



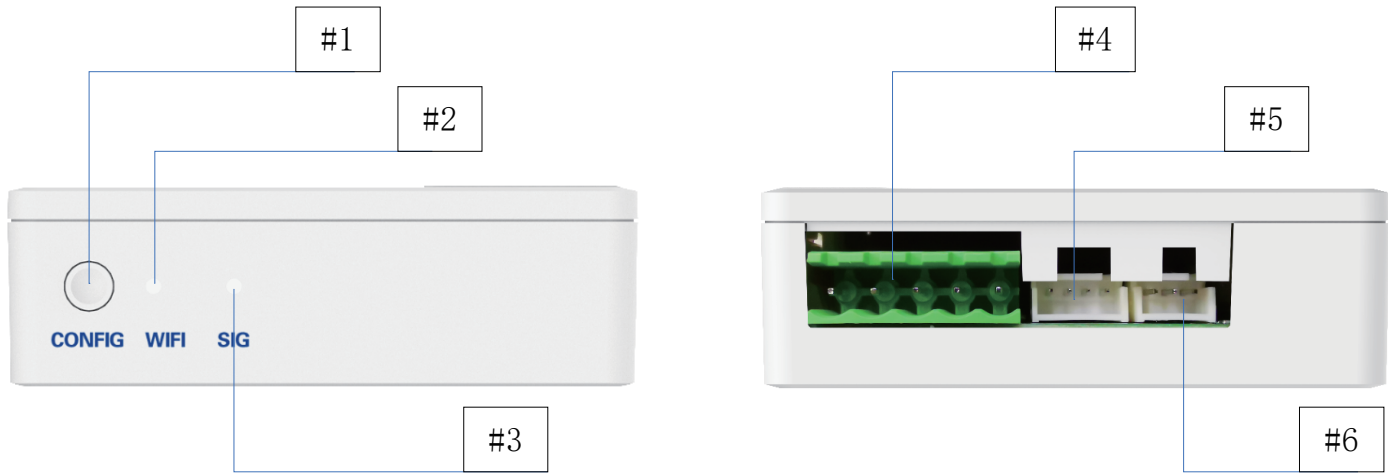
# **User Manual For G-BOX Intelligent Remote Control Terminal**



**MY2025**

# 1 Product Information

## 1.1 Port definition



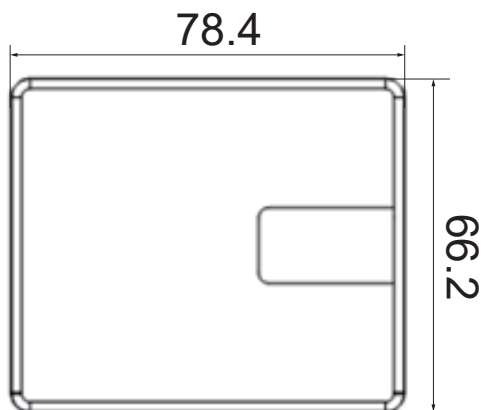
| S/N | Name               | Mark   | Description                                                                                                                                                                                     |
|-----|--------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #1  | Function button    | CONFIG | Press the CONFIG button for 10s to configure the network.                                                                                                                                       |
| #2  | WIFI Indicator LED | WIFI   | Quick flash: The network configuring mode is entered.<br>Slow flash: (flashing once in 1s) The network has been configured successfully.<br>Continuous off: The power supply is not powered on. |
| #3  | SIG Indicator LED  | SIG    | Quick flash: The equipment network communication is normal.<br>Continuous off: The power supply is not powered on, or the equipment network communication fails.                                |
| #4  | CN1 Port           | P'     | Power, 12VDC, nonpolarity                                                                                                                                                                       |
|     |                    | P      | Power, 12VDC, nonpolarity                                                                                                                                                                       |
|     |                    | E      | Protective earth terminal of the RS485 bus                                                                                                                                                      |
|     |                    | X      | Wire A of the RS485 bus                                                                                                                                                                         |
|     |                    | Y      | Wire B of the RS485 bus                                                                                                                                                                         |
| #5  | CN2 Port           | B      | Wire B of the RS485 bus                                                                                                                                                                         |
|     |                    | A      | Wire A of the RS485 bus                                                                                                                                                                         |
|     |                    | GND    | Power, ground wire                                                                                                                                                                              |
|     |                    | 12V    | Power, 12VDC                                                                                                                                                                                    |
| #6  | CN3 Port           | 12V    | Power, 12VDC                                                                                                                                                                                    |
|     |                    | Sig    | Signal wire                                                                                                                                                                                     |
|     |                    | GND    | Power, ground wire                                                                                                                                                                              |

## 1.2 Technical specifications

| Port                                       | Parameter Item           | Specification                                    |
|--------------------------------------------|--------------------------|--------------------------------------------------|
| WIFI                                       | WIFI standard            | IEEE 802.11b/g/n (channel 1-14)                  |
|                                            | Transmission speed       | $\leq 54\text{Mbps}$                             |
|                                            | Frequency range          | 2.400GHz to 2.484GHz                             |
| Bluetooth<br>(local network configuration) | WIFI standard            | Bluetooth 4.2                                    |
| RS485                                      | Transmission speed       | Baud rate $\leq 9,600$ bps                       |
| Power                                      | Power supply requirement | DC 12VDC, with a maximum power consumption of 4W |

## 2 G-BOX Installation and Wiring

### 2.1 Installation dimensions



(Unit: mm)

### 2.2 Wiring guidance

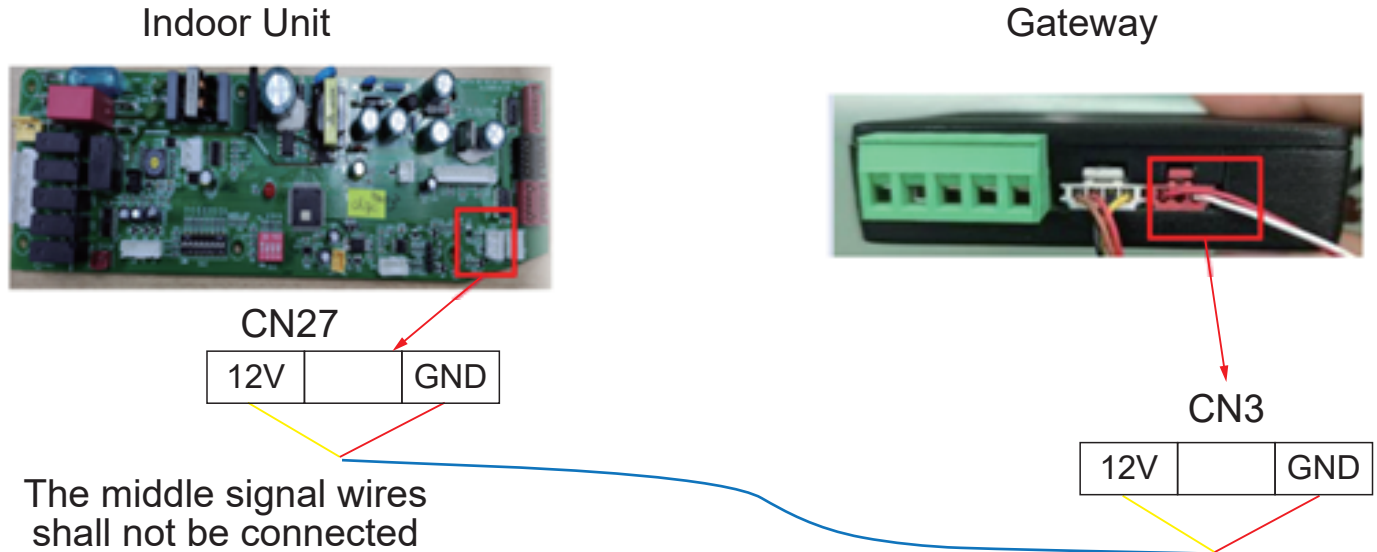
Note: Wiring shall be carried out by professionals, and live installation is prohibited.

Wiring shall be carried out in strict accordance with the wiring diagram, and the equipment shall be prevented from water, mud, and other sundries.

It is necessary to pay attention to the orientation of the equipment to avoid installing it adversely.

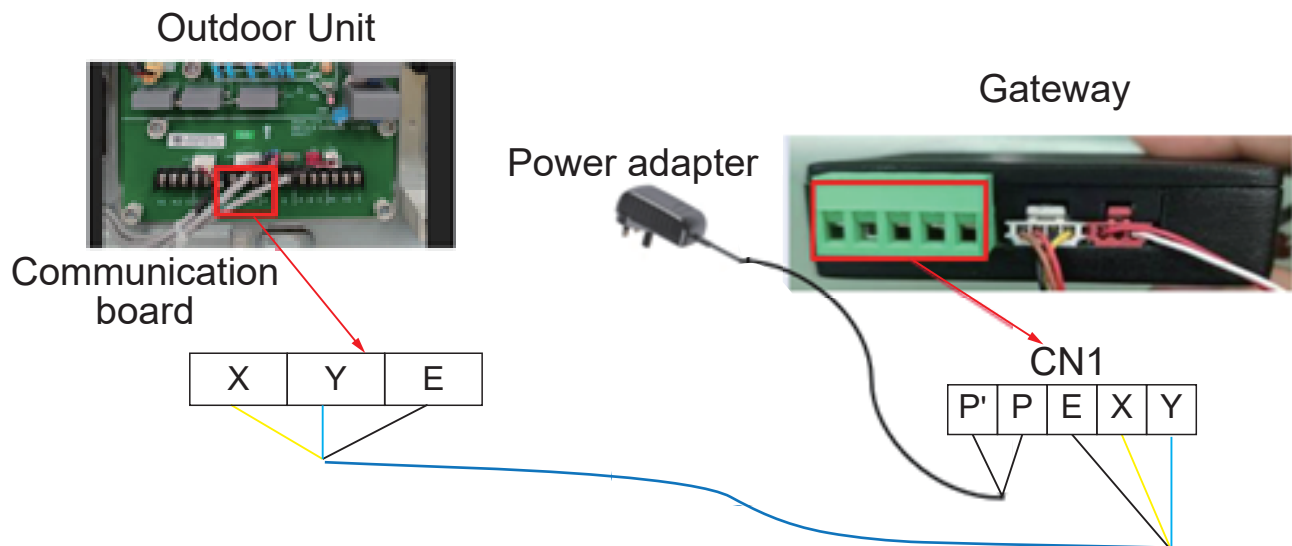
Application scene: G-BOX is connected to VRF

Power wiring diagram for XCT8 Indoor Unit and G-BOX:



Note: The wire connection of the Indoor Unit and the G-BOX power in the above diagram is only for power supply for G-BOX, and the actual communication depends on XYE connecting the Outdoor Unit in the following diagram. G-BOX can also be powered by inputting 12V through the power adapter wiring as shown in the diagram below.

Communication wiring diagram for the Indoor Unit and G-BOX power:



## 3 APP Operation Description

### 3.1 Download and installation

#### 3.1.1 APP downloading

For the iOS system, please search in App Store: Tuya;  
For the Android system, please search in App Store: Tuya;

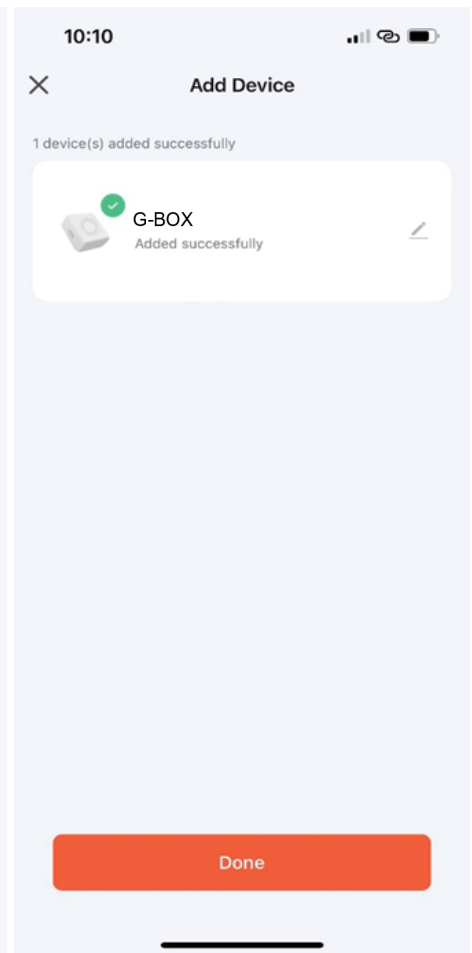
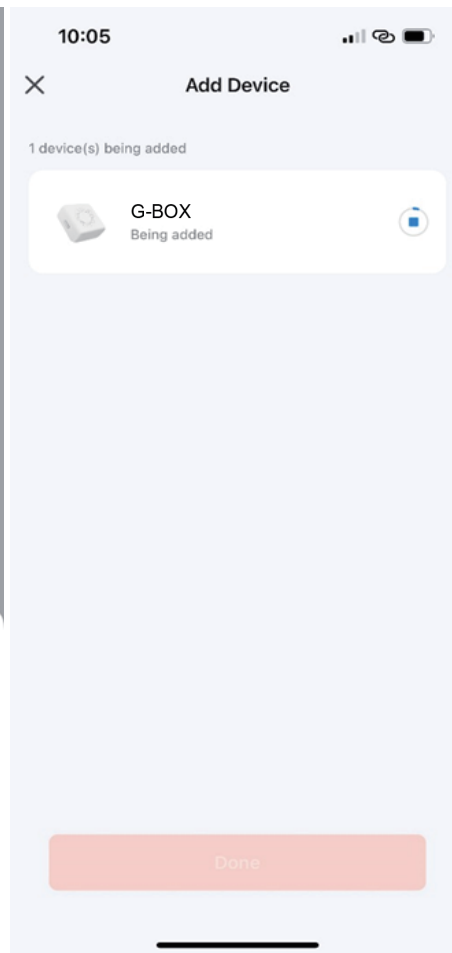
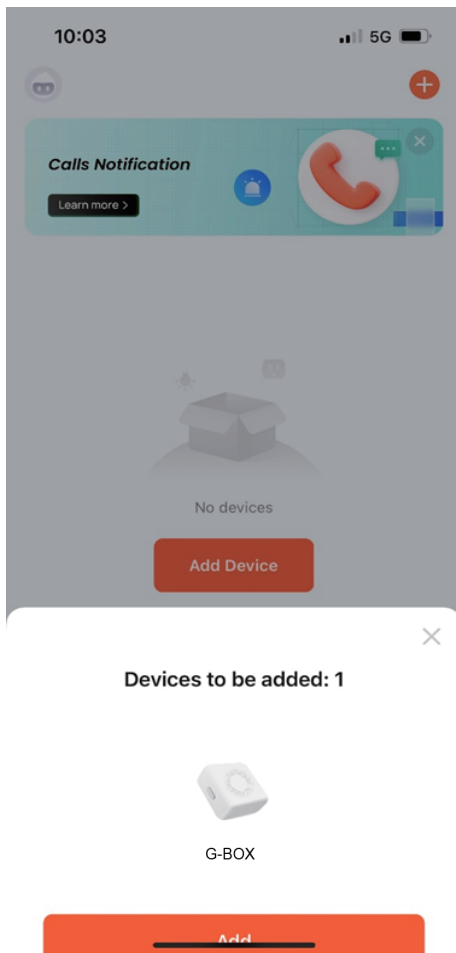


#### 3.1.2 Installation

The Android version of the APP requires Android 5 and newer.  
The iOS version/of the APP requires iOS10 and newer.

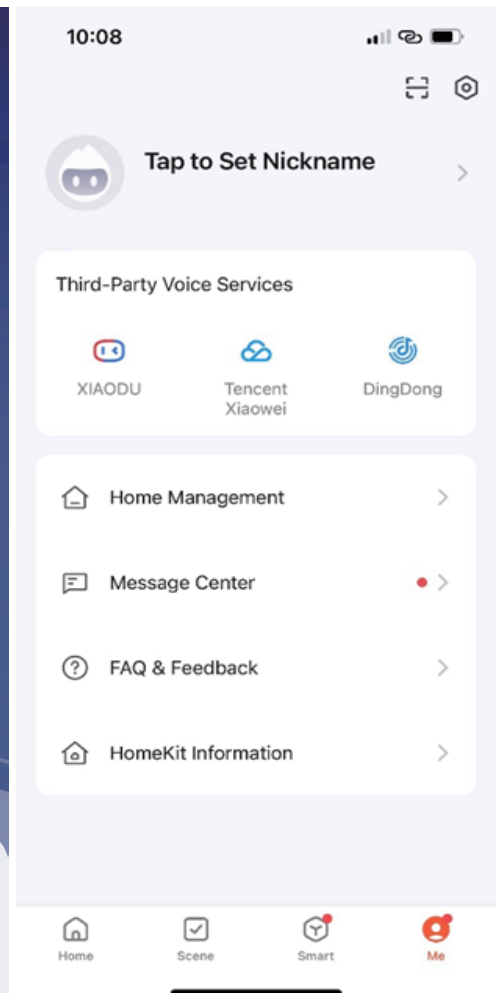
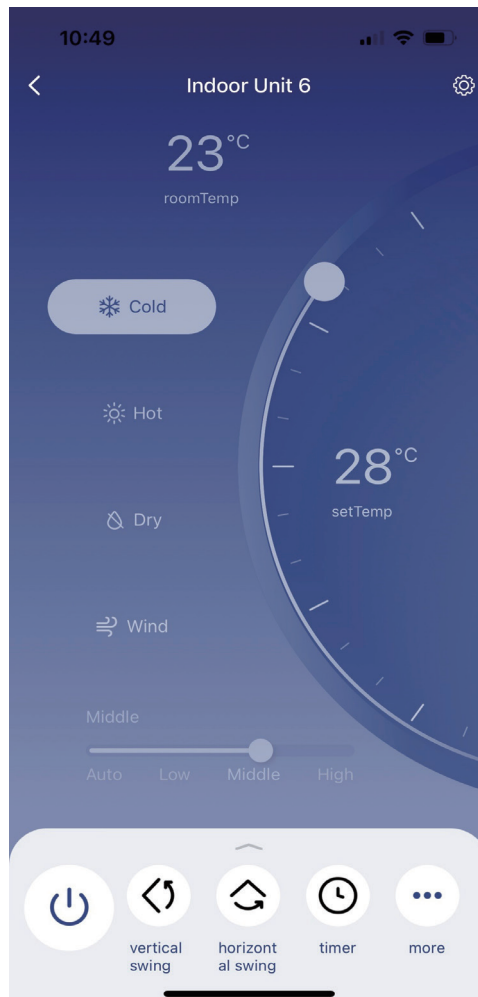
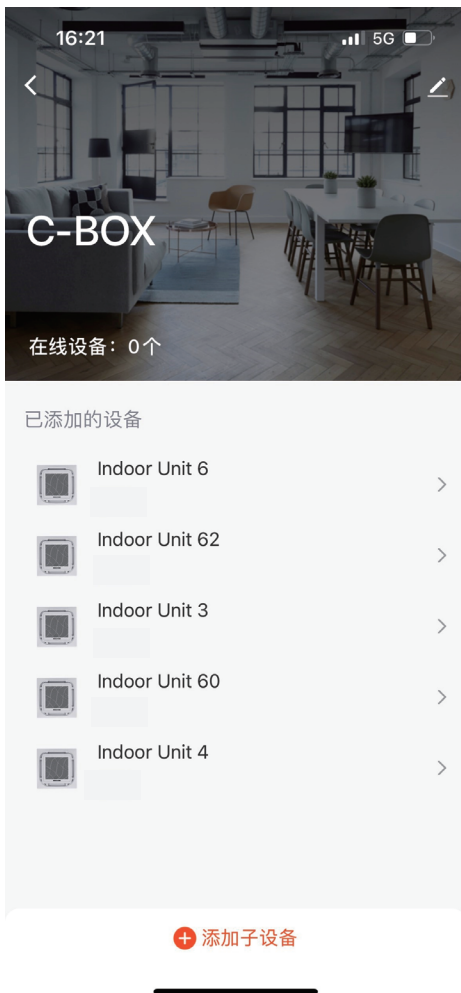
### 3.2 Gateway adding

1. Connect G-BOX correctly (Please refer to the “wiring guidance” to check whether the electrical wiring is corrected) to the central air-conditioning system;
2. Press the “Function” button of -BOX for 10s, and the network configuring mode is entered when the WIFI Indicator LED quickly flashes;
3. Connect the mobile to WIFI, and make sure that the mobile and the air-conditioning are under the same WIFI;
4. Click “+” or “Add Equipment” after entering the APP Home page. Then you can choose “Large Appliance” and “Air-conditioning (Bluetooth + WIFI)” in the “Manual Adding” page, or choose “Searching” to search equipment;
5. The sub-equipment information can be added after the gateway is added.



### 3.3 Basic functions

1. Click each equipment in the Home page to enter the corresponding Equipment Control interface;
2. Click on the upper right corner to view or change the equipment information;



## 3.4 Advanced function

### 1. Voice control:

In “Me” of the APP, click “Voice and Other Third-party Services” , select the corresponding intelligent voice service, and then you can watch the tutorial; or in the APP for the “Smart Voice Box” , search “Tuya Intelligence” , associate the Carrier account in the Tuya Intelligence with that of the Smart Voice Box, authorize the equipment association, and then you can control the equipment by voice;

### 2. Automatic control

You can manually create trigger adjustments for scenes as well as actions after triggering;

### 3. One-click execution

You can set one-click execution to control or manage equipment in a centralized manner;

### 4. Household management

Family members can manage and control the air-conditioning together.

## 3.5 Precautions

1. The network shall be reconfigured before deleting or adding an Indoor Unit in the VFR system, or the equipment control may fail.
2. The name of the Indoor Unit does not represent its address, and if you need to inquire its address, please click “Equipment Information” of the equipment.
3. The gray section in the Indoor Unit Data page are parameters for after-sales service personnel.