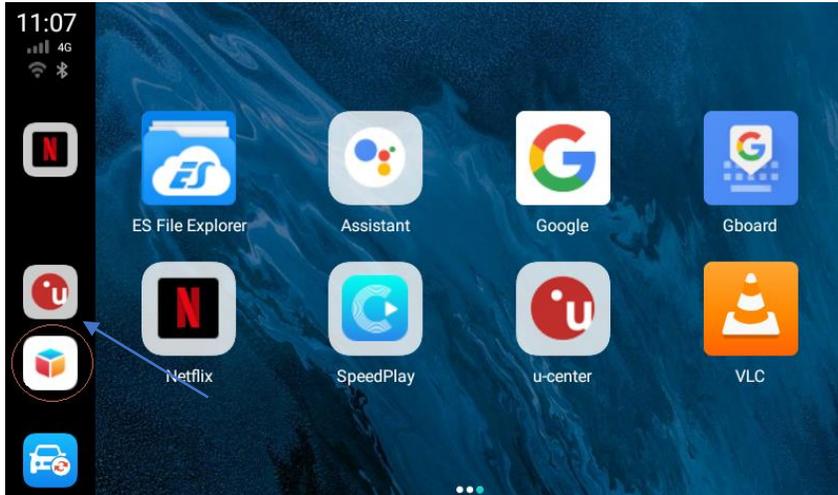
● Update process:

1. Download the firmware and copy file update.zip to empty TF card directly without unzip.
2. Insert it to TF Card slot , turn on the unit it will copy the file to the smart box.
3. After it finishing copy , it takes 6mins to update. wait till it retoot.and take out TF card.