

intelligent Box



1. Functional statement



Carplay



Android Auto



Reversing
video
input



Mirroring



USB Video playback

CarPlay / Android Auto

The built-in vehicle machine interaction system of iPhone cooperates with the central control knob button to provide voice command and control of phone, information, navigation, music, to operate Siri voice interaction to obtain more information; Support wireless and wired connection Carplay

The original ecological Android car-machine interaction system developed by Google, voice control of phone, information, navigation, music built-in voice control system;

Reversing video input Smart module can decode video and can be equipped with rear-view video input (The intelligent module can decode video and install rear view)

Mirroring

Supports wired and wireless mirroring functions for iPhone and Android phones

USB Video playback

Automatic media playback function, can be directly inserted into U disk to play video and audio media

2. Specifications

Operating Voltage: 5V	stored temperature: -30~+85°C
Operating temperature: -30~+75°C	environment humidity: ≤98% (at45°C) , 65±5% (rated)
Power consumption: 1A (rated) , 3A (Max)	Shutdown current: 300mA (Clock is on)
Quiescent Current: less than 3mA	
Charging current: ≤2A, when the USB charging current>1A, the host should activate the circuit protection function to control the current below 1.5A, to avoid burning the product.	

3. Warranty terms

Dear users

Thank you very much for using our products. Our products have passed strict function and performance tests before leaving the factory to ensure that each product is delivered to users in good condition. All products enjoy the three guarantees policy of vehicle electronics.

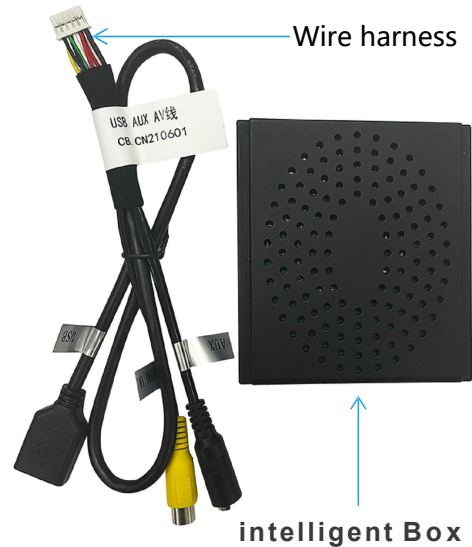
The following regulations will not be covered by the free warranty service

1. Exceeding the free warranty period, the appearance is scratched, dirty or deformed.

2. Failure to use, maintain, dismantle, or modify the product to cause damage.

3. Damage due to force majeure (such as fire, flood, traffic accident, thunder and lightning, earthquake, etc.).

4. Product List



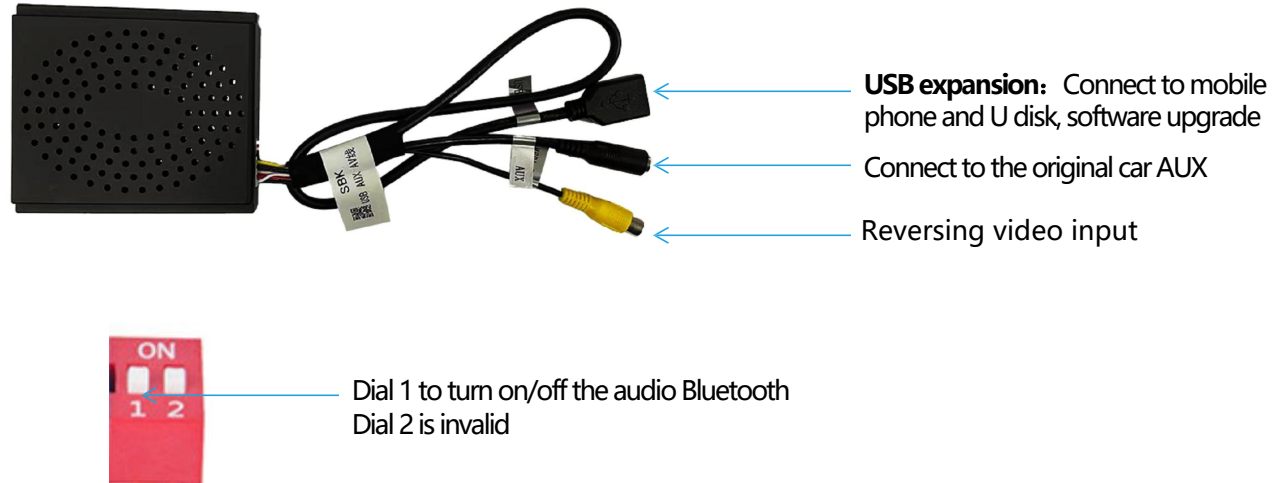
5. Installation diagram



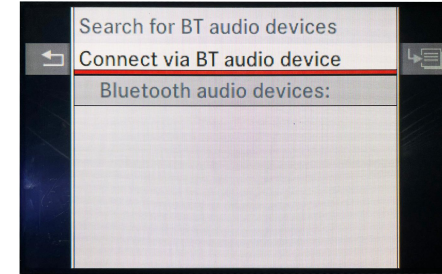
6. Control key operation instructions



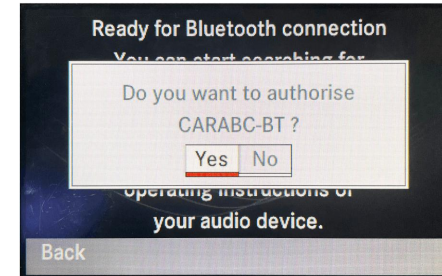
7. Connection diagram



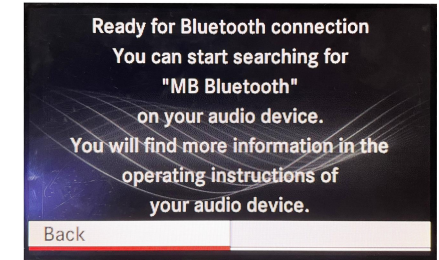
8. Bluetooth audio connection



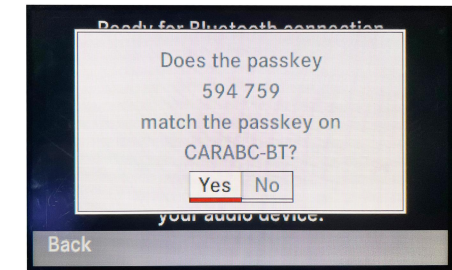
1. Open the Bluetooth audio of the original car host and select Connect via BT audio device



3. Pop up the connection request and click YES

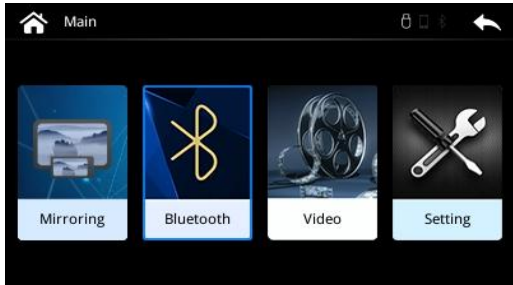


2. Waiting for Bluetooth connection

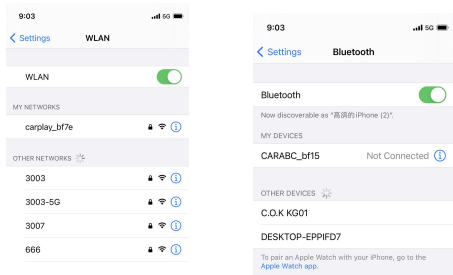


4. Pop up pairing request and click YES

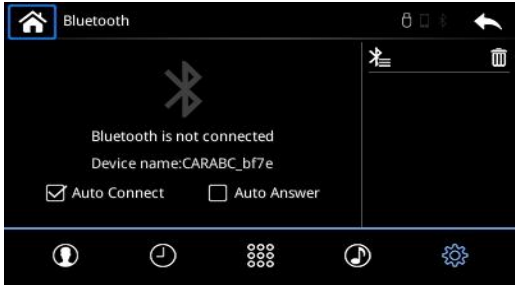
9. Wireless CarPlay connection method



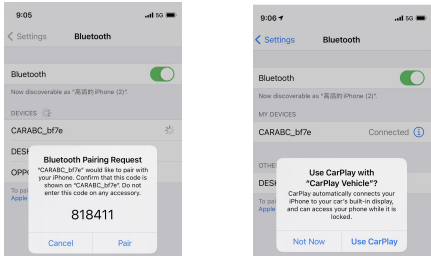
1. Select the Bluetooth option



3. Turn on the phone WiFi and keep it on, then enter the phone Bluetooth interface, select to connect CarPlay Bluetooth

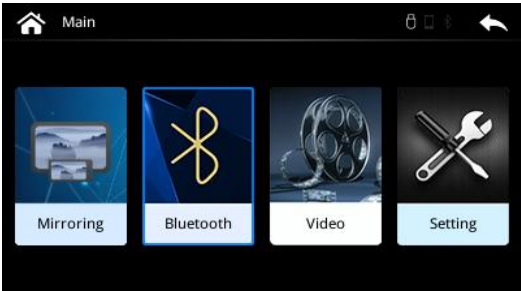


2. Check the Bluetooth name starting with "CARABC-..." in the "Bluetooth" system interface

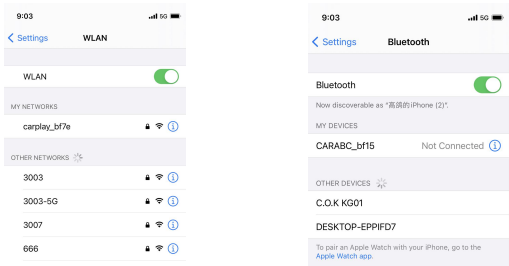


4. Select the Bluetooth name starting with "CARABC-...", a pairing request will pop up, select pairing; after the Bluetooth pairing is successful, the phone will pop up a request to enable the carplay option, select confirm

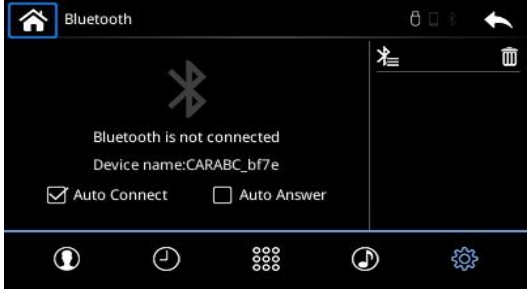
10. Wireless Android auto connection method



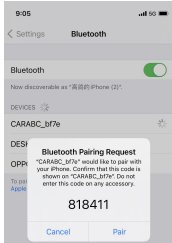
1. Select the Bluetooth option



3. Click on the Bluetooth name beginning with the link "CARABC-...", a pairing request will pop up, just click pairing; after the Bluetooth pairing is successful, the phone will pop up a request to enable the carplay option, just confirm it



2. Check the Bluetooth name starting with "CARABC-..." in the "Bluetooth" system interface



4. Click the Bluetooth name at the beginning of the link "carabc -..." and click pairing. Turn on the Android auto app on the mobile phone, and the system will connect automatically. Above operations are not required for wired connections, just plug and play

11. Apple wireless projection



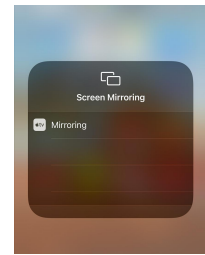
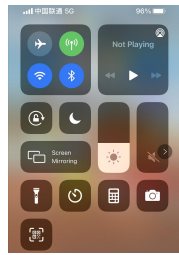
1. Select iphone option in Mirroring function



3. After the carplay wifi connection is successful, return to the main interface of phone, open the shortcut menu bar, select "screen mirroring" and turn on



2. Turn on the phone, select the "Wireless LAN" option, the search bar will show the carplay-... name (the name of carplay...) and click the link, the password is 88888888



4. After the mobile phone "Screen Mirroring" is turned on, select "Mirroring" to complete the wireless screen mirroring

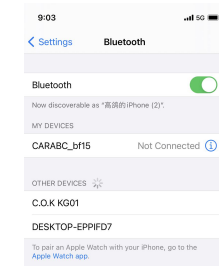
12. Android wireless projection



1. Find the "Bluetooth" function option and enter, check the Bluetooth name in the "Bluetooth" system interface



3. In the system interface, enter the "Mirroring" option, adjust to "Android" to prompt the phone to establish a mobile phone hotspot for communication, the hotspot name and password are displayed in the lower left corner of the connection interface



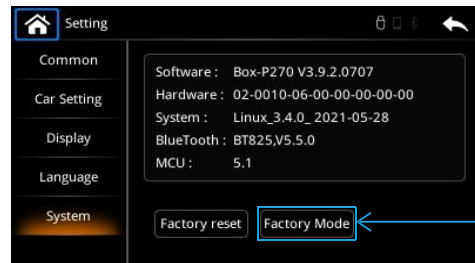
2. First download the "MLink" APP on the phone, turn on the Bluetooth , then find the name starting with "CARABC-..." in the Bluetooth search bar, and select the connection and pairing



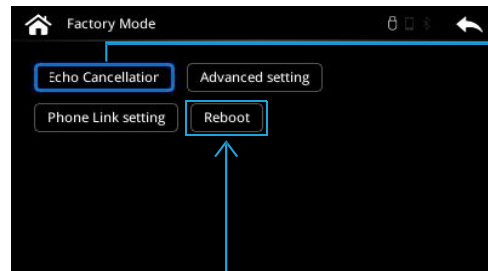
4. Enter the phone settings, find "Personal Hotspot", set the name and password of "Personal Hotspot" to be consistent with the name and password prompted on the "Mirroring" interface, select "5.0 GHz Band" for the hotspot AP frequency band; turn on the "Personal Hotspot" switch , Return to the main interface of the phone and open "MLink" to use wireless projection

13. Echo cancellation

CarPlay system-system settings



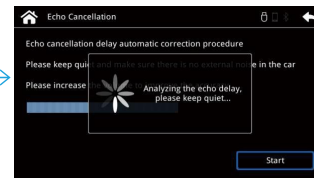
Enter factory mode



Call echo cancellation: If there is an echo, please click this button for echo correction

Let analyze the echo delay finished, noise accuracy:91%!
Please increase the volume to improve the accuracy
Analysis failed, please try again!

Complete the steps in turn, return to the the interface of left picture, and click "reboot" to restart the system, Wait for the system to restart and the selected settings will take effect



When correcting the echo, we must keep: 1. It is quiet in the car;
2. Turn the volume to a moderate position, and then click "start" to start echo correction. Finally, the larger the correction value, the better, as shown in the left figure

§ 15.19 Labelling requirements.

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 Information to user.

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

§ 15.105 Information to the user.

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.