

# 70mai 4G Hardwire Kit User Manual

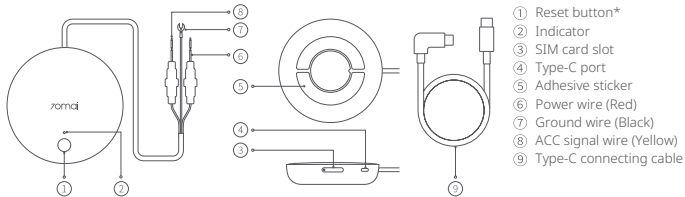


Service: [help@70mai.com](mailto:help@70mai.com)

**TECHPUNT**  
70mai

## Product overview

Please read this manual carefully before using the product and keep it in a safe place.



\* If the product stops responding, press and hold this button to reset it.

Note: Illustrations of the product, accessories, and user interface in the user manual are for reference purposes only. The actual product and functions may vary due to product enhancements.

## Product functions

As an accessory to 70mai in-car devices, this product must be used with the main device. After correctly installed and bound in the 70mai app, this product provides the following features:

- Provide power source to the main device.
- Provide Internet service to the main device(When installed with a SIM card)
- Detect the ACC OFF signal when the car engine is turned off, so that the main device will enter parking surveillance mode(Parking surveillance function needs to be enabled in the main device beforehand).
- Provide low-voltage protection to prevent over-discharging of the car battery due to the

continuous operation of the main device.

## Installation

### Step 1. Selecting the suitable fuse box

Select a suitable car fuse box that contains the following fuses:

- Regular electric fuse with an output voltage of 12-30V.
- ACC power fuse.

Paste the product on the side of the console center which is close to the selected fuse box.

### Step 2. Connecting the hardwire kit to the fuse box

Connect the wires of the hardwire kit to the fuses inside of the fuse box in the following way:

1. Connect the power wire (Red) to the regular electric fuse with an output voltage of 12-30V.
2. Connect the ACC signal wire (Yellow) to the ACC power fuse.
3. Connect the ground wire (Black) to the negative terminal or ground of the fuse box.

Note: Before installation and wiring, please turn off the car engine and power to prevent short circuit.

### Step 3. Testing circuit and ACC signal

Test circuit and ACC signal in the following way:

1. Insert the L-shape plug of the connecting cable to the Type-C port of the hardwire kit, and the other plug into the power port of the main device. Start the car engine and wait for the main device to turn on.

If the main device fails to power on, turn it on manually. If the message "**Connect to an external power source**" is shown, check if the power wire of the hardwire kit is correctly connected to the regular electric fuse.

2. After the main device is turned on, turn off the engine and remove the key. Check if the main device powers off or enters sleep mode.

For some cars, the ACC power off signal will only be triggered when the driver seat door is opened after the engine is turned off. Some car models will only trigger the ACC power off signal after the engine has been turned off for a certain period of time. For such cars, check if the main device powers off or enters sleep mode after the ACC power is turned off.

3. After the main device powers off or enters

sleep mode, restart the engine and check if the main device automatically turns on.

If the above steps can be proceed correctly,the circuit and ACC signal test is passed.

If the circuit and ACC signal test fails, please check the wiring of the hardwire kit and ensure that the fuse and ground are correctly connected.

If the connection is correct, but the test fails, contact after-sales service for assistance.

#### **Step 4. Managing cables**

##### **1. Managing the Type-C connecting cable**

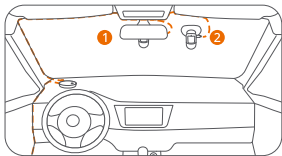
Route the Type-C connecting cable along the A pillar, top of the windshield to the main device.

You can use the wiring crowbar to hide the cable underneath the vehicle's headliner and rubber seal along the A-pillar.

##### **2. Managing the hardwire kit**

Route the hardwire kit along the gap between the console center and the A pillar to the fuse box.

If the hardwire kit is too long, tie it up, but do not cut it. Cutting the hardwire kit will affect the power and ACC signal to the main device.



Note: The location of the fuse box and the recommended mounting position (position 1 or 2) of the main device may vary from vehicle to vehicle. Please employ a professional technician for mounting according to the vehicle condition. The illustration provided is for reference only.

## Binding the hardware kit

This product needs to be bound in the 70mai app so as to provide the Internet service to the main device. Before binding, prepare the followings:

### 1. Inserting the SIM card

When the engine is turned off, insert the SIM card into the SIM card slot of the hardware kit.

### 2. Connecting the hardware kit and the main device

Refer to the *Installation* chapter in this user manual, correctly install the hardware kit and connect it to the main device through the connecting cable.

After the preparations, follow the steps below to bind the hardwire kit.

1. Park the car in a place where your phone's Internet signal is good. And then start the car to turn on the main device.
2. Add the main device in the 70mai app following the user manual and user guide of the main device.
3. Open the 70mai app and enter the plug-in page of the main device, and tap **4G module**.
4. Bind the hardwire kit following the instructions on the screen. The main device's network service will be available once the hardwire kit is bound successfully.

Note: During the binding, keep your phone close to the main device without obstacles inbetween.

## Precautions

Before using the device, please read all the precautions to ensure correct and safe use.

- Please ask a professional technician to perform the installation. Our company is not liable for any short-circuiting of the car power supply and damage to car battery or interior due to improper installation.
- Our company is not liable for any losses resulting from the installation of the product unless they are caused by product quality issues.
- The performance of this product is affected by the reliability of the car power source, car battery and main device. Our company is not liable for any losses from the malfunction of this product unless it is caused by product quality issues.

- Some cars cannot detect changes in ACC signals when the engine is turned on or off. For such cars, the hardwire kit is unable to transmit ACC signals to the main device. This may cause certain functions to be unavailable.
- Please only use this product for legal purposes.

### WEEE information



All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.



### RF exposure

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. The full text of the EU declaration of conformity is available at the following internet address: <https://help.70mai.asia/1193.html>



## Specifications

Product: 70mai 4G Hardwire Kit

Model: Midrive UP04

Input: DC 12V to 30V

Output: 5V  $\approx$  2.4A

Negative car power outlet: GND(-)

Positive car power outlet: VCC(+)

Car power: ACC

Low voltage protection: 11.8V(12V Battery)/23.6V(24V Battery)



Hereby, 70mai Co.,Ltd. declares that the radio equipment type Midrive UP04 is in compliance with Radio Equipment Regulations 2017. The full text of the UKCA declaration of conformity is available at the following internet address: <https://help.70mai.asia/2145.html>

Service: [help@70mai.com](mailto:help@70mai.com)

For further information, please go to [www.70mai.com](http://www.70mai.com)

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## Packing list

70mai 4G Hardwire Kit × 1

Type-c connecting cable × 1

Pin × 1

User manual × 1