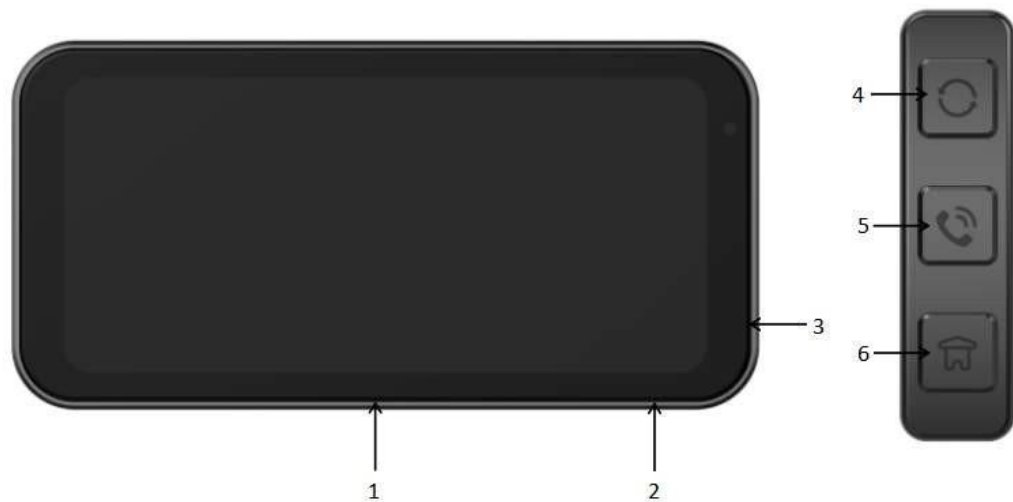


F83 6.25" Dual Motorcycle Recorder



I. Product overview

F83 6.25 inch With 2 wide-angle cameras mounted on the front and rear of the motorcycle, images around the vehicle are captured at the same time; and sensors mounted on the motorcycle's tires, tire air pressure can be monitored in real time and transmitted in real time to the all-in-one camera. The product can record all driving videos and photos. With this system, drivers can also connect their cell phones, use motorcycle navigation, and play music. The housing of this product can effectively prevent rainwater from entering, so it can be used normally in rainy days and wading environments.



	Functional Description
1	SD card slot hole
2	Microphone Receiver Hole
3	Light sensor

		Key Function Definition	
	description	At work	Your telegram, telephone call, message
4	recurring button	Short press to turn into rear cam image/turn back	Short press to pick up call (only carplay mode)
		Long press for 10seconds to cut off electricity	NA
5	Capture button	Short press to capture	Short press to hang up the phone (only carplay mode)
		Long press 3 seconds to lock video	NA
6	Homepage button	Short press to turn into homepage/phonelink page	NA
		Long press 5 seconds to turn off/turn on touch screen function	

II. List of productcomponents

Product Accessory List

Name	Graph	Description	Qty
Main Unit		6.25-inch HD Display (1560 * 720) / 2-channel camera interface / Touch control / Bluetooth / WIFI / Audio output / FHD High-definition video	1

Power Cable		6V-30V / 2.5A current / ACC power	1
Camera		AHD High Definition (1080P) / 4PIN BM connector	2
Cable clicker Control		Supports functions such as one-key photo capture, page switching, answering and ending calls, etc.	1
Allen Key		Used to fasten the screws of the cable clicker control and bracket base	1
Motorcycle Dash Cam Bracket		Used to fix the machine with the bracket on the motorcycle dash cam	1
Cross Screwdriver		Used to fasten the screws of the TF card slot cover	1
Allen Key 1		Used to fasten the screws of the upper and lower covers of the bracket and the screws of the bracket base link	1
Allen Key 2		Used to fasten the front and rear camera	1
TPMS sensor and tools		For monitoring tire pressure	1

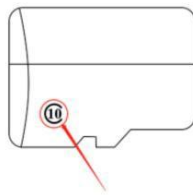
III. Product parameters

Item	Function Overview	Performance Indicators
System	Operating Language	Simplified Chinese / Traditional Chinese / English / Russian / Spanish / French / German / Japanese / Korean / Italian / Portuguese
	Operating Interface	Graphical menu operation
	Operation Method	Touch
Video Input	Video Input	2-channel HD video input
	Recording Mode	Default power-on recording, no missing seconds
	Recording Format	1080P H.264 video, saved separately for 2 channels
Video Display	Real-time Display	6.25-inch HD IPS screen, 1560*720
	Local Playback	Playback locally, view anytime
	Screen Protection	Can be set to 1 minute / 3 minutes / 5 minutes
Smart Connectivity	WIFI	Supports Apple Carplay, Android Auto, and Wifi Video
Recording Storage	MEMORY card	MEMORY card, CLASS10 U1, maximum support 256GB
Tire pressure detect	Detect instantly	Support 2/3/4 wheels motorcycle, standard accessories is for 2 wheels version.

Audio Section	Audio Output	After Carplay/Auto phone projection, the phone's Bluetooth can connect to Bluetooth headphones for music playback or answering calls
	Microphone	Supports microphone recording, menu can be set to disable
Power Section	Power Input	Supports 6-30V step-down circuit
Overall Power Consumption	2-channel camera recording	Less than 10W (screen display, 2-channel camera recording)
Other	Operating Temperature	-20~70 degrees Celsius

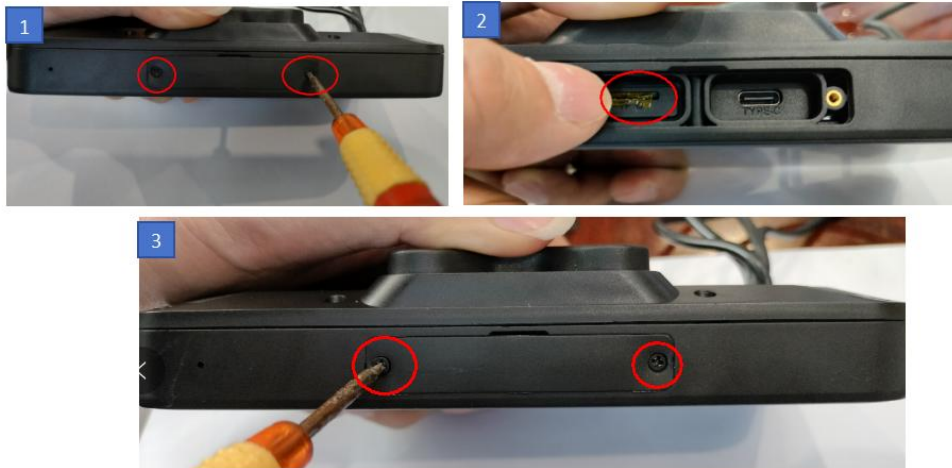
IV. MEMORY Card Specifications Requirement

The quality of the memory card greatly affects the stability of video recording. To ensure safe video recording, please use memory card from reputable brands such as SanDisk, Kingston, Toshiba, and Samsung. The speed certification should be at least Class 10, and support up to 256GB.



V. Memory Card Installation Instructions

As shown in Figures 1/2/3, first remove the TF card cover, then insert the card into the device, then install the TF card cover, and finally lock the two screws. (Note the direction of the card cover).



VI. Installation Instructions for the Mounting Bracket

A. Details of Bracket Accessories

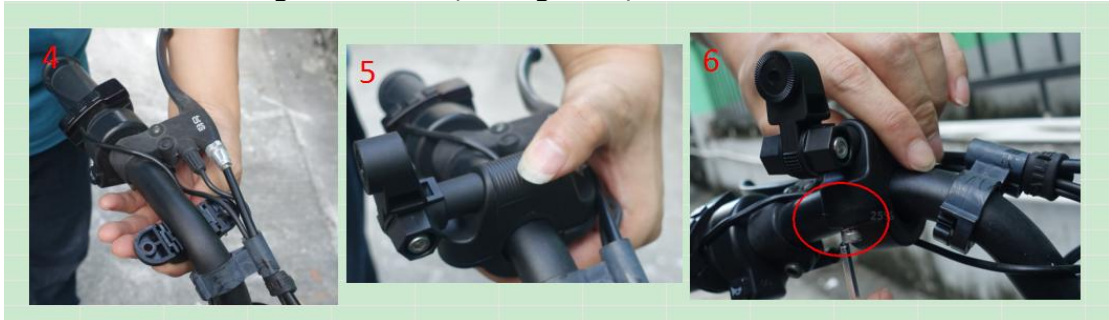
Clamp Bottom Cover		25.4# TPU Pad	
Bracket Base Connecting Rod		22# TPU Pad	
Screw 1		28# TPU Pad	

B. Bracket Installation Steps:

- As shown in Figures 1 and 2, install the TPU pads in size order on the corresponding slots of the bracket bottom cover and bracket connecting rod.



2. As shown in Figure 4, first install the bracket bottom cover on the handlebar. In Figure 5, install the bracket connecting rod and bracket bottom cover together. Then, in Figure 6, use screw 2 to secure them.



3. As shown in Figure 7, secure the bracket assembly and the main unit with screw 2. Figure 8 shows the schematic diagram after installation.

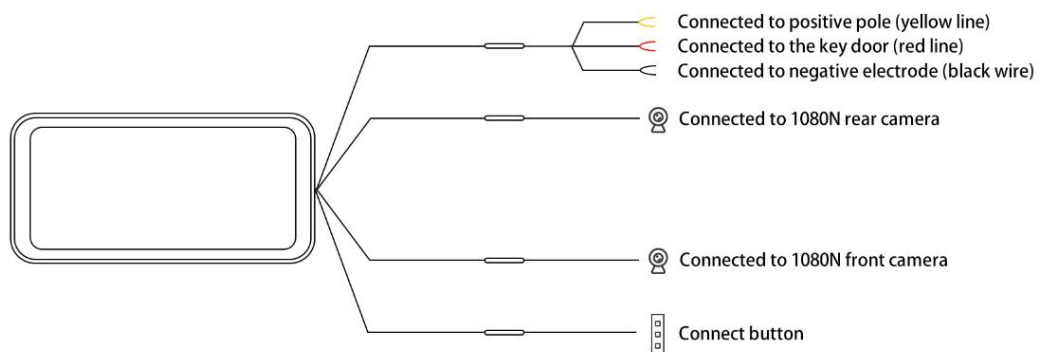


VII. VII、 Cable clicker Installation Instructions

As shown in Figures 1/2/3, install the cable clicker control on the left handlebar of the motorcycle, and then secure it with screws.



VIII、 Connection Instructions



A、 Power Cable Connection Instructions

As shown in the diagram, connect the power cable as follows: red wire (ACC), yellow wire (B+), black wire (ground), to the corresponding wiring positions on the motorcycle.



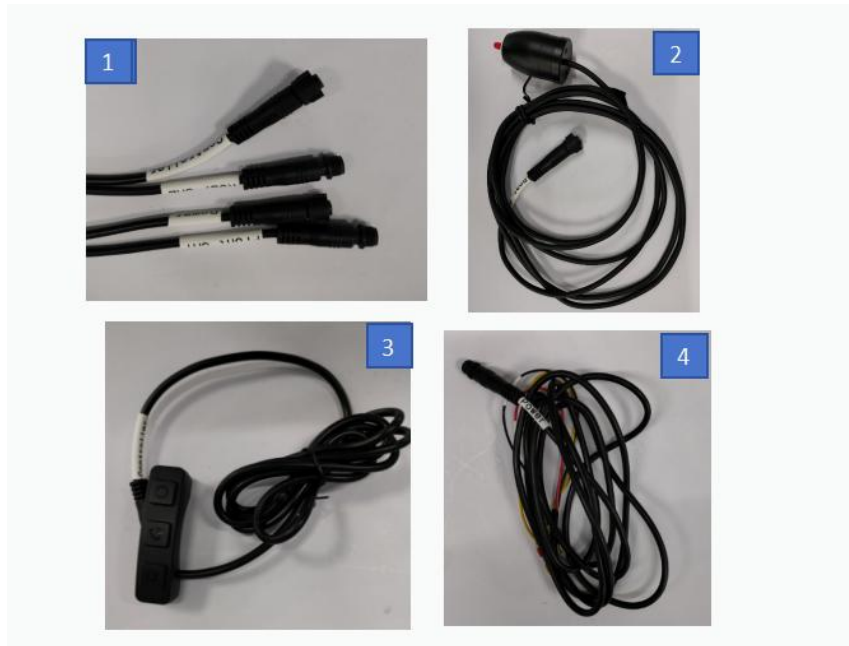
Detailed instructions are as follows:

Number	Interface	Description
1	BM Connector 3-Pin Interface	Mainboard Power Supply Interface
2	Power Cable	Connects to the motorcycle battery for power supply; Note: Make sure to confirm the corresponding ACC/B+/ground interfaces on the motorcycle, connect them one-to-one, and tighten. Please use the original power cable.

B. BM Connector Wiring Instructions

1.As shown in the following figures:

- Figure 1: Main unit connected to four-pin BM connector
- Figure 2: Front and rear cameras
- Figure 3: Cable clicker control
- Figure 4: Power cable



2.As shown in the following figures:

- Figure 1: Connect the front and rear cameras to the corresponding BM connector on the main unit and tighten them (note that the wires are marked with Front/Rear CH1/2).
- Figure 2: Connect the cable clicker control to the corresponding BM connector on the main unit and tighten it (note that the wire is marked with Controller).
- Figure 3: Connect the power cable to the corresponding BM connector on the main unit and tighten it (note that the wire is marked with Power).

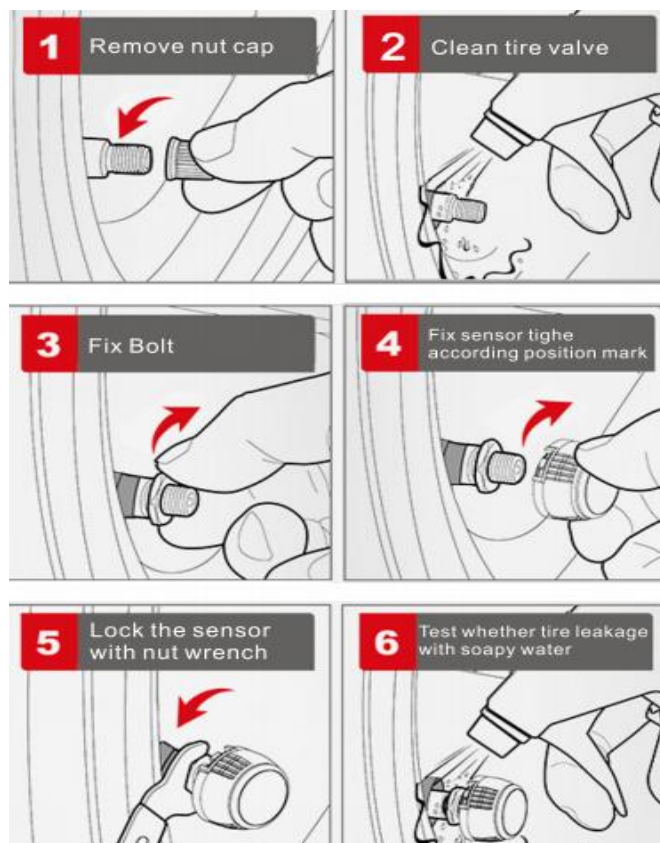


Tire Pressure Installation Instructions

A,Tire Pressure Transmitter and Tool Kit

TPMS A and B			
tool			

B,Installation

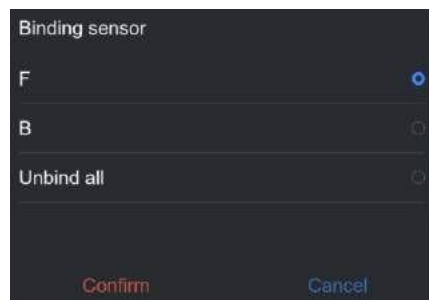


C,Tire Pressure Pairing

1, Click  or  in the main interface to enter the tire pressure pairing mode.



2, Click "binding sensor", select F/B to bind the front or rear tire pressure sensor; select "Unbind all " to unbind the tire pressure sensor



3, after successful pairing, the main interface and pairing interface will show the tire pressure value.



4, Click the left/right arrow to switch the pairing mode of three-wheeled motorcycle or four-wheeled motorcycle.



IX、 Front and Rear Camera Installation Instructions

Install the front and rear cameras separately at the front and rear of the motorcycle, and secure them in place.



X、 Overall Installation Schematic



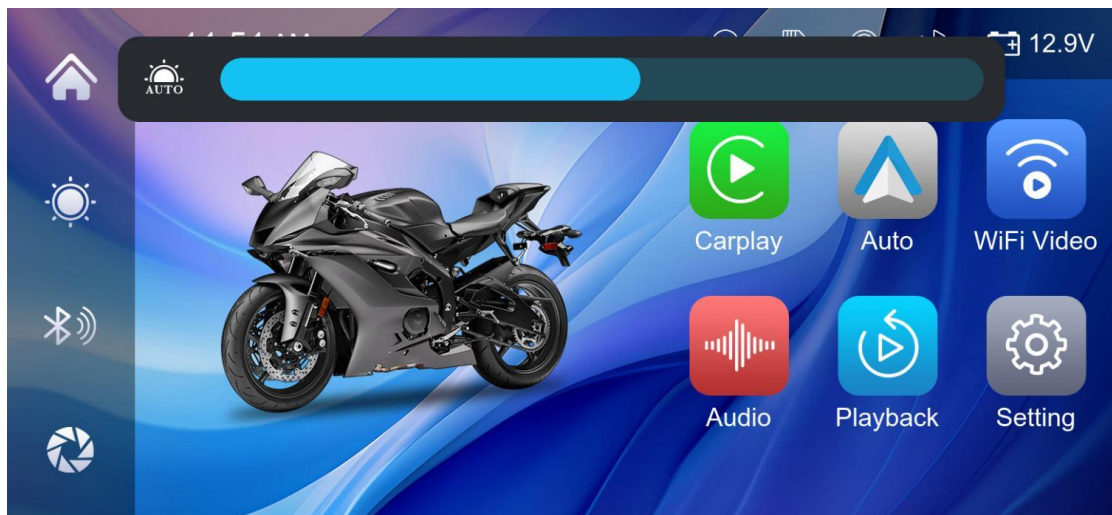
Interface Explanation



- 1. Home Button:** Click to return to the home page.
- 2. Brightness Key:** Click to adjust the screen brightness.
- 3. Audio Output Shortcut Key:** One-click to enter the demonstration screen for connecting Bluetooth headphones to the phone.
- 4. Camera Shortcut Button:** Click to view the recording interface.
- 5. Switch Button:** Click to switch between the front camera screen, rear camera screen, and motorcycle preview.
- 6. Record Button:** Click to start recording video, click again to stop recording.

- 7. Photo Button:** Click to take a photo with one click.
- 8. Lock Button:** Locks the currently recording video to prevent loss.
- 9. Apple Carplay:** Connects to Apple devices.
- 10. Android Auto:** Connects to Android devices.
- 11. WiFi Video:** Click to enter connection mode, watch and record videos on your phone.
- 12. Audio Output:** After Carplay/Auto phone projection, the phone's Bluetooth can connect to Bluetooth headphones for music playback or answering calls.
- 13. Video Playback:** Click to view videos on the video screen.
- 14. Settings:** Click to access the settings menu.

Automatic Brightness Adjustment:



The built-in light sensor located at the bottom right of the device automatically detects the brightness of the surrounding environment and adjusts the screen brightness to improve comfort. In automatic brightness mode, brightness cannot be manually adjusted.

Click the "" button on the sidebar, then click "" to disable automatic brightness adjustment.

Lightly press "" to switch to automatic brightness mode.



Explanation of Status Bar Icons:

	Recording in progress		Motorcycle battery voltage
	Bluetooth function enabled		MEMORY card inserted
	Bluetooth connected		MEMORY card not inserted
	WiFi enabled on the device		

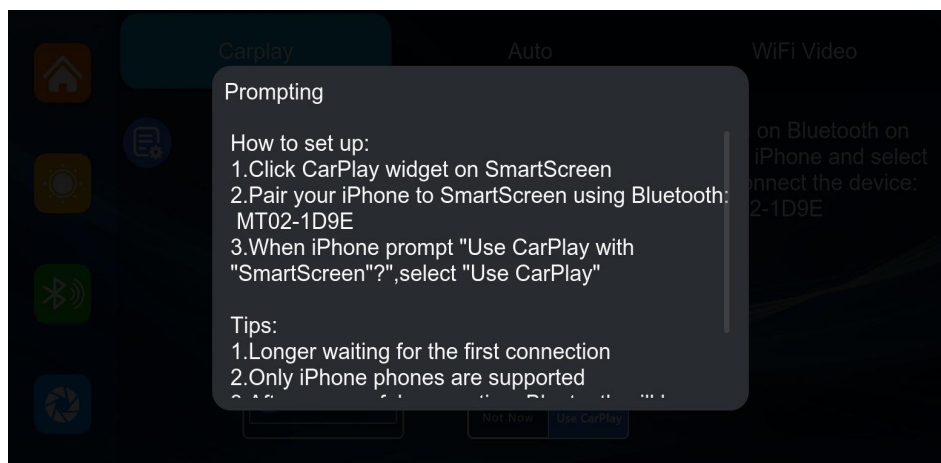
Rain Mode (Screen Lock):

To prevent accidental touches from raindrops on rainy days, you can long-press the third button on the cable clicker control for 5 seconds to activate Rain Mode. Once activated, touchscreen functionality will be disabled. To unlock, long-press the third button on the cable clicker control for 5 seconds again.

A. Apple CarPlay



As shown in the diagram, click the [Apple CarPlay] button, then select the [Apple CarPlay] option. First, turn on Wi-Fi and Bluetooth on your phone, as shown in the diagram. The machine's Bluetooth will automatically turn on, named as MT02-XXX. Once Bluetooth connection is successful, Apple CarPlay can be connected. (When the machine is powered on, it will attempt to automatically connect to the last connected phone).



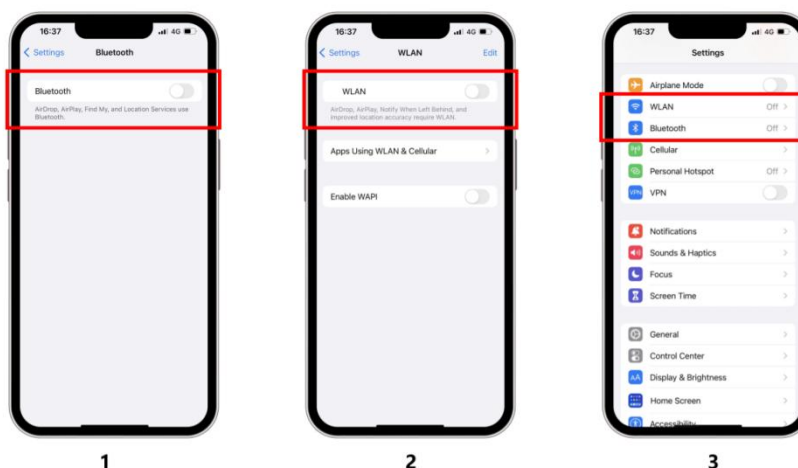
Click the "Details" button for detailed connection steps and common connection issues



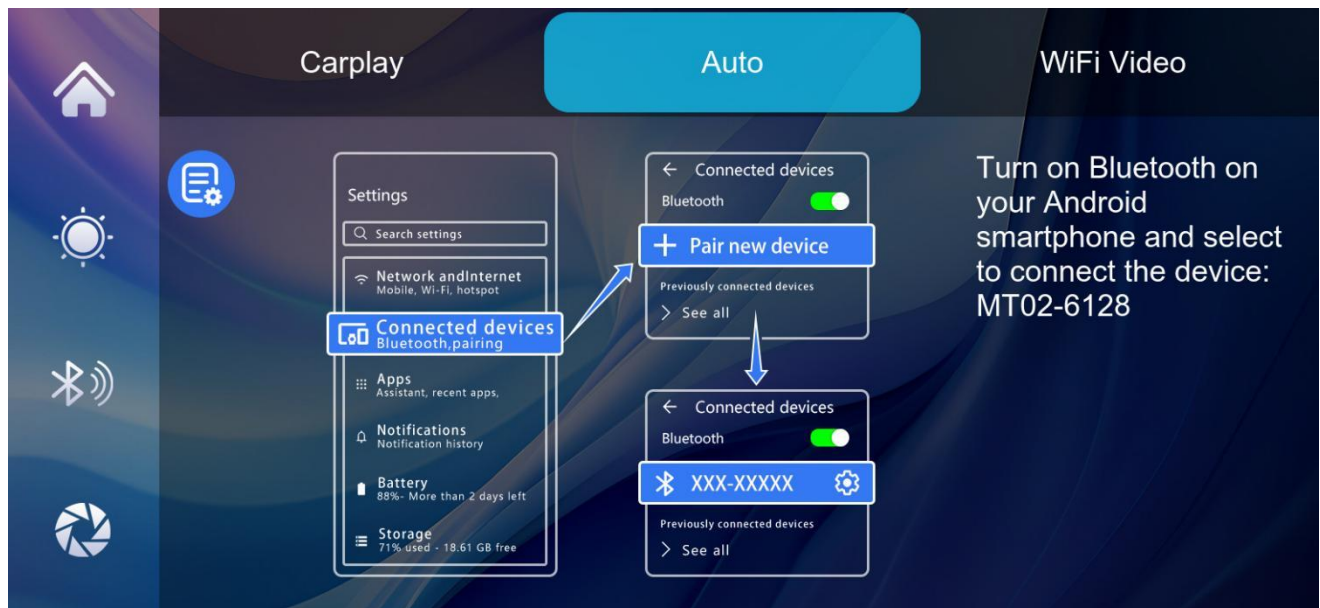
Click on the shortcut menu: [Return to Home], [Return to Recording Video Screen], [Volume Adjustment], [Brightness Adjustment].



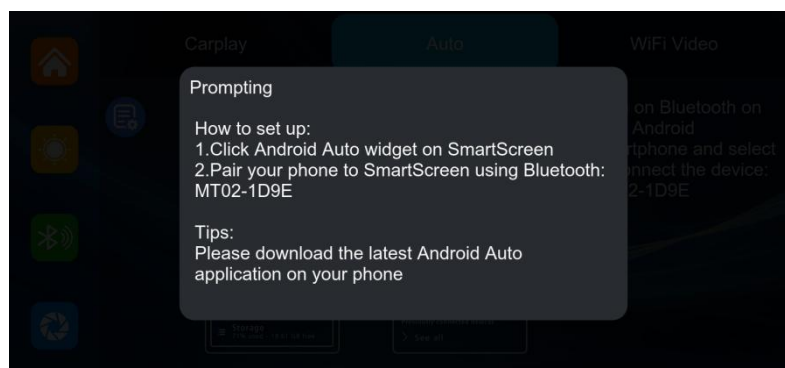
When the auxiliary touch is disabled, you can click the [Smart Screen] button to return to the homepage. (The Apple CarPlay option only supports Apple phones. Please first turn off the Bluetooth button, then turn off the WiFi button in the phone settings to disconnect).



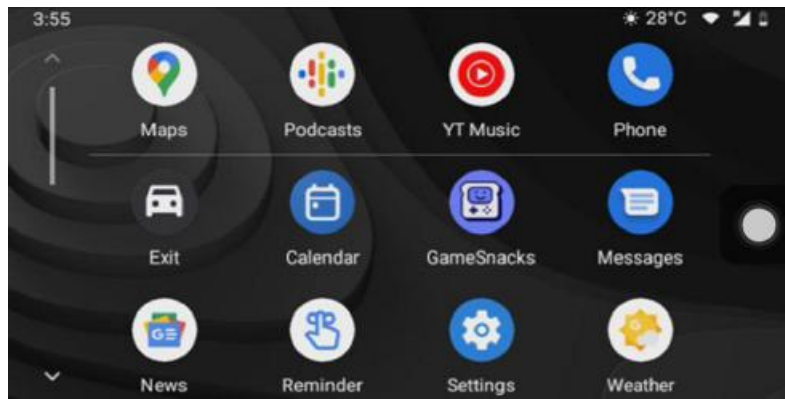
B. AndroidAuto



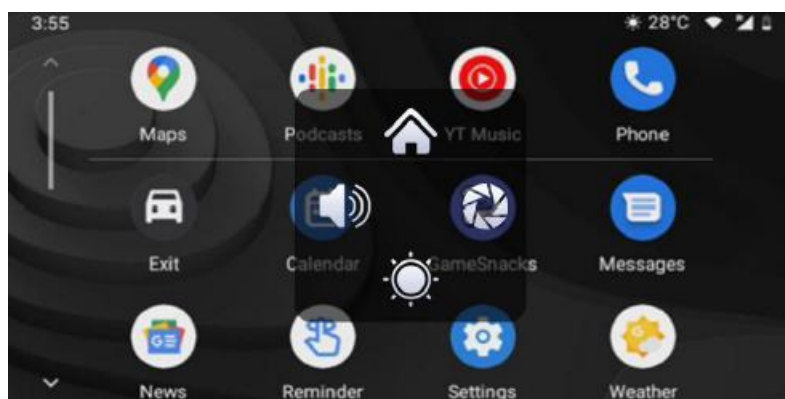
As shown in the diagram, click the [Android Auto] button, then select the [Android Auto] option. First, turn on Wi-Fi and Bluetooth on your phone, as shown in the diagram. Bluetooth will automatically turn on, and the name will be MT02-XXX. Once Bluetooth is successfully connected, you can connect to the Android Auto system. (When the machine is powered on, it will attempt to automatically connect to the last connected phone).



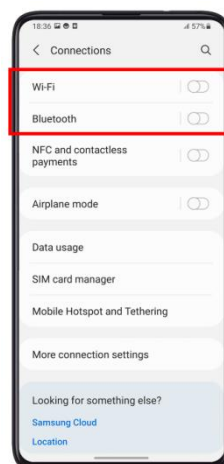
 Click the "Details" button for detailed connection steps and common connection issues



Click on the shortcut menu: [Return to Home], [Return to Recording Video Screen], [Volume Adjustment], [Brightness Adjustment]



(The wireless Android Auto option only supports Android phones. Please forget the Bluetooth in the phone settings, and turn off the WiFi button to disconnect).

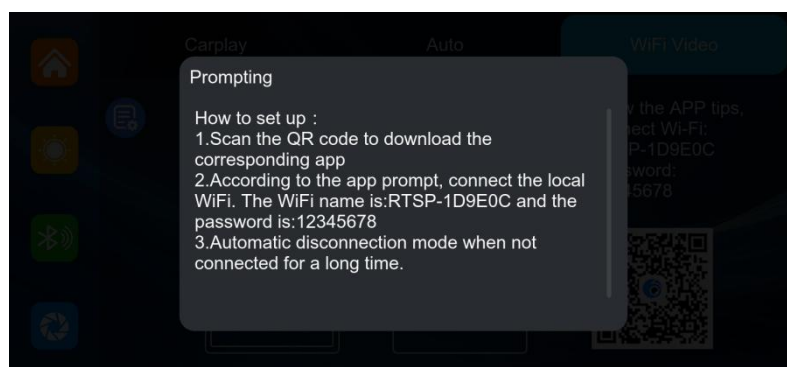


C. Wifi Video



As shown in the image above, first scan the QR code and download the corresponding application. Once the download is complete, open the application and follow the prompts to connect to the machine's WiFi. WiFi Name: RTSP-XXXXX, password as shown on the machine.

After connecting, the machine will enter the recording screen and no operations can be performed. You can watch or download recorded videos, adjust machine parameters, etc., on your phone.



Click the "Details" button for detailed connection steps and common connection issues

(Closing the WiFi button on the phone disconnects the connection. It takes one minute after disconnecting to operate on the machine)

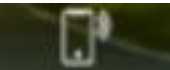


D、Dash Cam



As shown in the image above, camera images will not be displayed on the main page. To view the camera images, click the

""button. When a card is inserted, the system automatically enters recording mode. When recording, the red dot in the ""button will blink.

	Click to start recording, click again to stop recording
	Click to lock the current video with one touch
	Click to take a snapshot with one touch
	Click to return to the main interface
	Click to quickly return to the mobile connectivity interface
	Click to toggle the recording sound on or off

E, Audio Output

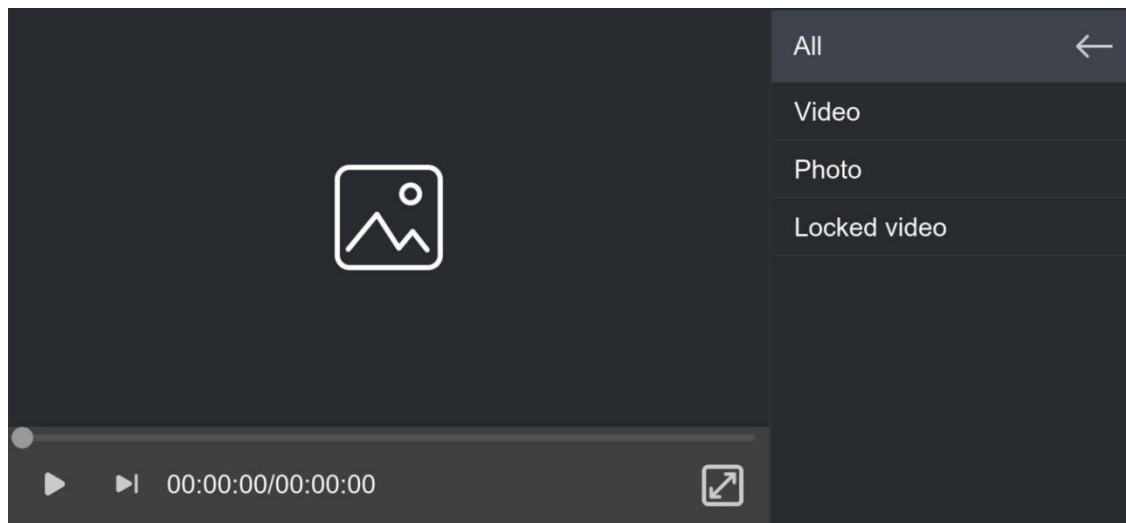


After connecting to [Apple CarPlay] or [Android Auto] for screen mirroring, you can use your phone's Bluetooth to connect to the motorcycle's Bluetooth headphones. Once connected successfully, all sounds produced by the device will be transmitted to the motorcycle's Bluetooth headphones for playback.

If there are any sound abnormalities, please disconnect the phone from the headphones.

F、 Video Playback

As shown in the image, click the [Video Playback] button to enter the video playback interface.



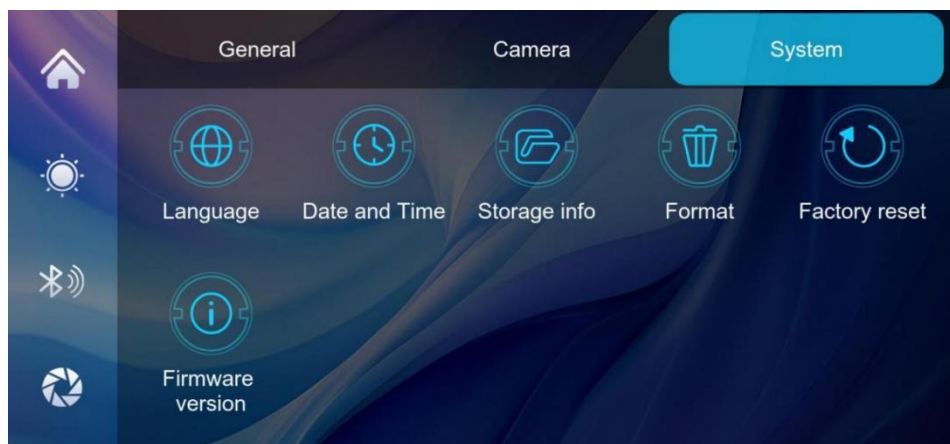
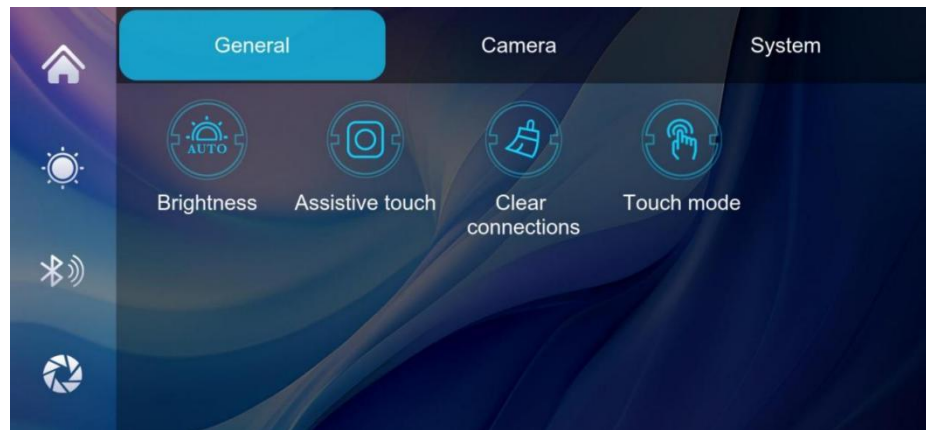
You can select the [Video], [Photo], [Locked Video] folders, then click the select button next to the file to delete, lock, or unlock the video.

Click " " to play or pause the video. Click " " to switch to the next video or photo. Click " " the fullscreen button to play the video in fullscreen.

Click " " to return to the previous screen.

XI、 Settings

The settings options are divided into three parts: General, Camera, and System.

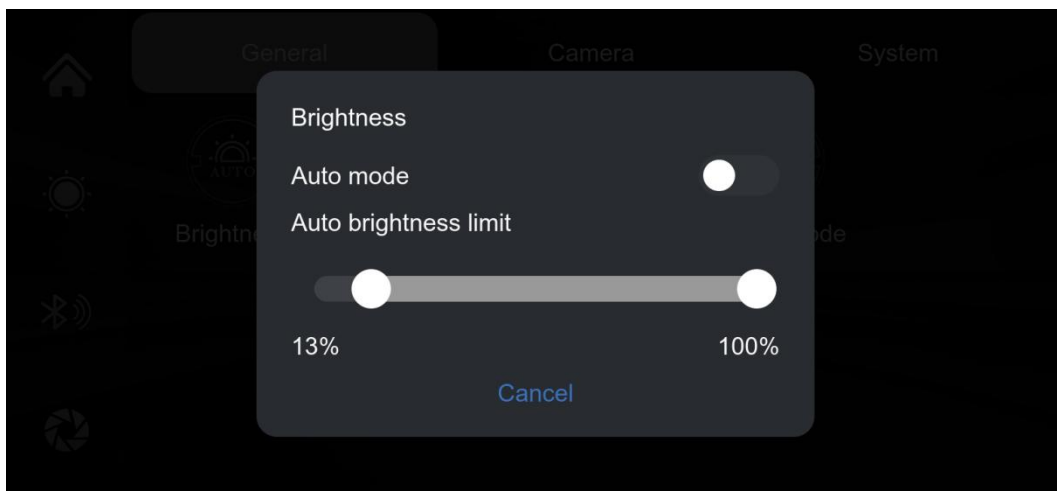


Icon	Specification
 Brightness	[Brightness] See below for details
 Auxiliary Button	[Auxiliary Button] This is a floating window button in screen projection mode on your phone, which you can choose to turn on or off.
 Clear Connection Records	Click [Clear Connection] to clear the connection history with your phone (Bluetooth, WiFi, screen playback).
 Touch Mode	In touch mode, you can choose between normal mode or rain mode. Only when rain mode is selected, touch disable function can be enabled by long pressing the square control button. Long pressing the square control button is ineffective in normal mode.
 Resolution	Click [Resolution] to enter the video resolution settings: Resolution options include 1080P/720P, default is 1080P.

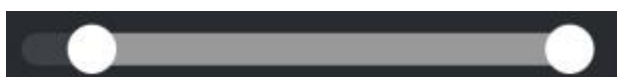
 Segmented Time	Click [Segmented Time] to enter the video segmentation time settings: Video segmentation time options include 1 minute/3 minutes/5 minutes. The system default is 1 minute.
 Recording Sound	Click [Recording Sound] to set: You can choose to turn it on or off.
 Rear View Mirror	Click [Rear View Mirror] to enter settings: You can choose to turn it on or off. This option makes it easier for customers to flexibly install the camera.
 Language	Click [Language] to enter settings: Language options include Simplified Chinese/Traditional Chinese/English/Russian/Spanish/French/German/Italian/Portuguese/Japanese/Korean.
 Time Settings	Click "Date and Time" to input settings: Individual settings include Year, Month, Day, Hour, Minute/Second/Time Format.
 Storage Information	Click [Storage Information] to enter the menu: You can view MEMORY card information. The former item indicates remaining available capacity, and the latter item indicates total capacity.

 Format	Click [Format] to enter settings: This option will format all data information on the inserted MEMORY card. It is recommended to manually format the MEMORY card when inserted for the first time to ensure sufficient card capacity. Note: It is recommended for users to manually format the MEMORY card regularly.
 Factory Reset	Click [Factory Reset] to enter settings: Factory reset will restore all settings to their initial state.
 Firmware Version	Click on the [firmware version] to access the menu: This option allows you to view the current basic version for confirmation.

Brightness



You can turn on or off automatic brightness and also set the minimum and maximum values for automatic brightness.



After enabling automatic brightness mode, manual volume adjustment is disabled. Drag the white dot button on the left to set the minimum brightness value, and drag the white dot button on the right to set the maximum brightness value. After setting, it will be automatically saved. You can click the [Close] button to exit the settings.

Common Issues

Numb er	Issues	Solutions
1	Unable to start (Supports 6-30V motorcycle use, cannot use high voltage).	① Check if the three wires of the step-down line are firmly connected or damaged. ② Check if the BM connector is tightened.
2	Touch invalid	①Touch is invalid when starting up, please wait for normal startup before operating again. ②Check if the touch screen is damaged. Do not touch the screen with sharp objects, as this may cause scratches and damage.

3	Camera No Image	① Before use, please purchase the manufacturer's compatible camera. ② Check if the BM connector is loose.
4	Machine Overheating, Jamming	① Avoid direct sunlight or exposure during use. When the temperature is too high, the device will automatically protect itself and stop working.
5	Carplay Cannot Connect	① Initial connection may take longer. ② Carplay is only supported by iPhone. ③ Check if the phone's WiFi and Bluetooth functions are normal. ④ Go to phone settings > General > Carplay in the car, delete all records and reconnect. ⑤ Restart the iPhone and reconnect.
6	Auto Cannot Connect	① Only supported by Android phones. ② Upgrade the Auto-related program on the phone to the latest version. ③ VPN function should not be enabled during screen mirroring. ④ Check if the phone's WiFi and Bluetooth functions are normal. ⑤ Restart the Android phone and reconnect.
7	WIFI Video Cannot Connect	① Try upgrading the application version. ② Check if the machine's MEMORY card is inserted. ③ Check if the machine's mode is switched to WIFI Video mode.

Product Specifications

Model	F83 DVR 6.25-inch
Main Control	High-performance SoC
Wireless Features	Apple Carplay, Android Auto. Wifi Video
Screen	6.25-inch, 1560*720 resolution
Storage	MEMORY Card, 32GB to 256GB, Class 10
Wireless	Wifi, bluetooth
Camera	Dual-channel front and rear cameras
Microphone	Built-in
Digital Line Control	Button shortcut control
Operating Voltage	Input: 6V-30V
Power	Not exceeding 10W
Dimensions	164*83*35MM
Weight	Approximately 338g
Material	ABS/PC

FCC Warning Statement: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

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.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co - located for operating in conjunction with any other antenna or transmitter.