

Manual

Product Type: 5GY0-MMS-00

1 catalogs

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1. Security information

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,

(2) this device must accept any interference received, including interference that may cause undesired operation.



Note: To avoid electric shock, please do not disassemble without authorization. If any internal parts are damaged, please contact a professional repairer.

Alert the user to the presence of uninsulated hazardous voltage within the product enclosure, which may be sufficient to pose a risk of electric shock to personnel.

The user is reminded of the existence of product-related operating and maintenance (service) instructions in this manual.

Always maneuver the vehicle in a safe manner. Do not get distracted while driving and always pay attention to the driving situation. Do not change settings or any other function options. First confirm the safety and legality of the operation, and then do the above. To ensure safety, some functions will be restricted while driving until the vehicle comes to a complete stop.

To minimize the risk of electric shock, do not remove the housing or back cover without authorization. There are no user-serviceable parts in the product. If it fails, please contact a professional for repair.

To minimize the risk of fire and electric shock, do not expose this product to high moisture or wet areas such as rain.

When driving, make sure that the sound volume inside the vehicle does not interfere with the fact that you can hear sounds from outside.

Hold and place lightly, no heavy objects can be stacked on this product.

Drivers should no longer look at the display while driving. If the driver looks at the display while driving, he or she may be distracted and cause a crash.

Warning.

- Do not use your cell phone while driving. You must park in a safe place when you need to use your cell phone.

Caution.

- Do not disassemble or modify this product. Because doing so may result in accidents, fire, and electric shock.

2. basic operation

2.1. Open the system.

Click the ignition buttssystem will automatically power up. Once the system boots up, the display will show the power oon to change the power mode to ACC or ACC ON and the n "CFMOTO" logo screen.

2.2. reboot

Long press the left + * keys for 10S to reboot the system.

2.3. Shut down the system

Vehicle ACC OFF.

3. bluetooth

3.1 Pre-use instructions

3.1.1 What is wireless Bluetooth technology?

- Wireless Bluetooth technology is based on short-range wireless network technology, using the frequency of 2402MHz ~ 2480MHz to allow different devices to connect in a short distance.
- It supports a variety of different electronic devices such as computer terminal, external devices, Bluetooth phones, PDAs, etc. In the driving environment, wireless Bluetooth technology enables high-speed transmission without the use of connecting cables.

3.1.2 Safe Driving Precautions

- Prolonged screen viewing is dangerous and can lead to accidents. When driving a vehicle, do not watch the screen for long periods of time.

3.1.3 Bluetooth warning for connecting to cell phones

- Before connecting to the main unit with your cell phone, check whether your cell phone has Bluetooth function.
- If you do not want your vehicle to automatically connect to your Bluetooth device, turn off the Bluetooth function in your Bluetooth device.
- Please stop the car while the phone is paired with the car.
- Some Bluetooth features may not work properly due to the hardware version of your phone. If these features work after a software update provided by your cell phone manufacturer, cancel all pairings and pair again before use.

3.2 Pairing and connecting your phone's Bluetooth

Before using the Bluetooth function, make sure that the Bluetooth function of your phone is turned on. Refer to your cell phone instruction manual.

3.3 Bluetooth Control

1. Go to "Settings"->"Bluetooth"->"Bluetooth Device Connection"->"Search for Devices"
"Start searching for devices.
2. Search for Bluetooth devices through your cell phone, enter the passkey to connect and match for the first time. Connect again without pairing and connect automatically.
3. After successful matching, the car display " " icon is highlighted.
4. Bluetooth connection can use the Bluetooth music function and Bluetooth phone function (must authorize MMI to obtain the address book de-authorization on the cell phone side)

4. WIFI

4.1 WiFi Connection and Disconnection

- 1) The car connects to the cell phone hotspot and only supports 5G hotspot.
- 2) Enter Settings-Connections-WI-FI and open it on the camera side, search for mobile hotspot (at this time, the hotspot on the cell phone side needs to be opened), select the WIFI that needs to be connected and connect it.
- 3) After successful connection, the icon " " will appear on the screen.
- 4) Connecting again will connect automatically. Ignoring the device on the phone or car terminal will not connect automatically.
- 5) When the distance between the car phone and cell phone is too far, or the car phone is powered down, or the cell phone is turned off, it will automatically disconnect. You can also manually disconnect at the car or cell phone end.

4.2 Functions after WIFI connection

- 1) The car gets network via WIFI and can use the map function.
- 2) The car gets network time through WIFI.

5. multimedia operation

5.1 Bluetooth music

After successful Bluetooth matching, the screen displays the Bluetooth connection icon  .

1. Bluetooth music cannot be played when Bluetooth is not connected.
2. The system supports automatic connection of Bluetooth devices that have already been connected;
3. The cell phone searches for Bluetooth to connect;
4. When the phone uses a third-party music player for music playback, the system also supports playback;
5. When in the state of ACC OFF, the Bluetooth connection is disconnected;
- 6, Bluetooth music support switch the previous song, the next song, pause playback.

6. cell phone connection

6.1 Cellular Interconnect Connection Requirements

- 1) Mobile phone connects to MMI through WIFI;
- 2) Mobile phone interconnection supports mapping the content on the cell phone to the MMI host screen;

6.2 Cellular Connection Connection and Exit

Every time you interconnect to cast screen, you need to connect WIFI, WIFI is used to cast screen and Bluetooth is used to transfer audio.

After successful wifi casting, if it recognizes that the Bluetooth of the cell phone and the car is not paired/connected, it will prompt the user to do Bluetooth pairing/connection first, if the Bluetooth connection is successful, the interconnected audio will be output from the car's speakers/Bluetooth headset, if the Bluetooth connection is skipped, the interconnected audio will be output from the cell phone side. (When Bluetooth is not connected, the interface prompts to skip Bluetooth connection, but will not automatically perform Bluetooth pairing) The following requirements are for the operation of screen casting connection and disconnection for cell phone connectivity (distinguishing between Android and iOS).

6.2.1. interconnection connection method:

Android phone operation:

Turn on WIFI for both cell phone and car, connect the Bluetooth of cell phone to the car, open the driving companion of cell phone and car, click the button of "Connect" on the cell phone, or scan the QR code on the screen of the car to interconnect.

iOS phone operation:

Cell phone connects to the hotspot of the car, the car connects to the Bluetooth of the cell phone, open the cell phone and the CFMOTO RIDE APP, click on the "Connect" button on the cell phone, or scan the QR code on the screen of the car to interconnect.

Explanation: When user scans QR code, Mobile Internet will send broadcast to the system, the system needs to determine the current wifi mode and switch to the desired mode for the Mobile Internet after receiving the broadcast. When the system receives the broadcast, it needs to determine the current wifi mode and switch to the desired mode for the cell phone interconnection.

6.2.2. Disconnection method:

- (1) In the interconnection, click the connection states icon in the CFMOTO RIDE App on the cell phone
- 2) In the interconnection, exit the process of the CFMOTO RIDE App on the cell phone.

Special Instructions:

Sensorless connection: means that after the first connection, connecting again does not need to repeat the previous connection steps; instead of automatically opening the APP after connecting, the action of opening the APP needs to be performed manually by the user; For cell phone connectivity, as a third-party application it can't self-start, can't realize the forced pop-up window like Apple system, and can't realize the car terminal and cell phone terminal wake each other up.

6.3 Mobile phone interconnection screen casting mode

Supports app casting and phone mirroring.

The language of the cell phone connectivity application should be consistent with the MMI system settings, and the interface should follow the HMI specification of MMI.

1, cast screen mode:

Display the mobile connectivity customization UI (i.e., in widget form) on the car's console.

When casting mode, IOS doesn't support phone lock screen and split screen casting (the front of the phone must be a casting app), Android supports it;

In casting mode, domestic customized apps: Gaode Navigation, Internet Radio, Local Music, and foreign customized apps: Google;

When casting mode, Android supports adding three-way apps, IOS does not;

2. Mirror mode:

Cast your phone screen directly to the car end without UI adaptation.

When mirroring mode, iOS does not support phone lock screen and call, Android does not support phone lock screen;

Under the mirror mode, after the Android phone lock screen, the interface shows the lock screen prompt and home button, click the home button to return to the desktop of the car system.

Under the mirror mode, after the iOS phone lock screen, the interface shows the lock screen prompt and the back button, click the back button to return to the previous page of the car system.

7. CarPlay

7.1 CarPlay connection method

1. Connection mode: wireless connection (Bluetooth connection + WIFI hotspot connection, the car works in hotspot mode, Bluetooth is responsible for establishing the connection, WIFI is responsible for data transmission)

The Apple device first pairs and establishes a connection with the car via Bluetooth, and then establishes a WiFi link via the IAP2 protocol. Once the Carplay session is established, the Bluetooth link is disconnected and the information interaction is transmitted via WiFi.

2. Bluetooth, WiFi switch description

①When Carplay is not connected: Connect Carplay via Bluetooth, the car will automatically turn off WiFi and turn on the hotspot; after connecting successfully, Bluetooth will be disconnected automatically;

- ②When Carplay is connected: turning on Bluetooth will disconnect carplay, WiFi stays off;
- ③When Carplay is connected: turning on WiFi will disconnect Carplay and Bluetooth will turn on automatically.

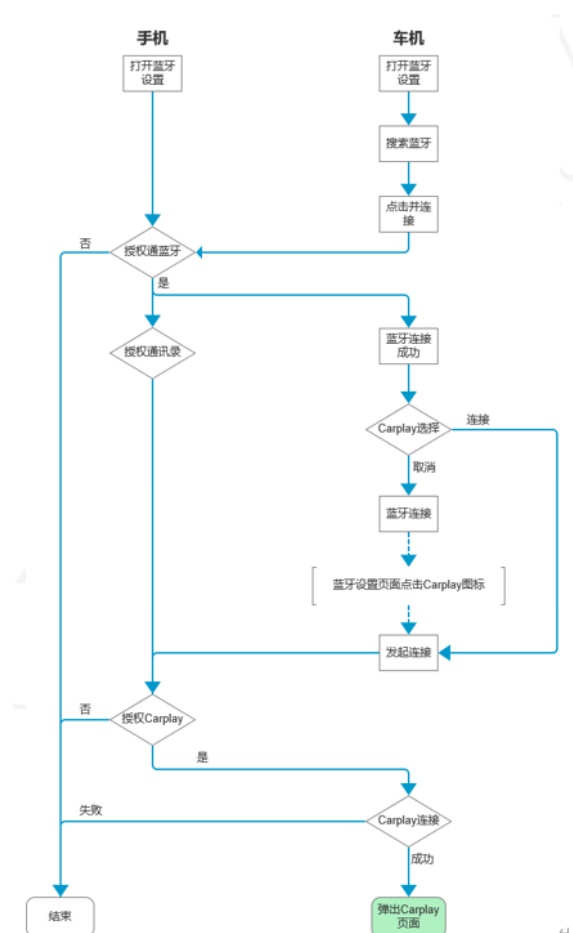
7.2. CarPlay connection and exit

7.2.1. First connection

1. Definition: First time connection refers to connecting an iPhone device that has not been connected before or an iPhone device that has been connected but deleted.

When a user outputs a memorized Bluetooth device, its corresponding CarPlay connection memory should be deleted at the same time. When that phone connects again, it is treated as a new device.

2. First connection process



When connecting Bluetooth to an iPhone device for the first time, a pop-up window allows users to select "Use Bluetooth" or "Use Apple CarPlay", users select and remember the option; if users select "Use Bluetooth", when connecting to the device again, there is no pop-up window and only Bluetooth is connected; if users select "Use Apple CarPlay", they will enter CarPlay. If the user selects "Use Bluetooth", then when connecting to the device again, there will be no more pop-up window and only Bluetooth will be connected; if the user selects "Use Apple CarPlay", then it will enter CarPlay.

3. Since CarPlay connection takes some time, during the CarPlay connection process, there should be a pop-up window to remind the user that the CarPlay connection is currently being established until the CarPlay connection is successful, and after the CarPlay connection is successful, it will be displayed in the foreground. If the connection fails, the user will be prompted that the connection has failed.

7.2.2. Automatic reconnection

1. Auto Reconnect applies to scenarios where the connection is passively disconnected, including carrying the phone away from and then close to it, disconnecting the Wi-Fi from the cellular side of the phone and then turning it back on, and only applies to iPhone devices that have been connected the most recent time.
2. Disconnection caused by operating the settings on the vehicle terminal is regarded as active disconnection, and the cancellation of authorization on the mobile terminal is regarded as active disconnection, neither of which triggers automatic reconnection.
3. Auto reconnect does not need user's confirmation, if CarPlay is displayed in the foreground at the time of disconnection, CarPlay should still be in the foreground after auto-connect; if CarPlay is in the background of the system at the time of disconnection, CarPlay should still be in the background after auto-connect, and at the same time, Toast prompts the user that "CarPlay has been connected". If CarPlay is in the background when disconnecting, CarPlay should still be in the background after auto-connecting, meanwhile Toast prompts the user "CarPlay is connected".

7.2.3. Sensorless connection

1. Sensorless Connection is a setting item and is turned on by factory default. If CarPlay is connected when the car is switched off, you need to judge whether to initiate CarPlay connection according to the state of the sensorless connection when the car is switched off and on again.
2. When the setting is off, the CarPlay connection is not automatically initiated when the power is turned on, and then only the Bluetooth connection is triggered without prompting.

3. When the setting item is On, CarPlay connection is automatically initiated once when the device is turned on, and no user confirmation is required for sensorless connection. Whether or not to display in the foreground after a successful connection follows the policy of **2.3 Auto-reconnection**.

7.2.4. Non-first connection

1. For a new iPhone device, the first time you connect to the system actively ask whether to connect to the carplay, the user choose to decline, you can in the Bluetooth connection page to initiate the connection again.
2. The connection method is to click the CarPlay icon in the Bluetooth device list, and if the connection is successful, it will enter the CarPlay foreground page, if the connection fails, it will prompt the user that the connection has failed. If the connection fails, the user will be prompted to know that the CarPlay connection is currently being established.

7.2.5.

(1) CarPlay can be disconnected in the following ways, at which time there is no prompt from the car:

- Turn off the engine.
- Keep your cell phone away.
- Turn off cellular Wi-fi
- Cancel CarPlay authorization on cell phone

(2) CarPlay can be disconnected in the following ways, at which time a pop-up window on the vehicle reminds the user that the operation will cause CarPlay to quit:

- Enable Bluetooth in the car
- Turn on the car Wi-fi

(3) CarPlay can be backed up to the background by clicking the "CFMOTO" icon on the CarPlay APP page, and then the system should display the App Center page.

7.3 WIFI requirements for CarPlay

- 1) The frequency band is required to work in 2.4GHz or 5GHz, and it is recommended to work in 5GHz band;
- 2) 2.4 GHz band: Requires the on-board equipment (AP) to operate only on channels 1 (2.412 GHz), 6 (2.437 GHz) or 11 (2.462 GHz);
- 3) 5 GHz band: the on-board equipment (AP) is required to operate in channels 149 (5.745 GHz), 153 (5.765 GHz), 157 (5.785 GHz), 161 (5.805 GHz), 165 (5.825GHz)

7.4 CarPlay and Mobile Connectivity Competition

Cellular Connectivity and Carplay Mutually Exclusive Description:

After the successful connection of cell phone interconnection, if users want to switch to Carplay casting, they can connect to Carplay through the Bluetooth page in the settings item;

After Carplay is successfully connected, users who want to switch to cell phone connected cast screen can directly open the cell phone connected application and scan the code to connect.

Phone Connect and CarPlay can't connect at the same time

8. Bluetooth phone

8.1 Bluetooth phone activation

When the Bluetooth connection between the cell phone and the car is successful, and the cell phone authorizes the car to get the access to the address book, you can make and receive calls on the car side.

8.2 Functions

1. Support answering, hanging up, rejecting, and dialing out calls in the car phone terminal.

The MMI can only end an active call on the handset side; a Hold call on the handset side cannot be ended. When the Hold call on the handset side is switched to Active, the system needs to display according to the status of the Active call on the handset side.

2. Display

1) Talk time: range is 00:00:00~99:59:59, after exceeding the maximum time, it will retime from 00:00:00;

- 2) Phonebook/Call Log button:

The call interface supports direct browsing of phonebook or call logs via on-screen buttons;

- 3) The other party's phone number (the other party's contact name is displayed if it has been synchronized in the phonebook)

Note: The call information displayed on a Bluetooth phone depends on the information transmitted from the cell phone side, so the information displayed during a call may vary for different cell phones.

This device complies with Part 15 of the FCC rules. Operation is subjected 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 your authority to operate the equipment.

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada . Son fonctionnement est soumis aux deux conditions suivantes :

(1) Ce dispositif ne peut causer d'interférences ; et

(2) Ce dispositif doit accepter toute interférence , y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

[Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.](#)

FCC/IC Radiation Exposure Statement

The equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. The equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux rayonnements FCC et ISED

L'équipement est conforme aux limites d'exposition aux rayonnements FCC/IC RSS-102 établies pour un environnement non contrôlé. L'équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et votre corps.

FCC VOC

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.

Hereby, [Guangzhou Chuangrui Vehicle Devices Ltd.,co.] declares that the radio equipment type [5GY0-MMS-00] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.vigogroup.com>

Bluetooth BR/EDR/LE,

Bluetooth transmitter frequency range: 2402 MHz - 2480 MHz

Bluetooth transmitter power: ≤ 20 dBm (EIRP)

Wi-Fi network: IEEE 802.11 a/b/g/n/ac (2.4GHz/5.8GHz)

2.4G Wi-Fi transmitter frequency range: 2412 - 2472 MHz

2.4G Wi-Fi transmitter power: < 20 dBm (EIRP)

5G Wi-Fi transmitter frequency range: 5.745 - 5.825 GHz

5G Wi-Fi transmitter power: < 14 dBm (EIRP)

Note: This power is for EU only