Motorcycle Smart Screen
USER MANUAL

Model: MT7

Smart Travel Device

Warm Tips:

Thank you for purchasing. To provide you with a better experience, we kindly suggest reading this manual carefully.

INDEX

Overview

1. Product Overview:

It is a product that integrates smart streaming, smartphone connectivity (CarPlay, Android Auto, Wi-Fi video), Bluetooth, dash cam, and playback functions for motorcycles. The dash cam features front and rear 1080P cameras, one-touch snapshot, and ultra-low power standby capabilities.

2. Packet Content:

Item	Detail	Instructions
Main Part	Host device	6.86 inch high-definition display(960*480) Touch control / Bluetooth / Wi-Fi / Audio output
	Cameras	FHD 1920*1080P 30FPS
Drive-by-wire	Wire controller	Take pictures, switch pages, turn on / off the touch screen, answer / hang up the phone, etct
	Silicone pad	To adjust wire controller installation
	Hexagonal screw	To install the wire controller
Holder	Holder	Attach the main part to motorcycle
	22mm reducer ring	To adjust bracket mounting
	25.4mm reducer ring	To adjust bracket mounting
	28mm reducer ring	To adjust bracket mounting
Accessories	The power cord	ACC power supply
	SD Card	Please choose a branded Micro SD card from regular channels, not lower than CLASS 10 U1; you can change the card by yourself and support up to 256GB
	Screwdriver	Cross head for screw installation/ removal of Micro SD card slot plug

Item	Detail	Instructions
Accessories	Cable tie	Used for product wiring fixing and installation
	Hexagonal 6-shape tool	To install/remove inner diameter hex screws

3. Product Diagram:

Host Front

Host Back

19.9cm

2.9cm

8.2cm
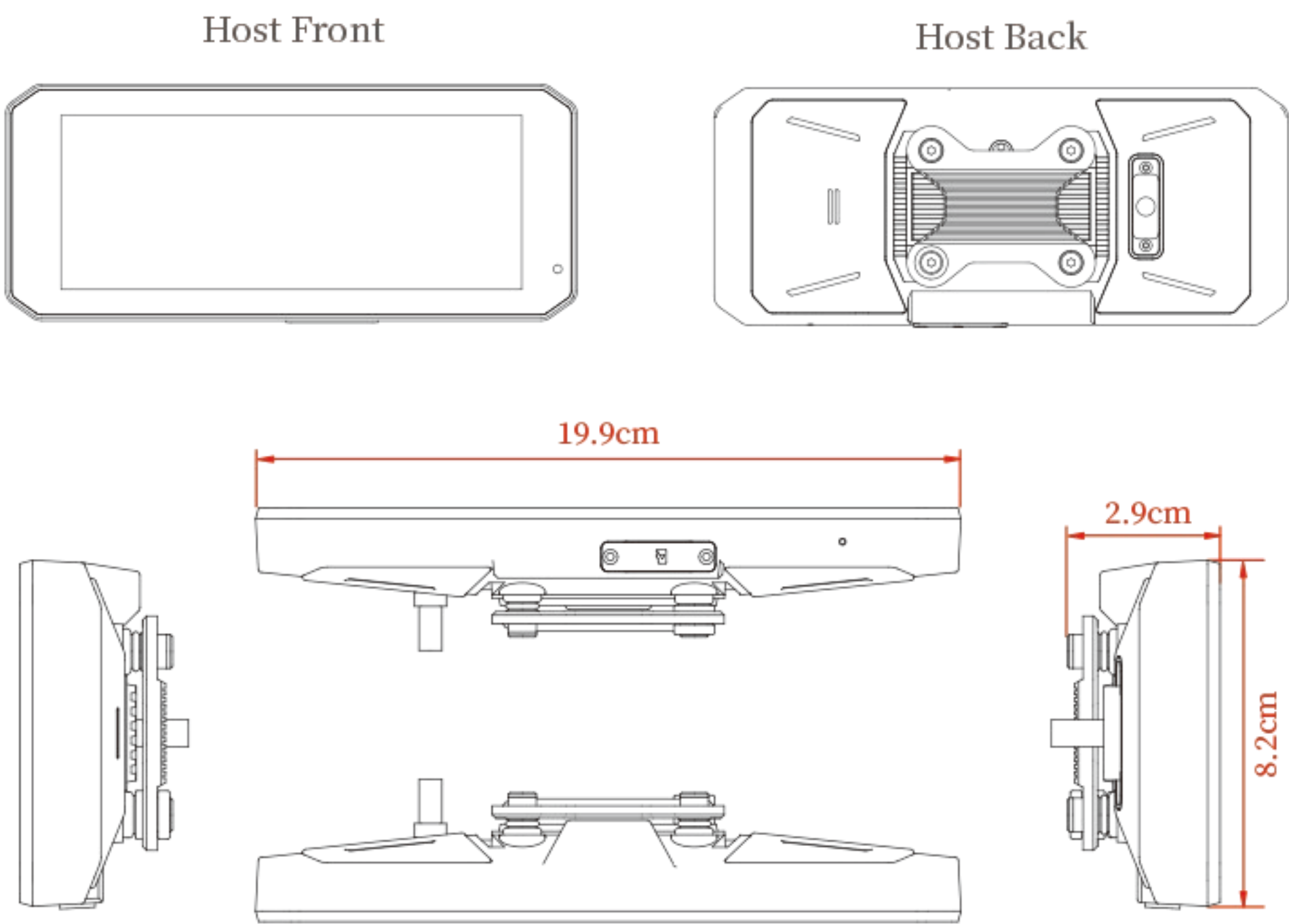
Installation

1. Mount the Main Part:

(1) Take power:

① B+(normal): The yellow power cable is connected to the positive terminal of the battery or the normal circuit. Open the fuse box, and measure the safety or empty safety bit with 12V voltage with a multimeter or a test pen under the ACC state.

② GND: The black cable connects to the negative electrode of the battery or the negative electrode is connected to the iron.
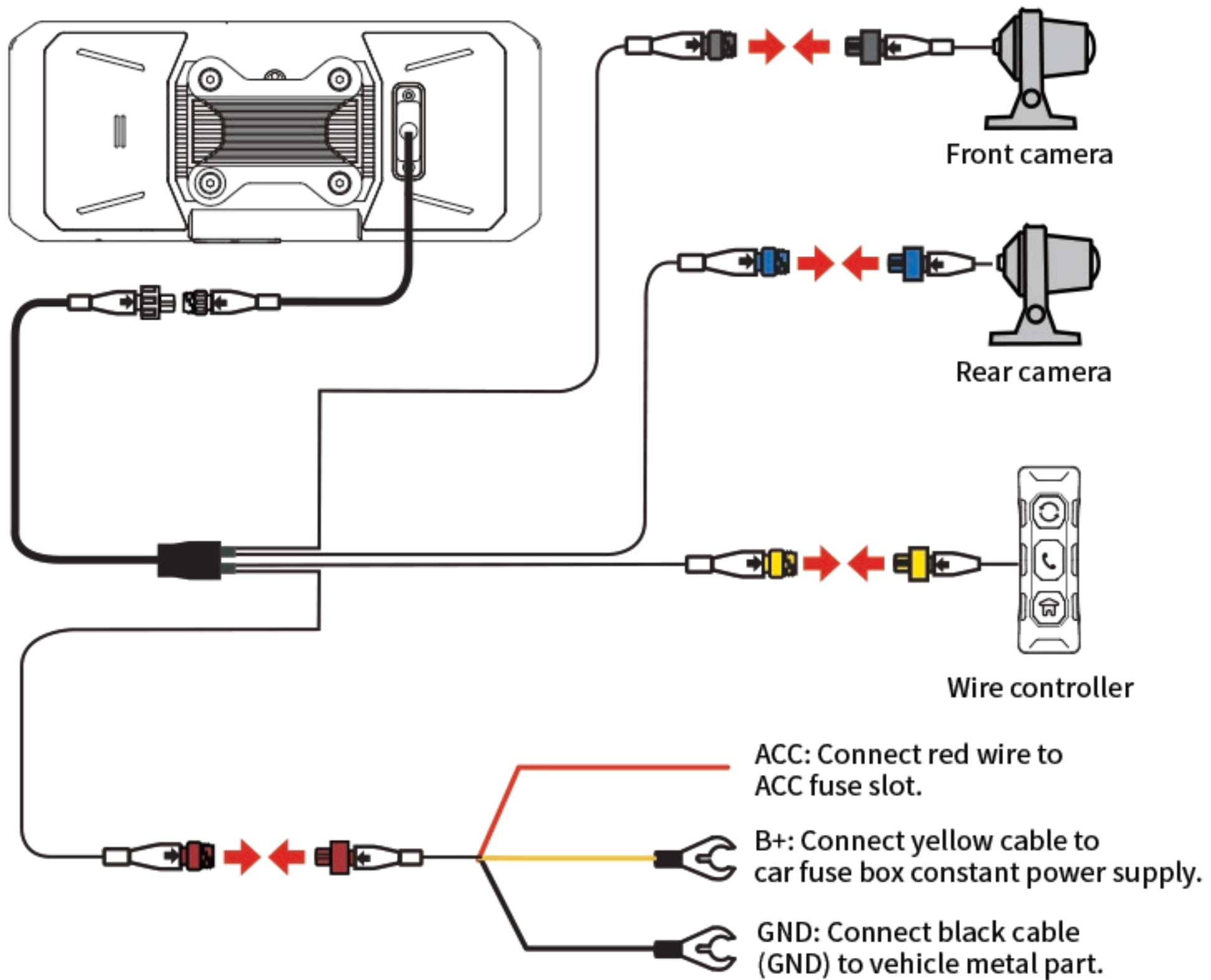
③ ACC: The red wire takes the wire for ACC. Open the safety box, turn off ACC (instrument is not bright) state voltage is 0, and there is 12V safety or empty safety bit in the state of ACC/ start the vehicle, it can be used as ACC power.

Note: Please ensure that all the above three cables are correctly connected before connecting the host to avoid problems.
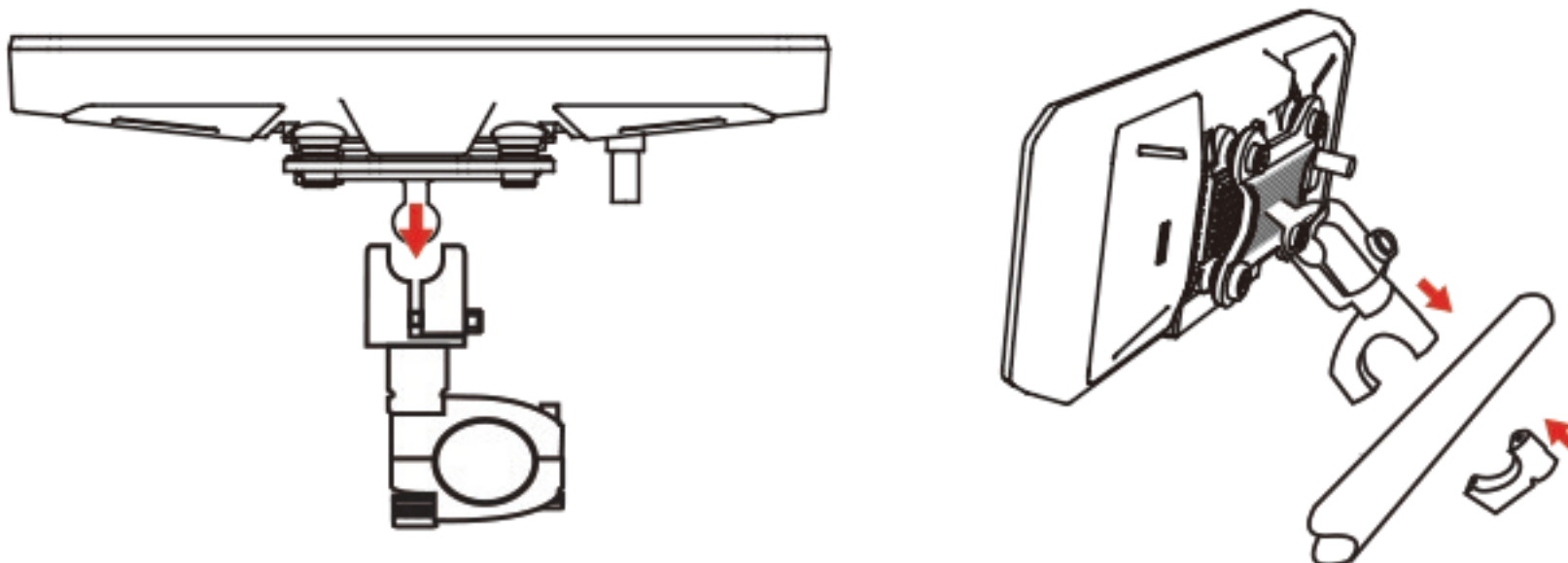

(2) Connection of accessories

The Male and Female connector parts of the four cables on the body are color-marked. Connect the hardwire kit, wire controller, front and rear cameras respectively, always to a wire with the same color connector. Wrong connection may cause no power or malfunction. Note the small protrusions inside the Male to match the Female groove for complete insertion. Misalignment of Male pin and Female hole may damage the pin.

2. Product Wiring Diagram:

Front camera

Rear camera

Wire controller

ACC: Connect red wire to ACC fuse slot.

B+: Connect yellow cable to car fuse box constant power supply.

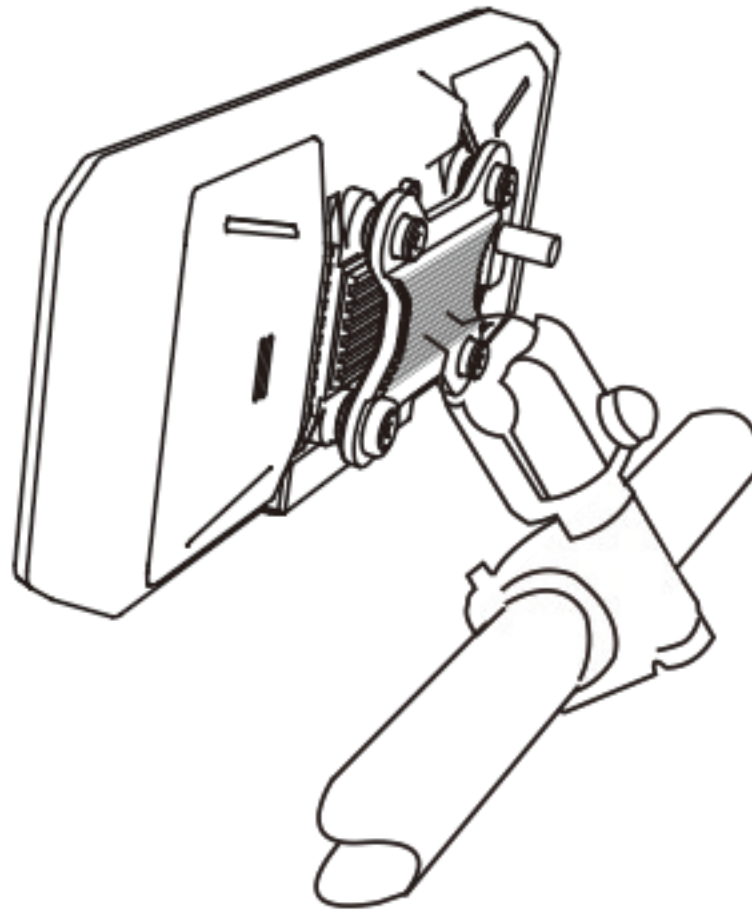GND: Connect black cable (GND) to vehicle metal part.
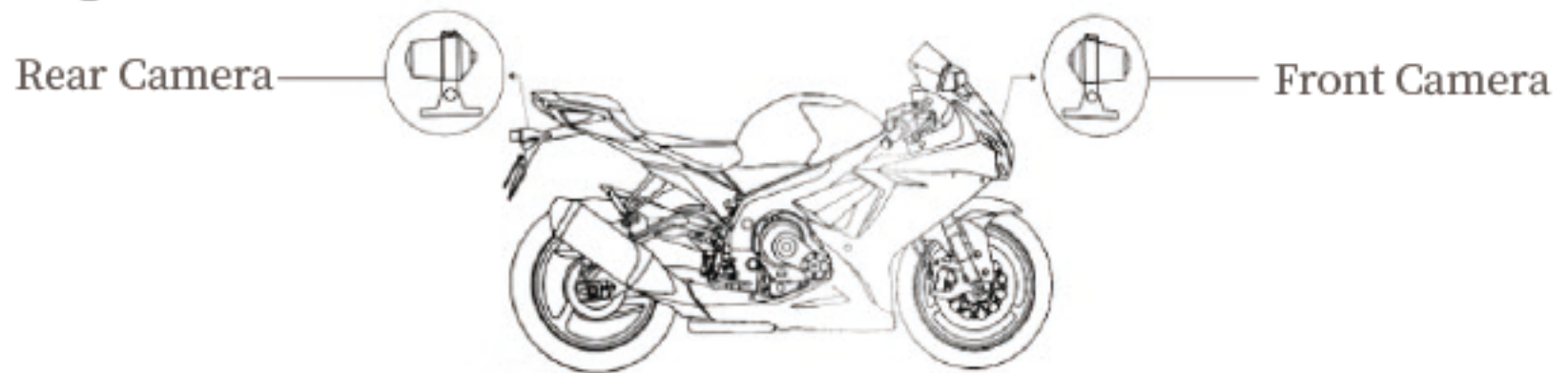
3. Installation Steps:

(1) Host device fixing: Fix the holder and host device together.

(2) Attach the holder to the handlebar of the Motorcycle:

(3) Adjust the lens position to ensure that the lens is centered in the recording frame.

Rear Camera ——— | Front Camera

(4) Attach the wire controller to the far right of the left handle for easy thumb operation.

Front view of
wire controller

Side view of
wire controller

Installation diagram
of left handle

(5) Introduction of wire control function

Key	At Work	Incoming Call
⟳	Short press: Backward view/Return to the previous interface Long press for 10 seconds: Power off/on	Short press to answer the call
📞	Short press: Take a photo Long press for 3 seconds: Lock a video	Short press to end the call
🏠	Short press: Return to Home Page / Mobile-connected interface switching Long press for 5 seconds: Turn off/on touch screen function	/

Note: Only CarPlay Mode allows Users to use the Wire Controller to hang up and answer calls.

4. Installation Overview:

Host — Controller (installed on the handle)
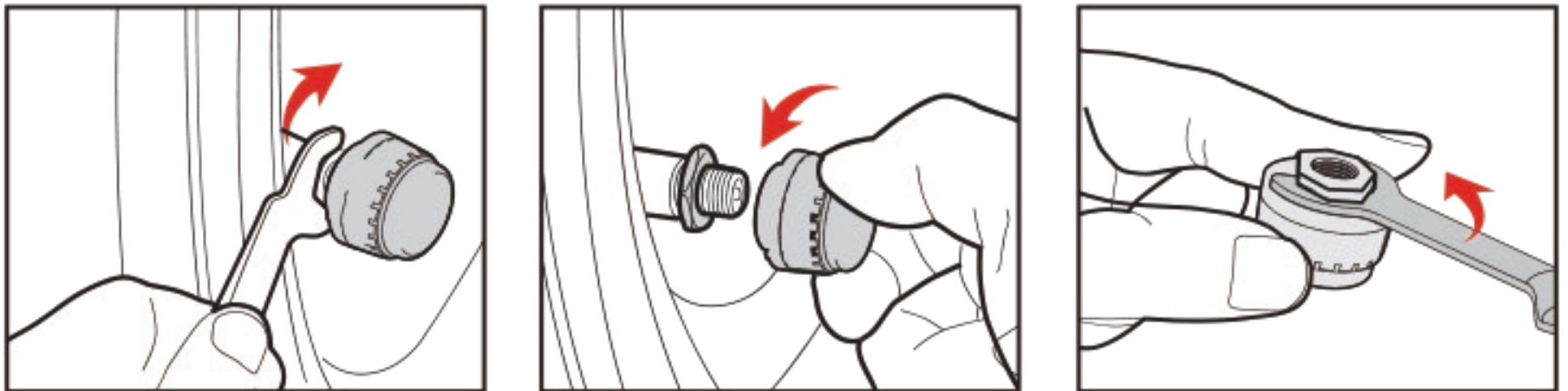Front Camera — Rear Camera
Tire Pressure (optional)
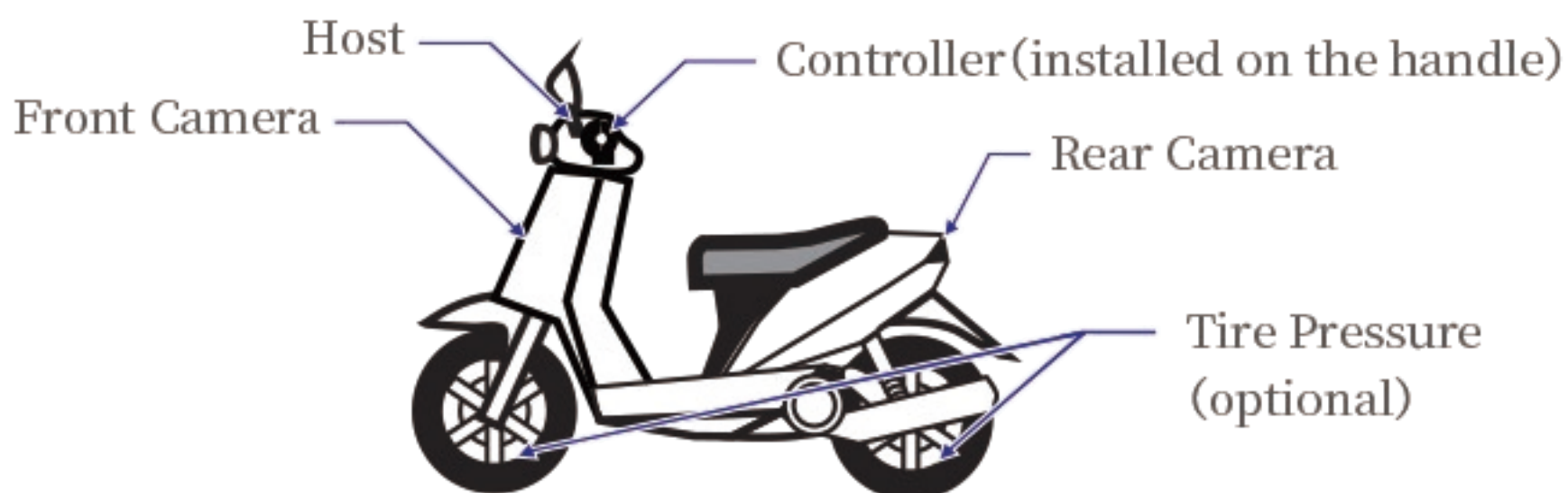
5.Tire Pressure Introduction(selectable)

Installation of Tire Pressure

1 . Screw out valve cap
2 . Rotate the Nut in Counterclockwise
3 . Check for air leakage with soapy water
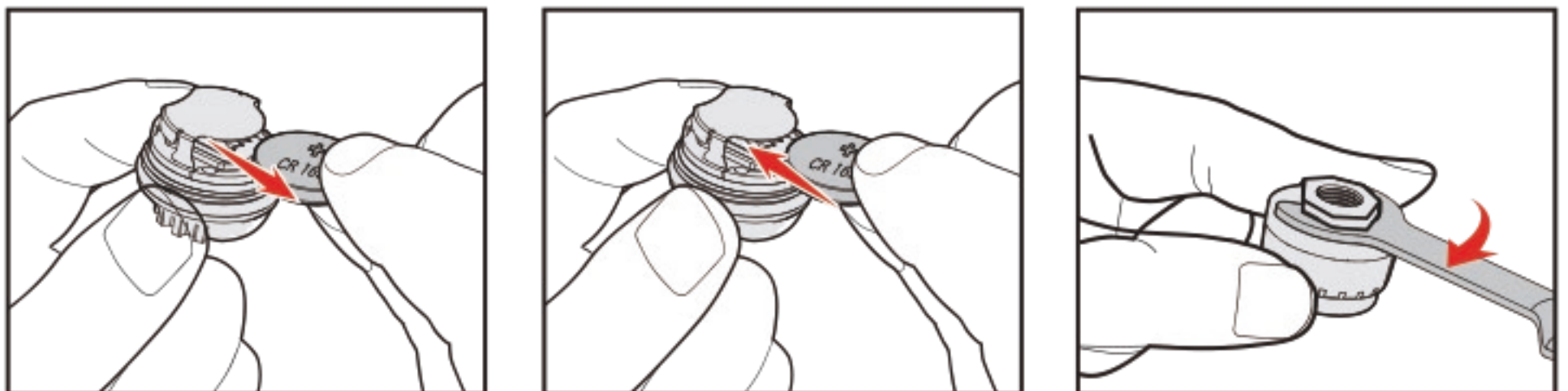4 . Confirm that the host displays tire pressure and temperature

Tire pressure sensor battery replacement guidelines

① Rotate the Nut in Counterclockwise

② Rotate the tire pressure sensor in counterclockwise

③ Rotate the central axis in counterclockwise.

④ Take out the old battery.

⑤ Replace with a new battery(※make sure the "+" is facing upwards).

⑥ Tighten the sensor cover in clockwise.

Function

1. Interface Specification:

① **Brightness:** Click to adjust screen brightness.

② **Setting:** Click to enter the function settings interface.

③ **Audio Output:** Click to enter transmitter mode to send sound to play in the headset after connecting your motorbike's Bluetooth headset.

④ **Playback:** Click to display videos/photos.

⑤ **Usbcast:** Click to enter the wireless connection screen of CarPlay, Android Auto and WiFi app.

⑥ **Tire temperature and tire pressure:** Real-time all-round detection of air pressure and temperature of tires, and immediate alarm for abnormal conditions. A red color will be displayed when an alarm occurs.(optional)

⑦ **Date and time:** Displays the date and time.

⑧ **DVR:** Click to enter the recording display of the dash cam.

2. Automatic brightness adjustment introduction:

Automatic brightness adjustment mode

Manual brightness adjustment mode

8

A built-in light sensor on the lower left side of the machine automatically recognizes the brightness of the surroundings. It adjusts the brightness of the host's screen for improved comfort. It is not possible to adjust the brightness manually in auto-brightness mode.

Click the [☼] icon on the left navigation bar of the Home Page to enter the brightness adjustment mode. [☼ AUTO] means the host device is in automatic brightness adjustment mode, click [☼ AUTO] to turn off the automatic brightness adjustment mode.

[☼] means the host device is in manual brightness adjustment mode. Click [☼] to turn off the manual brightness adjustment mode.

3. Status Bar Icon Description:

The icons here only indicate the working status display of the host device related functions.

Icon	Instructions
⏺	Indicates that the recording is in progress
ᛒ	Indicates that Bluetooth is turned on
⦿	Indicates that the host's Wi-Fi is turned on
▦	Indicates that the Micro SD card has been inserted and recognized by the host
▧	Indicates that the Micro SD card has not been inserted or is not recognized by the host
🔋 11.4V	The current voltage display

4. Rain Mode (Lock Touch-screen):

To prevent the screen from being accidentally touched by raindrops on a rainy day, you can long press the third button [🏠] of the Wire Controller for 5 seconds to turn on the rain mode. When this mode is turned on, the screen touch will be turned off and can be unlocked by long pressing the third button [🏠] of the Wire Controller again for 5 seconds.

5. CarPlay Introduction:

(1) It supports CarPlay, please follow the instructions on the host screen to connect your iPhone. After the first successful connection of CarPlay, the host will automatically connect to the iPhone every time it starts, no need to set up again.

① Click here 🖼 on the Home Page to enter the CarPlay option and confirm your selection.

② Turn on the Wi-Fi and Bluetooth of your iPhone, select the Bluetooth named MT02-**** (when searching for the first time, it will be displayed in "Other Devices", you can see it by scrolling down; please select "Pair" during the connection process). After the Bluetooth connection is successful, the host will automatically switch to the CarPlay display interface.

Bluetooth Pairing Request

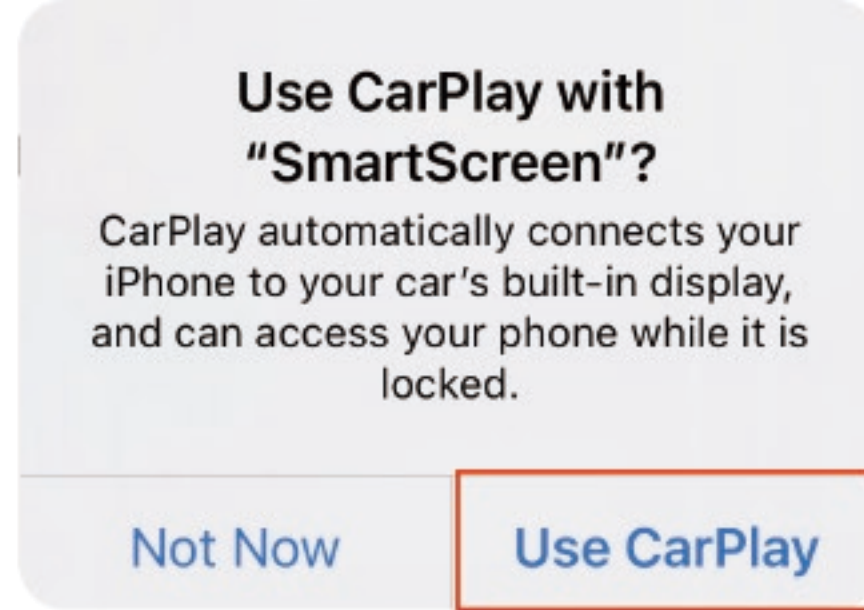"MT02-33C1" would like to pair with your iPhone. Confirm that this code is shown on "BTRX-17CEA3". Do not enter this code on any accessory.

067884

Cancel	Pair

< Settings   **Bluetooth**

Bluetooth ⬤

This iPhone is discoverable as "乔乔的 iPhone (2)" while Bluetooth Settings is open.
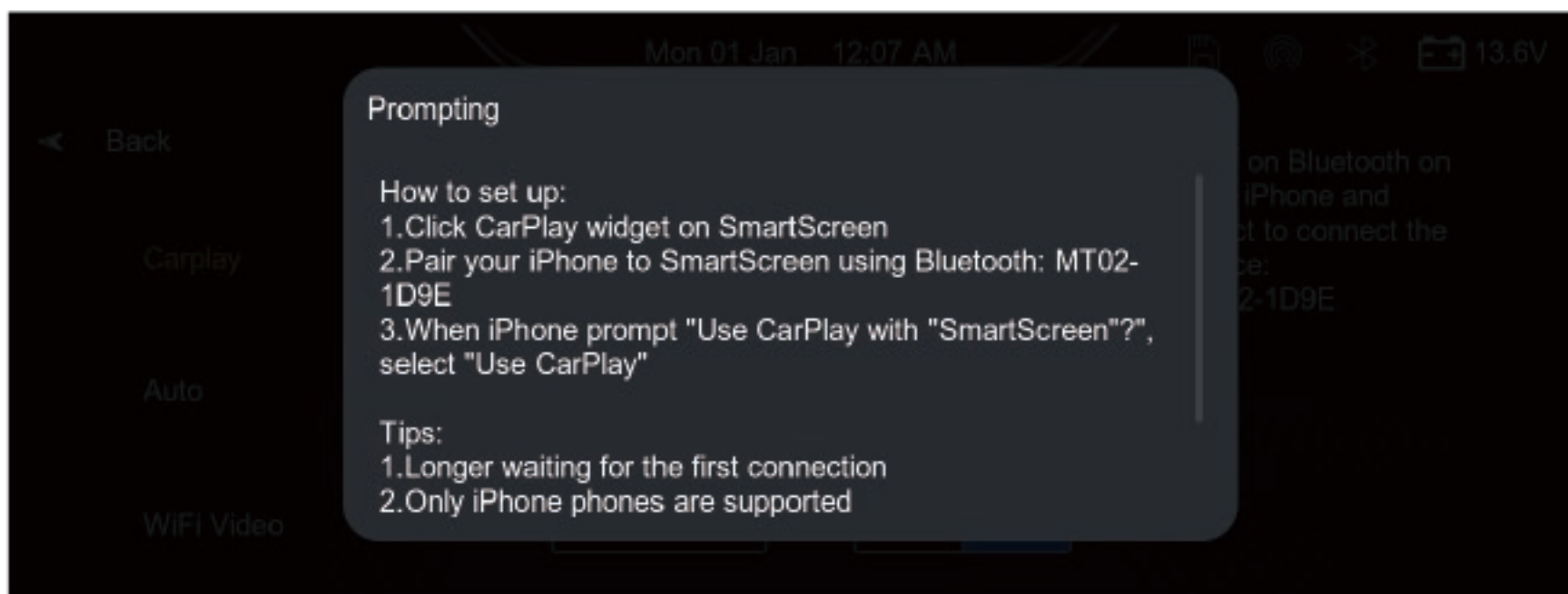
MY DEVICES

MT02-1D9E   Connected ⓘ

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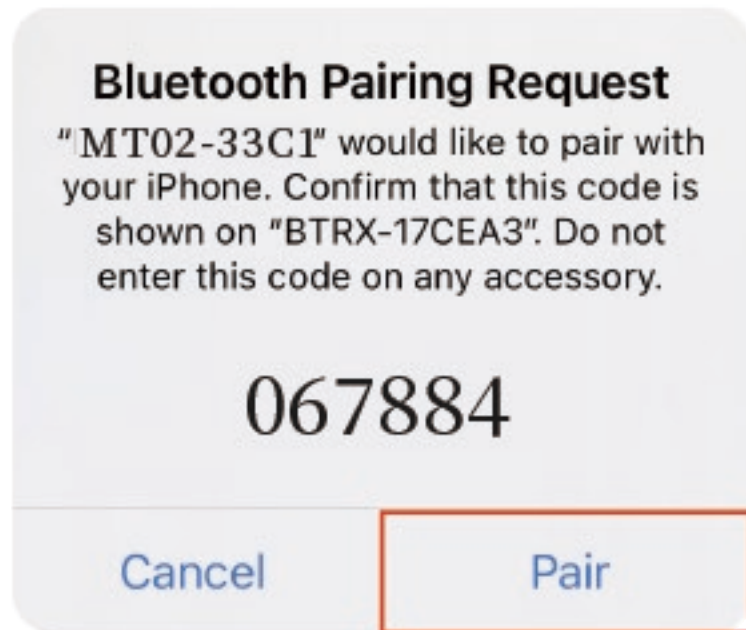
③ The iPhone pops up the Contacts and Favorites Sync information. Choose according to your needs. Choose "Allow", the Contacts and Favorites will be synchronized to the product. Choose "Don't Allow", incoming calls will be displayed as phone numbers instead of contact list names.

Allow Contacts and Favorites Sync?

Your car may request your contacts, phone favorites, and recent phone calls over Bluetooth. Do you wish to allow this? CarPlay will work without syncing.

Don't Allow	Allow
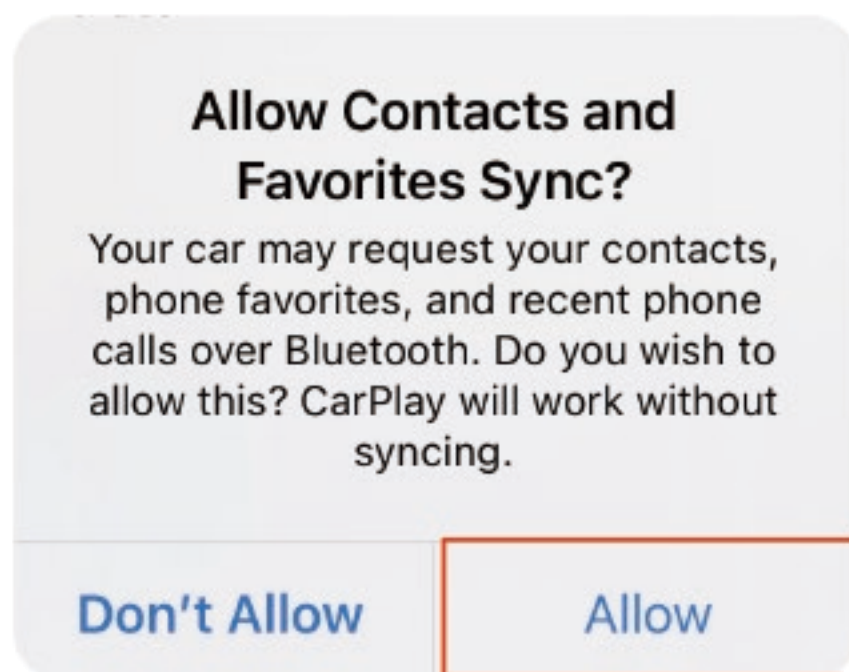
④ When connecting to CarPlay for the first time, the iPhone will pop up authorizing the device "SmartScreen" to use CarPlay. Please select "Use CarPlay", otherwise the device's CarPlay connection will not be successful.

Use CarPlay with "SmartScreen"?

CarPlay automatically connects your iPhone to your car's built-in display, and can access your phone while it is locked.

Not Now   **Use CarPlay**

⑤ Click the Details icon [⊞] for detailed connection steps and connection FAQs.


⑥ Click Assistive Touch [⊙] to display the shortcut menu: [Back to Home], [DVR], [Audio Output], [Brightness Adjustment].
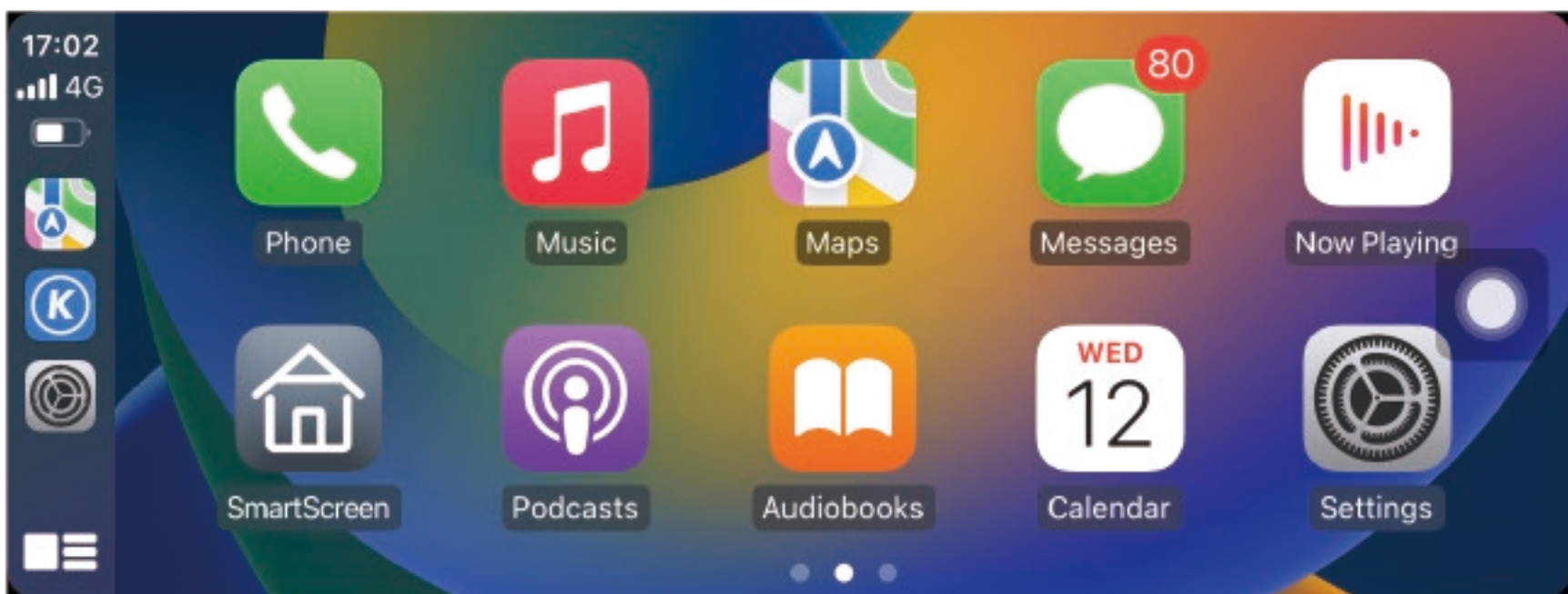
Note:

① CarPlay only supports iPhones (iPhone requirement is iPhone5 and above, IOS system version requirement is IOS13 and above).

② When the host is powered on, it will try to connect to the last connected iPhone device automatically. If you use a new iPhone to connect to the host, you need to turn off the Wi-Fi and Bluetooth of the relevant iPhone that was last connected to the host, or the new iPhone will not be connected successfully.

③ If you need to disconnect CarPlay, please turn off both Wi-Fi and Bluetooth on your iPhone to disconnect. Turning off Wi-Fi only or Bluetooth only, the iPhone will keep trying to reconnect to the host.
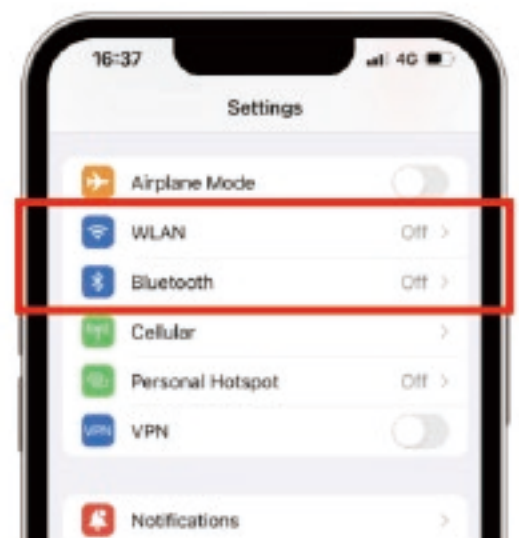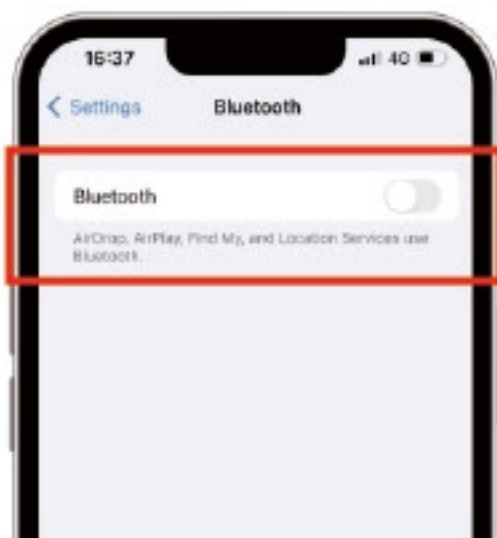
Disconnect it through the shortcut icon in the iPhone control center, you need to turn off Bluetooth, click on the Wi-Fi icon again, and select "Disconnect" in the iPhone pops up to truly disconnect.
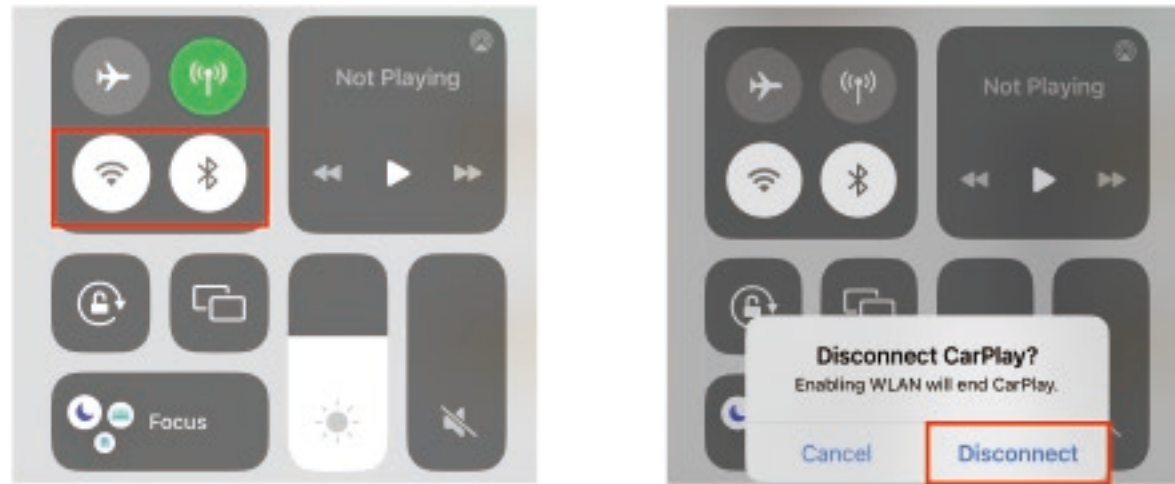
(2) How to add/delete APPs in the projection screen when the host is successfully connected to the iPhone (commonly used apps cannot be deleted, those with a delete icon can be deleted):
① Open the iPhone Settings, click "General";
② Click "CarPlay" - "Smart Screen";
③ Click "Customize" and the apps that have already been displayed can be edited, deleted, and added.

6. Android Auto Introduction:

It supports Android Auto, please follow the instructions on the host screen to connect your Android phone. After the first successful connection of Android Auto,
the host will automatically connect to the phone every time it starts, no need to set up again.

(1) Click here on the Home Page to enter the Android Auto option and confirm your selection.

(2) Turn on the Wi-Fi and Bluetooth of your Android phone, select the Bluetooth named MT02-**** (when searching for the first time, it will be displayed in "Other Devices", you can see it by scrolling down; please select "Pair" during the connection process). After the Bluetooth connection is successful, the host will automatically switch to the Android Auto display interface.

(3) Click the Details icon [ ] for detailed connection steps and connection FAQs.
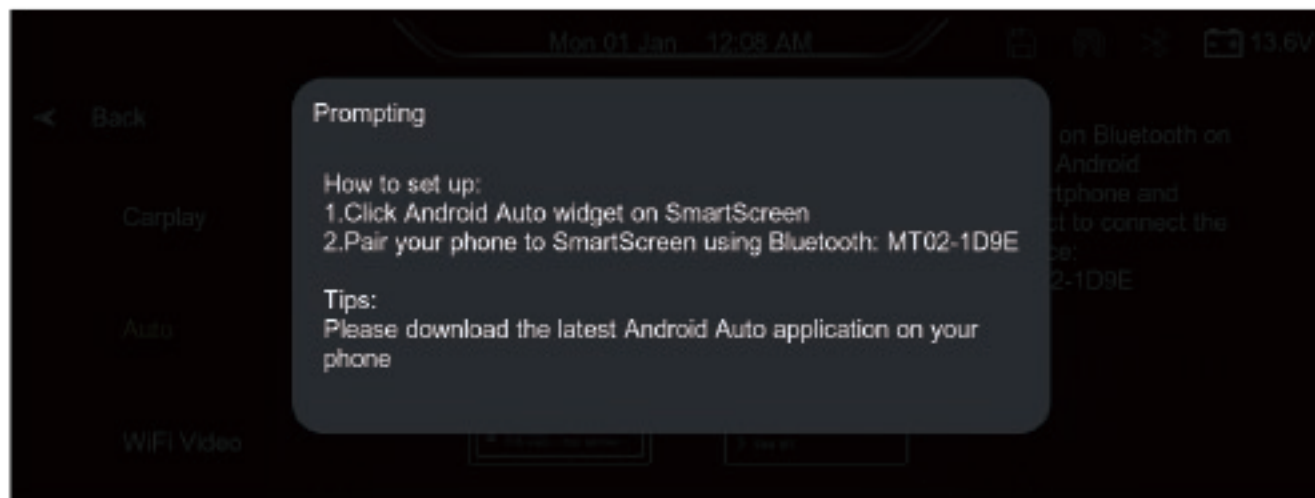
(4) Click Assistive Touch [ ] to display the shortcut menu: [Back to Home], [DVR], [Audio Output], [Brightness Adjustment].
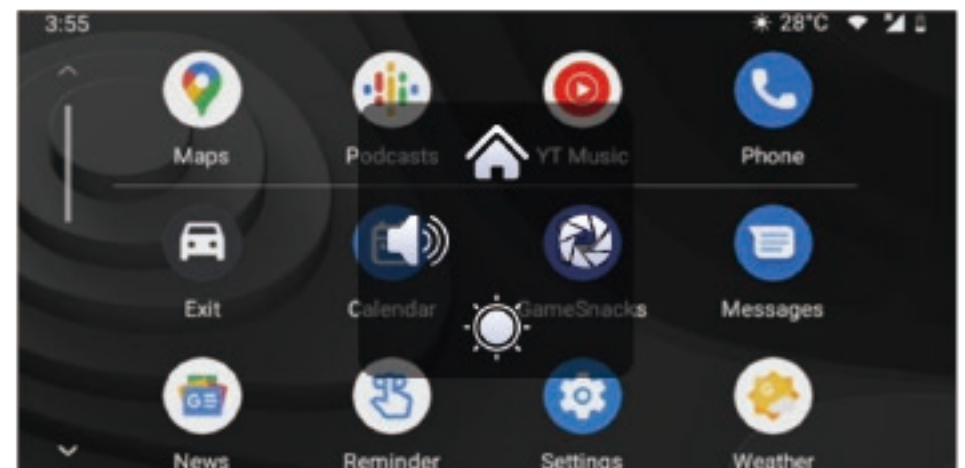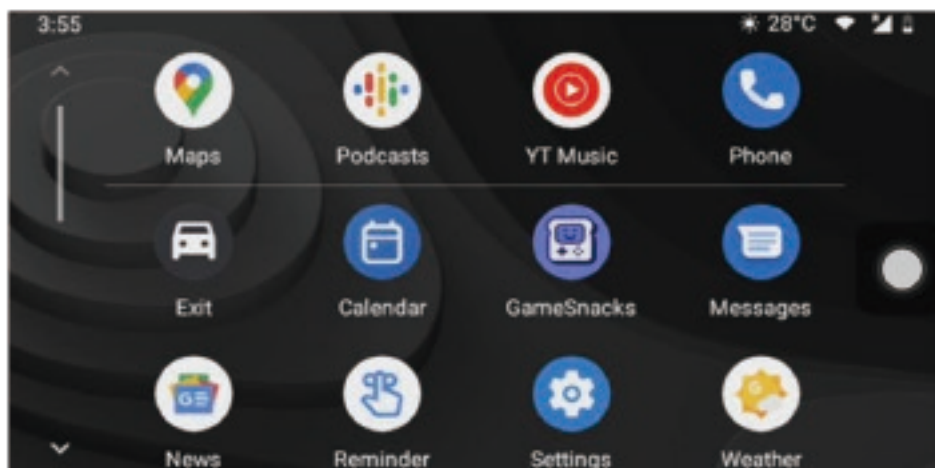
Note:

① Android Auto only supports Android phones.

② When the host is powered on, it will try to connect to the last connected Android phone device automatically. If you use a new Android phone to connect to the host, you need to turn off the Wi-Fi and Bluetooth of the relevant Android phone that was last connected to the host, or the new Android phone will not be connected successfully.

③ If you need to disconnect Android Auto, please turn off both Wi-Fi and Bluetooth on your Android phone to disconnect. Turning off Wi-Fi only or Bluetooth only, the Android phone will keep trying to reconnect to the host.
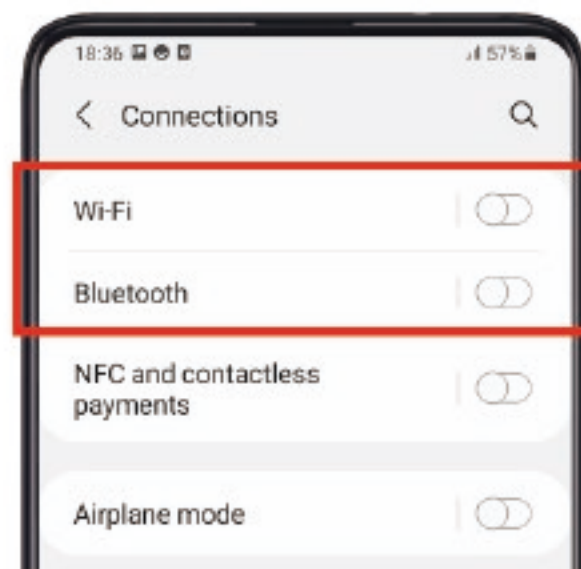
Disconnect it through the shortcut icon in the phone control center, You need to turn off Bluetooth and Wi-Fi icons together.
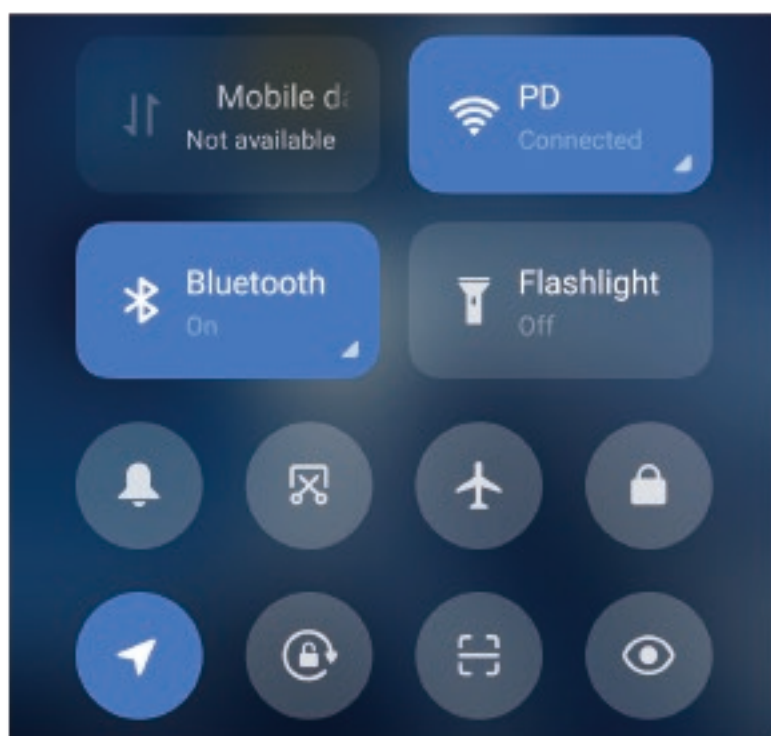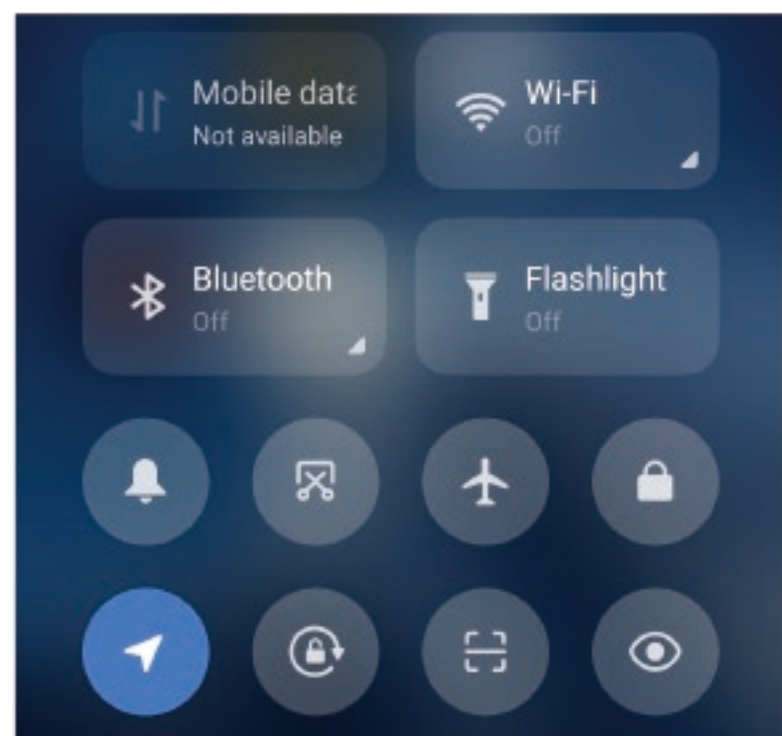
Connected   Disconnected

7. Wi-Fi Video Introduction:

(1) It supports Wi-Fi Video, please follow the instructions on the host screen to connect your phone.

(2) Click here on the Home Page to enter the Wi-Fi Video option and confirm your selection.

(3) Please scan the QR code on the host screen to download the APP.

(4) After downloading, open the APP and follow the prompts to connect Wi-Fi. Wi-Fi name: RTSP-******, password as shown on the host.

(5) Click the Details icon [ ] for detailed connection steps and connection FAQs.
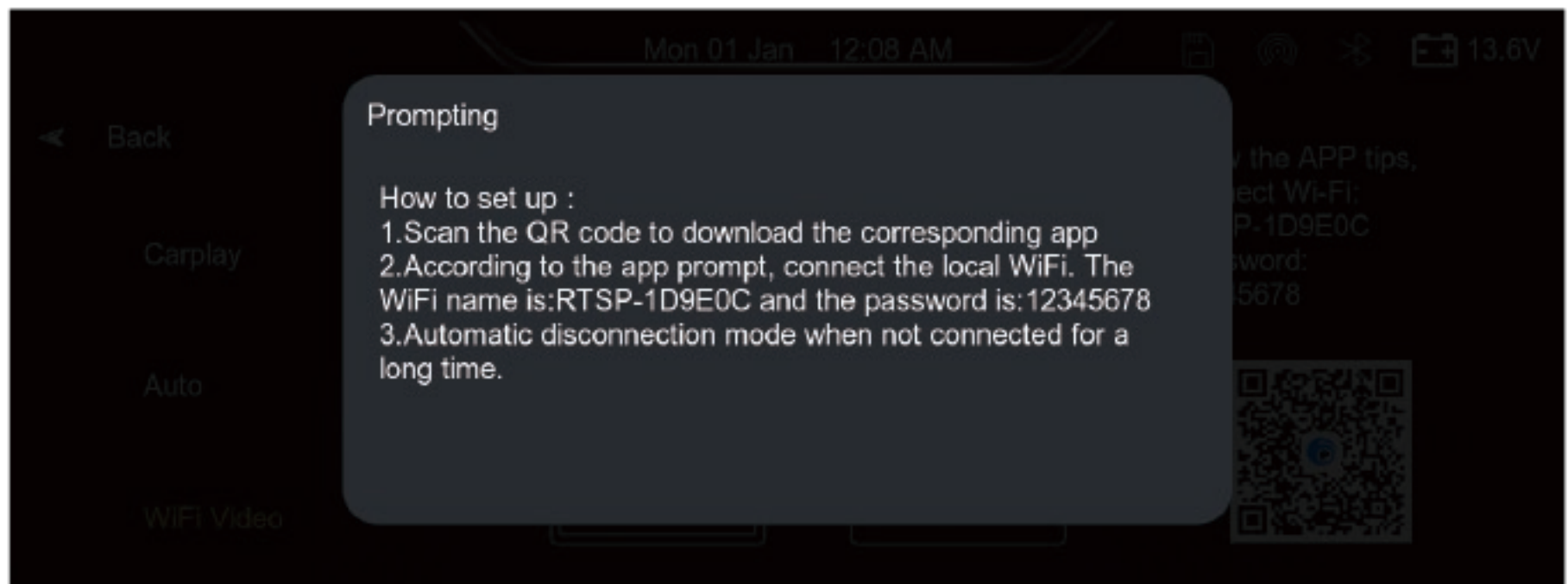
(6) When connecting APP, it needs to obtain the relevant permissions of your smartphone to ensure the normal operation of the function, such as location, local network, etc. Please select "Allow", otherwise you will not be able to connect successfully. If you have chosen "not allow", you need to uninstall the APP and re-download it, reconnect to and then choose "Allow" the authorization.
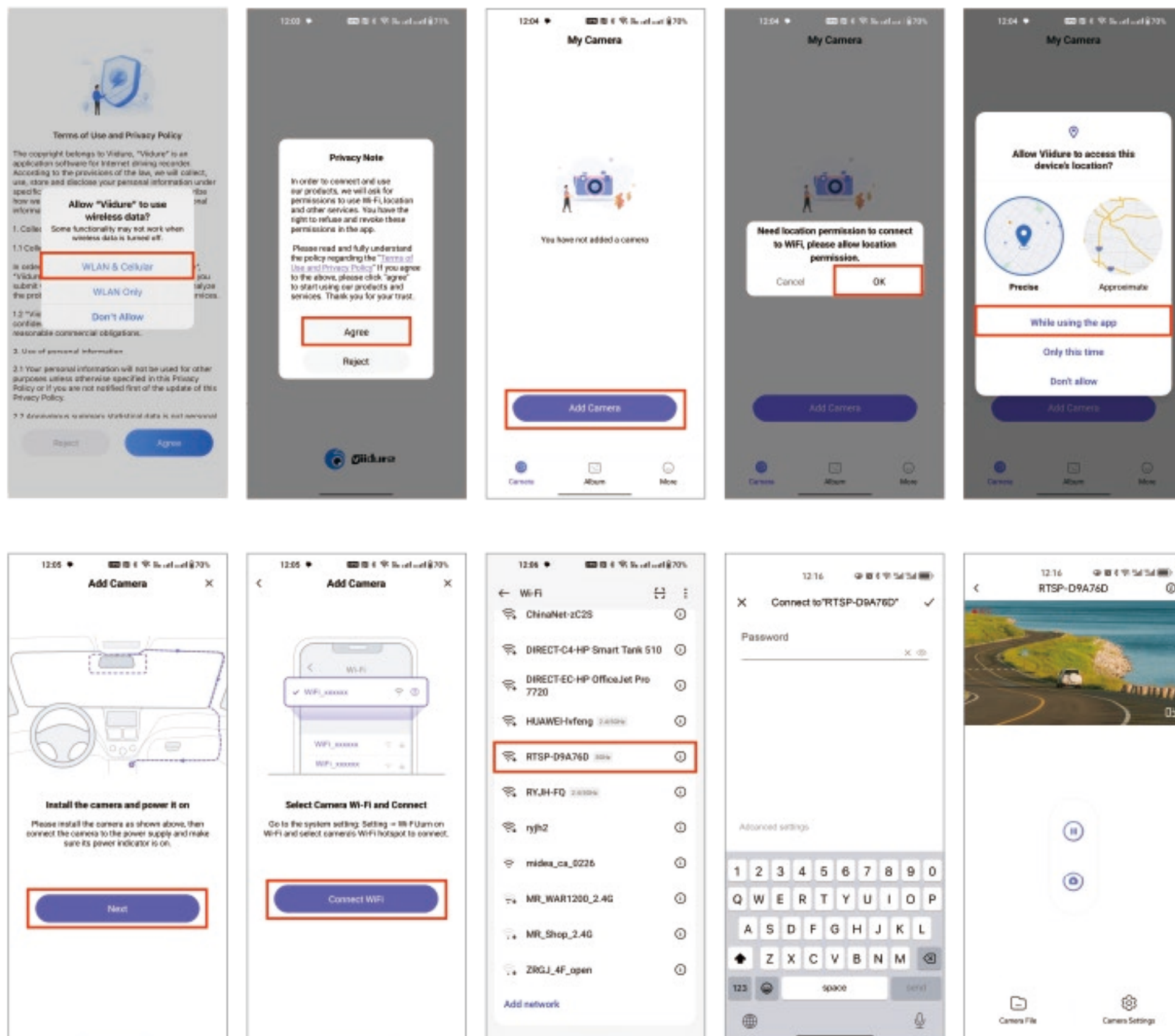
(7) After a successful connection, the host will enter the recording interface, at this time you cannot perform any operation on the host. You can watch/download the recorded video, take photos, or set various parameters on your cell phone via APP.

(8) If you need to disconnect the Wi-Fi video, please turn off the Wi-Fi on your smartphone. Note that there is a delay when disconnecting, please wait for 1-2 minutes before operating the host.

Warm Tips:
In CarPlay and Android Auto mode, Bluetooth will be released immediately after the smartphone screen is projected. The smartphone can still connect to Bluetooth devices such as motorcycle Bluetooth headset.
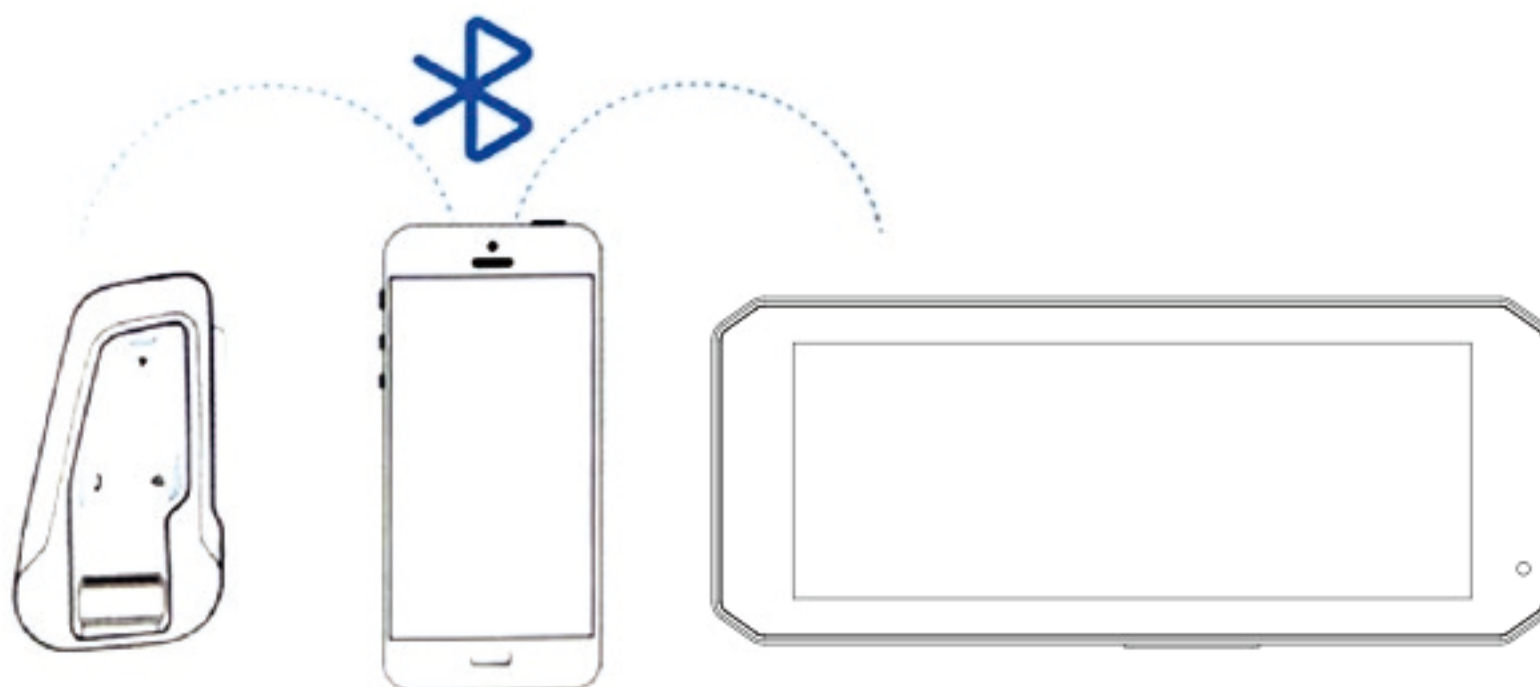
8. DVR Introduction:

(1) The Home Page will not directly display the recording interface, you need to click on the DVR to enter.

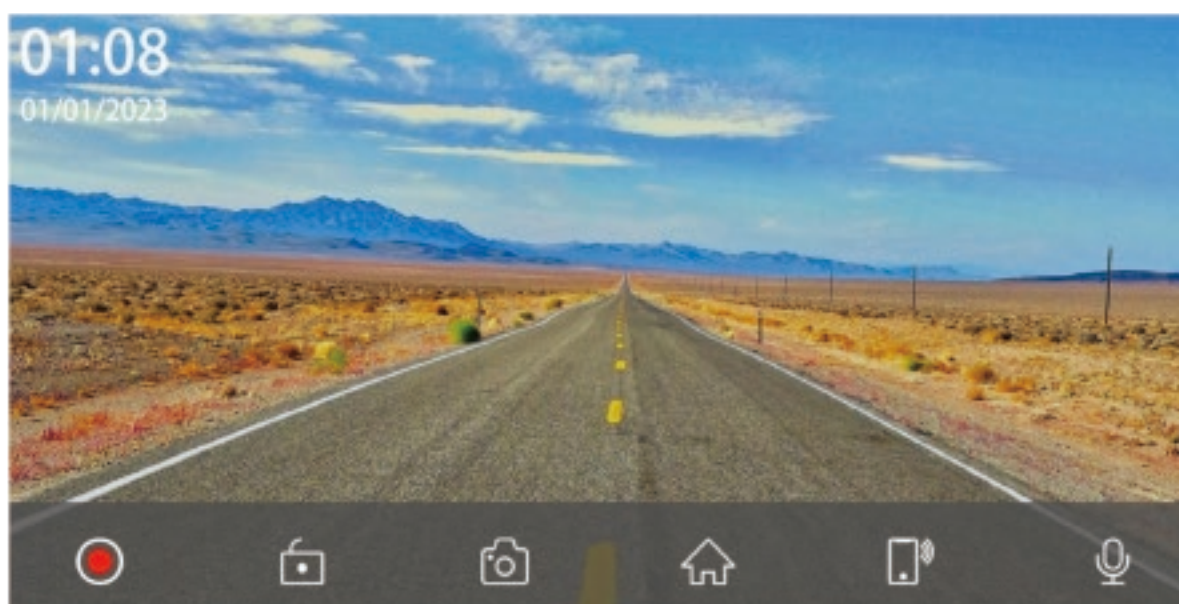(2) After the Micro SD card is inserted into the host and effectively recognized, the system will automatically enter recording mode.

(3) Icon Instructions:

Icon	Instructions
●	Indicates that the camera is recording, click to 'stop recording'.
🔒	Click to lock the recorded video and it will not be looped overwritten or deleted.
📷	Click to take a photo.
🏠	Click to return to the Home Page.
📱	Click to quickly return to the Mobile-connected interface.
🎤	Turn recording sound on or off.

(4) Lock Video Function Description:
① The number of videos that can be locked depends on the capacity of the Micro SD card. Generally, the number of videos that can be locked to different specifications of Micro SD cards is approximately as follows: 16GB ≈ 20, 32GB ≈ 40, 64GB ≈ 80, 128GB ≈ 160, and 256GB ≈ 320.
② The Micro SD card supports a minimum of 16GB and a maximum of 256GB.
③ If the locked video capacity exceeds the Micro SD capacity, the earliest locked video will be overwritten first. For example,16GB Micro SD card can lock 20 videos, when locking the 21st video, the 21st video will overwrite the first one and the 22nd video will overwrite the second one.

9. Audio Output Introduction:

(1) Click on the icon [ ] on the left navigation bar to enter the Audio Output interface.

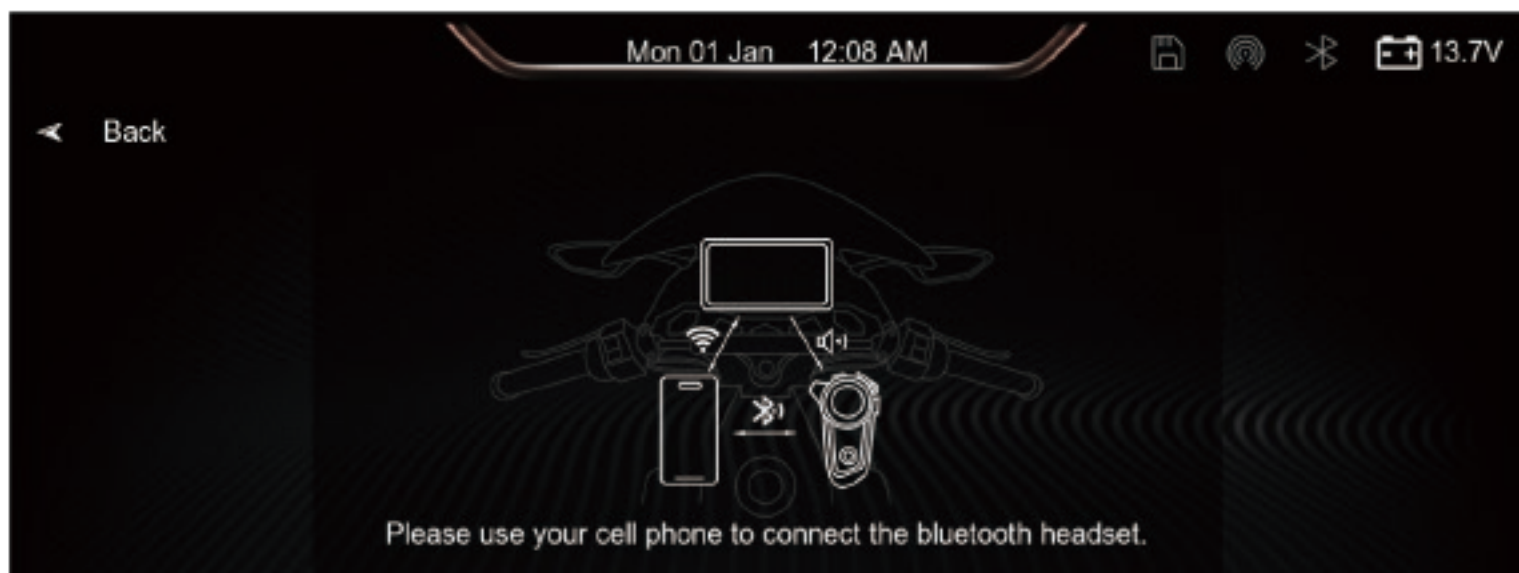(2) Turn on the smartphone Bluetooth and connect to the motorcycle Bluetooth headset. After a successful connection, all sounds emitted by the MT7 host will be transmitted to the motorcycle Bluetooth headset for playback.
(3) Directly turn off the smartphone's Bluetooth or power off the motorcycle Bluetooth headset to disconnect.
(4) If the sound is abnormal, please disconnect the smartphone from the headset.

10. Video Playback Introduction:

(1) Click the icon [ ] on Home Page to enter the Video Playback interface.
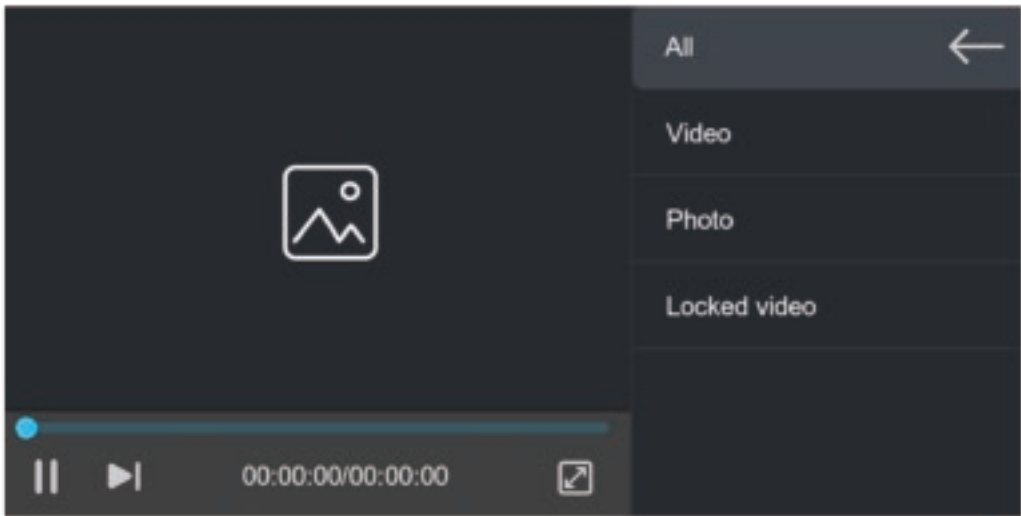
(2) You can select [Video], [Photo], or [Locked Video] folder, after selecting, you can click the select button on the right side of the file to delete, lock or unlock the video.
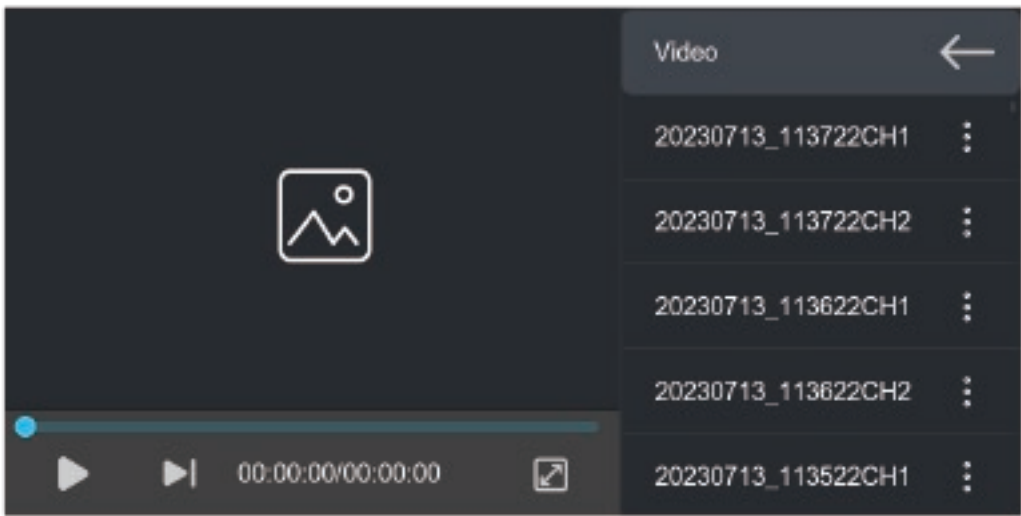
(3) To delete or lock a video/photo, click the icon [ ] on the right to select Delete or Lock Video.
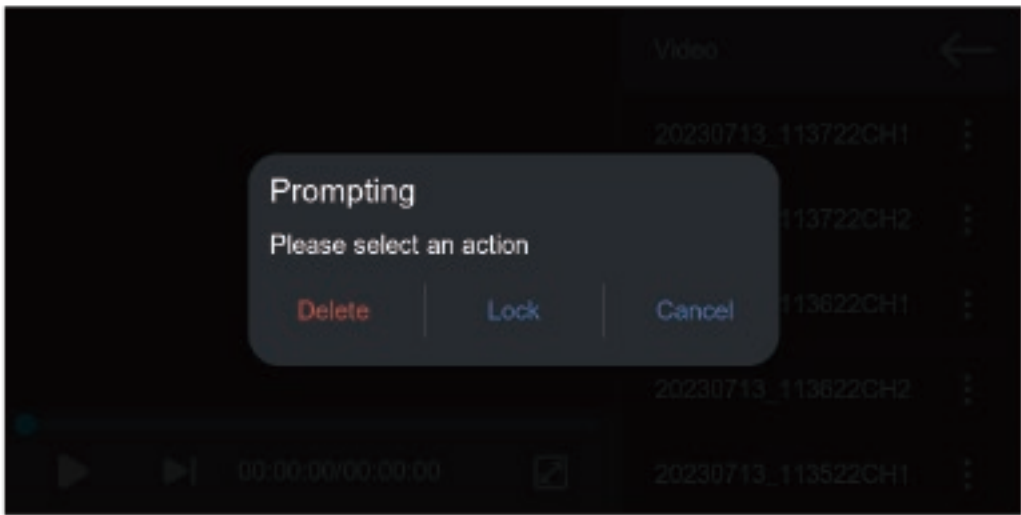
(4) Icon Instructions:

Icon	Instructions
▶	Click to play or pause the video.
▶|	Click to switch to the next video or photo.
⤢	Click the Full Screen button to play the video in full screen.
←	Click to return to the previous interface.

11. Settings Introduction:

The settings interface is divided into three parts: "General", "Camera", and "System".

(1) Icon Instructions:

Icon	Instructions
	Click to enter the brightness setting, see the following expression for details.
	Click to open/close the auxiliary control panel
	Touch to enter the setting to clear connection records on the main unit. You can then clear the connection records for Bluetooth, Wi-Fi, and wireless connections with your mobile phone.
	When you select the rain mode, you can use the controller to lock and unlock the display.
	Click to enter the video resolution setting, 720P/1080P optional.
	Click to enter the video segment length setting: 1 minute/3 minutes/5 minutes optional. The default is 3 minutes.
	Click to enter microphone settings, off/on optional.
	Click to access rear camera mirroring settings, toggle off/on. This feature aids in easy installation of the camera.

Icon	Instructions
	Click to enter language settings, multiple languages available.
	Click to enter the time settings: year/month/day/hour/minute/second/time format can be set individually.
	Click to check the Micro SD card storage status: the former shows available capacity, and the latter shows total capacity.
	Click to access the Format setting: this option formats the Micro SD card data. It is recommended to format when first inserted. Regularly formatting the Micro SD card helps prolong its lifespan.
	Click to access settings: restore factory settings to reset all settings.
	Click to enter the menu:This option allows you to see the current software version number.

(2) [Brightness] setting:
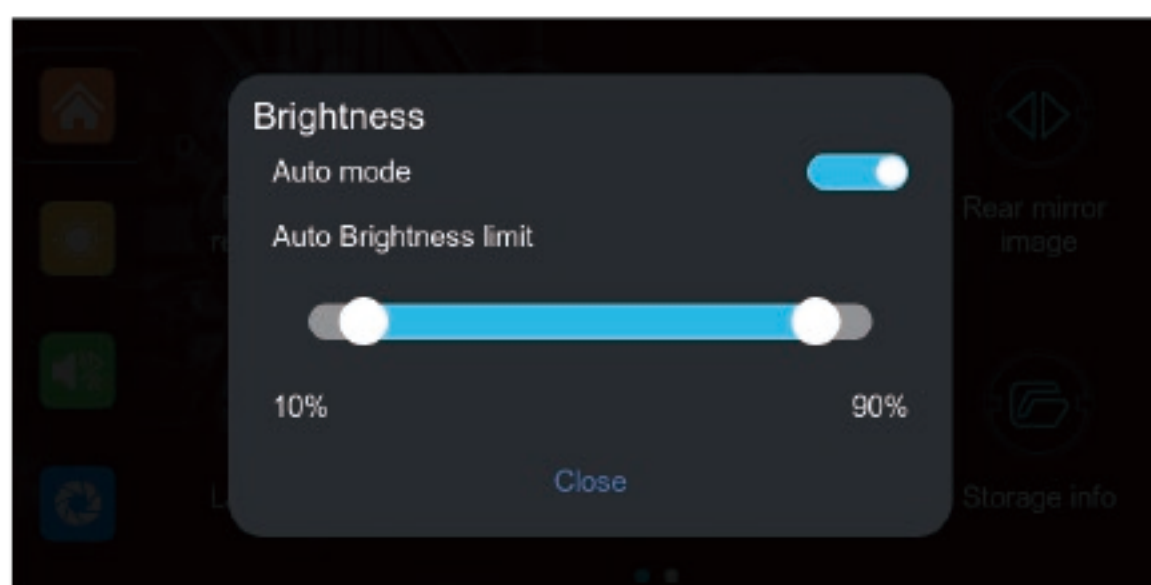
You can set the Auto-brightness mode on or off, and you can also set the Auto-brightness minimum and maximum brightness limits.

Drag the left white dot button to set the minimum brightness limit, and drag the right white dot button to set the maximum brightness limit. The setting will be saved automatically when it is completed, and you can exit the setting by clicking the [Close] button.

12. Binding Tire Pressure

Once powered on, click on the Tire Pressure area on the main page to enter the Tire Pressure settings.

Click【 > 】to bind the front and back tires. "F" stands for front tire and "B" stands for back tire.
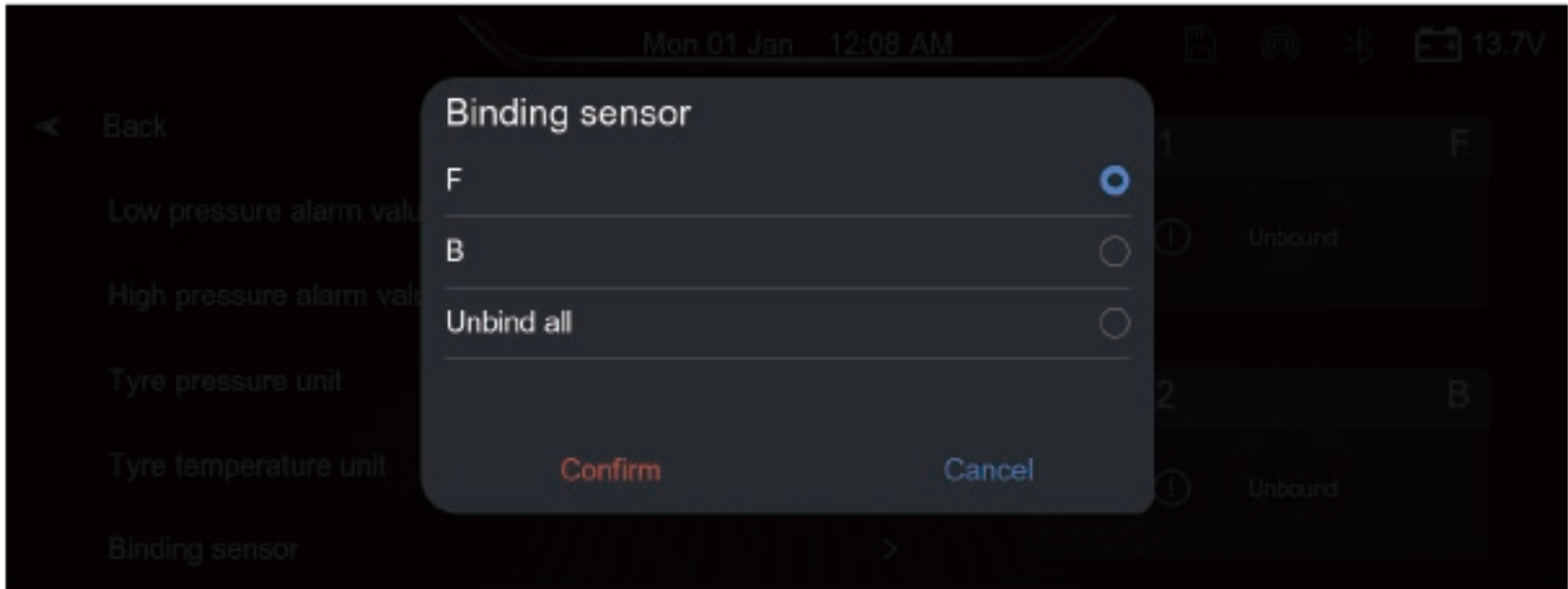
You can set the low and high pressure alarm values for the front and back tires, once the tire pressure is lower than the low pressure value or higher than the high pressure value, a red alarm will appear.

(3) Unbinding Tire Pressure
If you want to unbind the tire pressure, please click "Binding sensor", and then click "Unbind all" to unbind the front and rear tires at the same time.
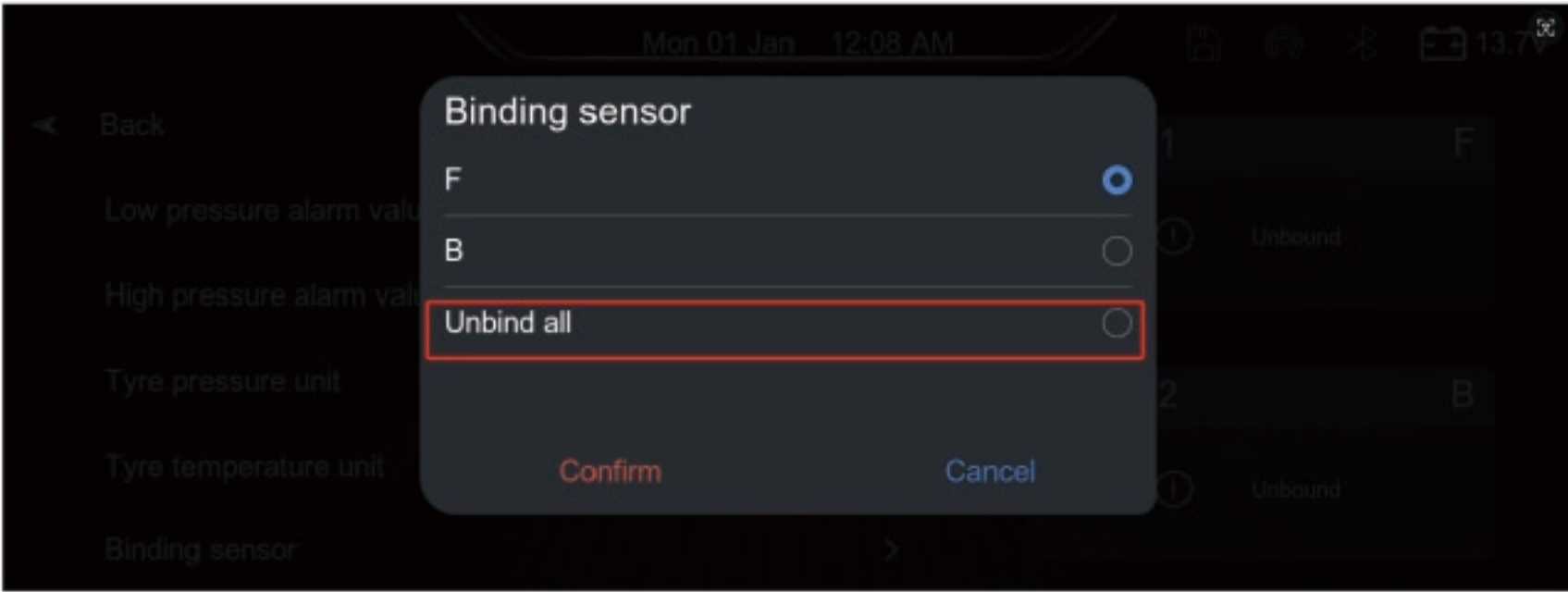
Product Specifications

Icon	Instructions
Size	199*82*29mm
Weight	12.98oz
Screen	6.86-inch high-defnition IPS display
System	Linux
Resolution	Both front/rear: 1920*1080P,30FPS
BT version	Bluetooth V5.2
Connection	Support CarPlay/Android Auto/Wi-Fi video
Wi-Fi frequency	2.4G/5G
Compression format	H.264
Video format	TS steaming
Operating temperature	-4~+158°F/-20~+70°C
Storag temperature	-22~+176°F/-30~+80°C

Common Problems

NO.	Problems	Solutions
1	Unable to start	(1) Check the power cord for damage or aging. (2) Check whether the power supply PIN connector is inserted correctly and make sure the nut is tightened. (3) Check whether the three wires B+, ACC and GND are connected correctly, and whether there is any disconnection or poor contact.
2	No touch phenomenon	(1) Touching is useless when the device is turned on, please wait until the startup program has finished running before operating. (2) Please do not use sharp objects, so as not to damage the screen. (3) Please make sure whether the touch screen function has been closed by wire controller, if it has, it can be unlocked by long pressing the third button of the wire controller for 5 seconds. (4) In Wi-Fi Video mode, after the smartphone is successfully connected to the host, the host will enter the video recording interface, and you cannot perform any operations on the host at this time. You can watch/download recorded videos, take photos, or set various parameters of the host through the app on your smartphone. (5) There is a delay when disconnecting Wi-Fi Video mode, and the host will not be able to perform any operations. Please wait for 1-2 minutes before operating the host.
3	No image from camera	(1) Check whether the PIN connector of the camera is inserted correctly and tightened; (2) Check whether the camera and cable are original ones (non-original ones are not supported).

NO.	Problems	Solutions
4	High-temperature lag phenomenon of the Host	Avoid prolonged exposure to direct sunlight. The host will enter an automatic protection program when the temperature is too high. Suspend the work until the temperature of the host returns to the workable zone.
5	CarPlay cannot connect	(1) The first connection takes a long time, expect 1-3 minutes. (2) Only iPhones can use CarPlay function. (3) The iPhone is required to be iphone5 and above, and IOS system version is required to be IOS13 and above. (4) Check whether the Wi-Fi and Bluetooth functions of the iPhone are normal and open. (5) Enter the Settings-General-CarPlay interface of the iPhone, delete all the records in this interface and reconnect. (6) Restart the iPhone and device and reconnect.
6	Android Auto cannot connect	(1) The first connection takes a long time, expect 1-3 minutes. (2) Only Android phones can use Android Auto function. (3) Update Auto and relevant Apps on your Android phone to the latest version. (4) Do not enable VPN on your Android phone. (5) Check whether the Wi-Fi and Bluetooth functions of the Android phone are normal and turned on. (6) Restart the Android phone and device and reconnect.
7	Wi-Fi Video cannot connect	(1) Update the relevant Apps on your smartphone to the latest version. (2) Check whether the Micro SD card in the host is inserted and recognized by the host successfully. (3) Check whether the host mode has been switched to Wi-Fi Video mode.

FCC & CE Compliance Statement

◆This device complies with Part CE-RED of the CE Rules.

◆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.

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

◆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 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.

FCC Radiation Exposure Statement

◆The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

WEEE Declaration of Conformity & Safety Precautions

◆This WEEE logo means that this product must not be discarded as household waste, and should be delivered to an app collection facility for recycling. Proper disposal and recycling help protect natural resources, human health, and the environment. For more information on the disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

To guarantee the service life of the product, please refer to the instructions as follows:

◆Please keep away from high temperature, flammable, high humidity, corrosive environments, etc.

◆Do not dissemble the product or subject the product to shock, squeeze and fire.

◆Do not disassemble the product. Do not replace, or mutilate the product components.

◆Use the accessories that come with the product.

◆The product has IP67-grade dust and water resistance, which does not mean it has a complete waterproof function. Please do not immerse the product in water or use a high-pressure water gun for cleaning.