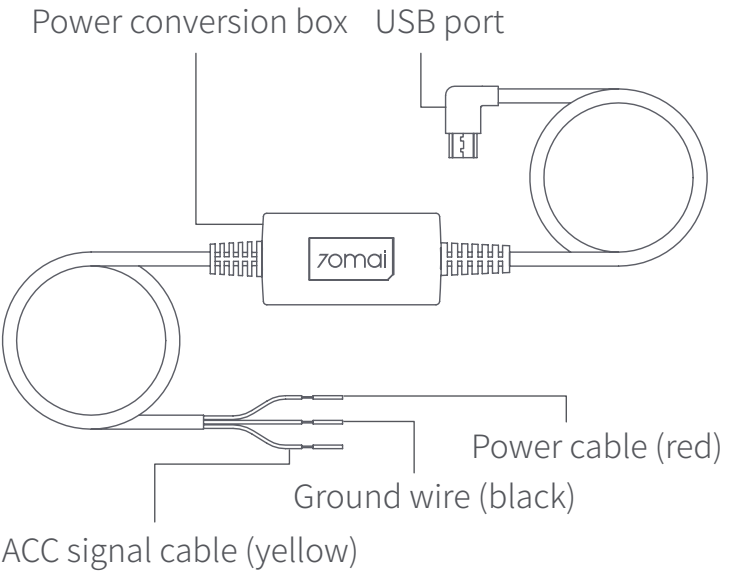
70mai Hardware Kit User Manual

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

Product Introduction



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 connected with the main device, 70mai Hardware Kit will power and transmit ACC signals to the main device, and provide low-voltage protection to prevent over-discharging of the car battery due to the continuous operation of the main device.

Supported Devices

This product is compatible with parking surveillance-supported Xiaomi and Mijia in-car devices manufactured by 70mai Co., Ltd. Refer to the Online Guide or product page for the full list of supported devices.

This product has a micro USB port and does not support main devices that uses a Type-C connector.

Important note: For smart rearview mirrors and other smart in-car products, change the power on/off mode to "ACC detection mode" in power on/off settings after installing and connecting the hardware kit. Otherwise,

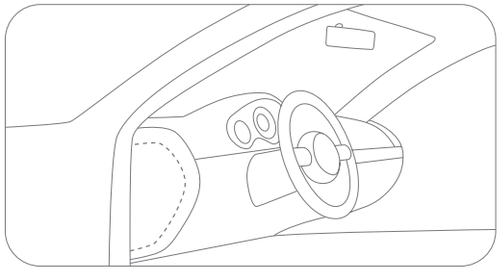
the main device may malfunction.

Installation

Step 1 Connect the fuse box

Select a suitable car fuse box based on the wiring path and the location of the main device, and connect it to the hardware kit. Please ensure that the fuse box can contain the followings:

1. Regular electric fuse with an output voltage of 12-30V and output current of 2.4A;
2. ACC power fuse.



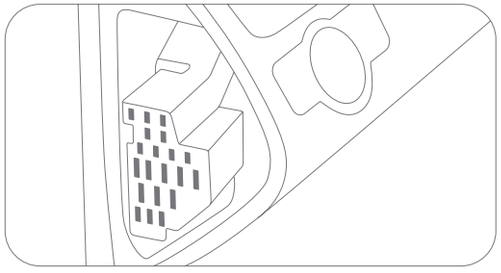
Step 2 Connect the hardware kit to the fuse box

Connect the wires of the hardware kit to the fuse box in the following way:

1. Connect the power cable (red) to the regular electric fuse with an output voltage of 12-30V and output current of 2.4 inside the fuse box;
2. Connect the ACC signal cable (yellow) to the ACC power fuse inside the fuse box;
3. Connect the ground wire (black) to the negative terminal or ground of the fuse box.

Important notes:

- The actual installation and wiring path of the hardware kit may differ from the illustrations in the manual. Please seek assistance from a professional technician.
- Before installation and wiring, please turn off the car engine and power to prevent short circuit.



Step 3 Test the connection and ACC signal

Smart rearview mirrors and other smart in-car devices

Please follow the steps below to test the connection and ACC signal:

1. Connect the USB port of the hardware kit to the power outlet of the main device (DC/IN). Start the engine and wait for the main device to turn on. If the main device fails to power on, press and hold the power button to manually turn it on. If the message "Connect to an external power source" is shown, check the power cable of the hardware kit to see if it is correctly connected to the regular electric fuse.
2. After the main device is turned on, go to Settings > Power on/off settings and select ACC detection mode. Restart the main device for the new settings to take effect.
3. After the main device has restarted, 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, observe for some time after the ACC power is turn off to check if the main device powers off or enters sleep mode.
4. After the main device powers off or enters sleep mode, restart the engine and check if the main device automatically turns on.

The above steps show that the connection is correct and that the ACC signal can be triggered correctly.

Dash cams

Please follow the steps below to test the connection and ACC signal:

1. Connect the USB port of the hardware kit to the power outlet of the main device (DC/IN). Start the engine and wait for the main device to turn on. If the main device fails to power on, press and hold the power button to manually turn it on. If the message "Connect to an external power source" is shown, check the power cable of the hardware kit to see if it is correctly connected to the regular electric fuse.

2. After the main device has 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, observe for some time after the ACC power is turn off to check if the main device powers off or enters sleep mode.
3. After the main device powers off or enters sleep mode, restart the engine and check if the main device automatically turns on.

The above steps show that the connection is correct and that the ACC signal can be triggered correctly.

If the connection or ACC signal test fails, please check the wiring of the hardware 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.

After ensuring that the connection and ACC signal are correct, go to the next step: "Cable management".

Step 4 Cable management

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

Enabling the parking surveillance function

The parking surveillance function is disabled by default and must be enabled in the main device. Refer to the user manual of the main device to see how to configure the settings.

Note: Please read all notes and instructions carefully before using this product to ensure safety.

Precautions

- 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 70mai hardware 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.

User Guide

The Online Guide contains a detailed description of the product's functions. Please read the Online Guide carefully before using this product to prevent losses due to incorrect use.

Scan the QR code below for the Online Guide.

Specifications

Input voltage: DC 12-30V

Output voltage: 5V

Output current: 2.4A

Low voltage protection for small cars: 11.4 V

Low voltage protection for big cars: 22.8 V

Working temperature: -20°C~70°C

Storage temperature: -30°C~85°C

Packing List

1. 70mai Hardware Kit ×1
2. User Manual ×1

FCC Caution.

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.

V1.0-20200903

Service: help@70mai.com

For further information, please go to www.70mai.com

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