Jinvocloud UFO-R4Z

User Manual for Jinvocloud Tuya Smart Zigbee IR Remote Controller

Model: UFO-R4Z

1. INTRODUCTION

The Jinvocloud Tuya Smart Zigbee IR Remote Controller, model UFO-R4Z, is a universal infrared remote control hub designed to integrate traditional infrared-controlled home appliances into your smart home ecosystem. It allows for remote control, voice control, and scene linkage through the Tuya/Smart Life mobile application, compatible with Zigbee wired gateways.

This device supports a wide range of infrared appliances, including air conditioners, TVs, set-top boxes, fans, internet boxes, projectors, and stereos. It offers features such as DIY customized learning, remote control via mobile app, scene linkage with other smart devices, and voice control through Alexa and Google Assistant.

Figure 1.1: Front view of the Jinvocloud Tuya Smart Zigbee IR Remote Controller.

Smart infrared remote control converter

Works with **Tuya**

Works with **SmartLife**

zigbee

IFTTT ifthisthenthat

MQTT

IT'S INGENUITY THAT'S ALSO PERSISTENCE

EASY TO ENJOY LIFE

Attention please:
This product must be equipped with a wired gateway

Figure 1.2: The smart infrared remote control converter, highlighting compatibility with Tuya, SmartLife, Zigbee, IFTTT, and MQTT.

2. WHAT'S IN THE BOX

- 1 x Zigbee Smart IR Remote Controller
- 1 x USB Cable
- 1 x English User Manual

3. SETUP & INSTALLATION

Before proceeding, ensure you have a Zigbee wired gateway, as this product requires one for operation and does not support wireless Zigbee gateways. Connect your phone to a 2.4 GHz Wi-Fi network (5GHz Wi-Fi is

not supported) and ensure both your phone and the smart gateway are on the same network.

3.1 Powering On and Resetting

Connect the provided USB cable to the IR Remote Controller and a power source. The blue indicator light on the device should begin flashing. If the blue light does not flash, press and hold the reset button located on the bottom of the device until the blue light starts flashing. This indicates the device is in pairing mode.

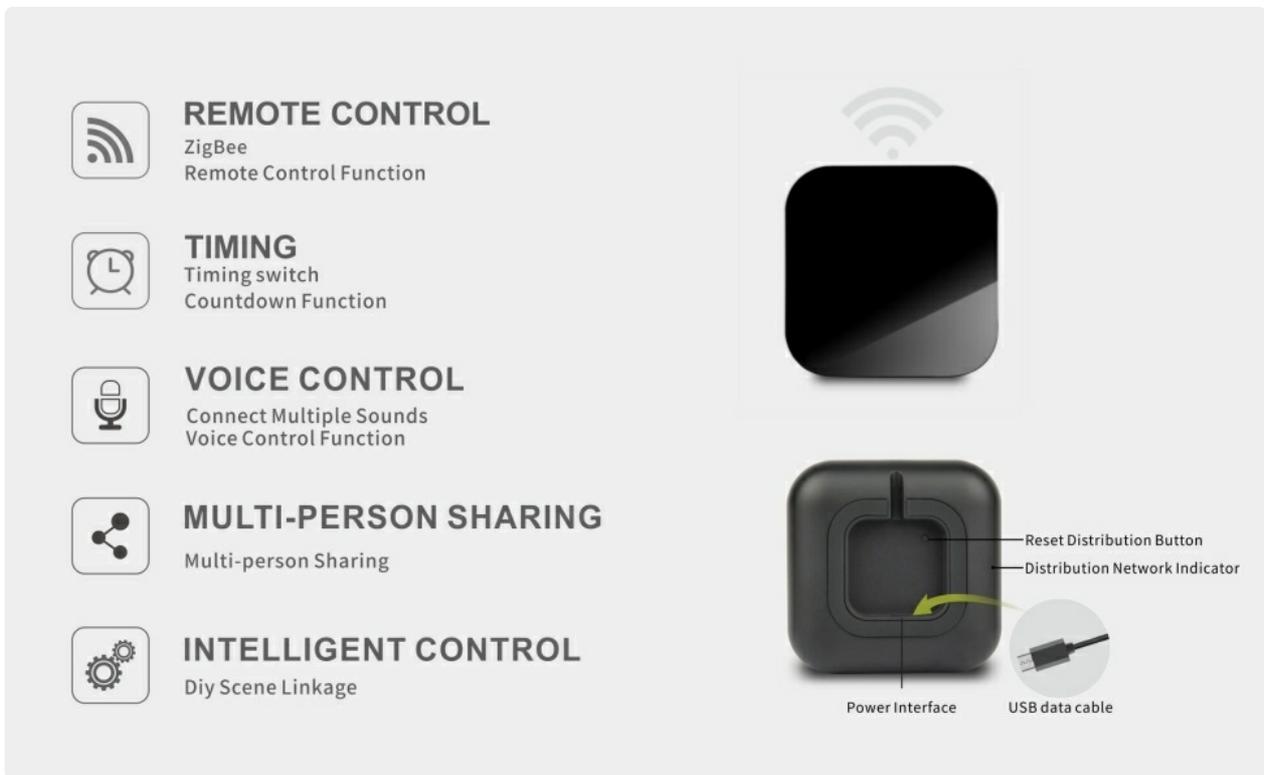Figure 3.1: Bottom view of the IR Remote Controller, showing the USB power interface and reset button.

Figure 3.2: Detailed view of the device's features, including the network indicator and reset button location.

3.2 Pairing with Smart Life APP

Follow these steps to pair your device with the Smart Life application:

1. Open the Smart Life APP on your smartphone.
2. Navigate to the Zigbee section within the app.
3. Click on 'Wired Gateway' to initiate the device search.
4. The app will discover nearby devices. Once the IR Remote Controller is found and successfully added, proceed to the next step.
5. After successful addition, you can find your appliance brand in the list provided by the app. Click on the brand to automatically match the remote codes.
6. Once matched, you can use the app to control your appliances.

Your browser does not support the video tag.

Video 3.1: Step-by-step guide on how to connect and pair the Zigbee infrared remote control with the Smart Life app.

4. OPERATING INSTRUCTIONS

4.1 Remote Control Devices

Control your home's infrared devices using the universal remote control feature within the Tuya/Smart Life mobile app. This includes air conditioners, TVs, set-top boxes, fans, internet boxes, projectors, and stereos.

Supports various household appliances

Figure 4.1: The remote controller supports various household appliances, including TV, Refrigerator, Washing Machine, DVD Player, Range Hood, IR LED Light, Fan, and Air Conditioning.

Figure 4.2: Control your air conditioner and other appliances remotely using the mobile application.

4.2 DIY Customized Learning

The device supports customized learning, allowing you to teach it commands from existing remote controls. This is useful for appliances without pre-matched remote control codes in the cloud database. Simply set the device to 'learn_ir_code' mode, press the desired button on your original remote, and the code will be learned and stored.

One is able to "fight" hundred

IR code base with enriched data: support 4000+ brand global code base, covering mainstream ones.
Adapted to TV, set-top box, AC, etc. common home electrical appliances and integrated to your mobile for one-hand control.

Figure 4.3: The IR code base is enriched with data, supporting over 4000 brand global codes, covering mainstream appliances and integrating control into your mobile device.

4.3 Voice Control

The controller is compatible with Amazon Alexa and Google Assistant, enabling voice commands for your infrared devices. For example, you can say "Alexa, turn on the TV" or "Google, open the set-top box."

Product parameter

Product Name	Universal IR Remote Control	Transmission Method	Zigbee
Power Supply	5V DC 1A (Micro USB)	IR Learning Frequency	38kHz
Standby Consumption	≤0.4W	IR Direction	Multi-directional
Working Temperature	0~50°C (32~122°F)	IR Control Distance	Horizontal direction ≤8m, opposite direction ≤15m (affected by the environment)
Working Humidity	85%RH (non-condensing)	IR Learning Distance	Opposite direction ≤3m, angle ±45° (affected by the environment)
Connection Protocol	Zigbee 802.15.4	Support Device	Android 4.0/ios 8.0 or later
Product Size	65×65×27.5mm	Product Net Weight	About 50g (battery not included)

Figure 4.4: Simplify control with voice commands through compatible smart speakers.

4.4 Scene Linkage & Automation

Utilize the scene and automation settings within the app to link the IR controller with other smart devices. For

instance, if a temperature sensor detects a high temperature, the air conditioner can be automatically turned on to cool the room.

Timing switch
Smart home scene linkage

Real-time, timer and remote control methods show its uniqueness
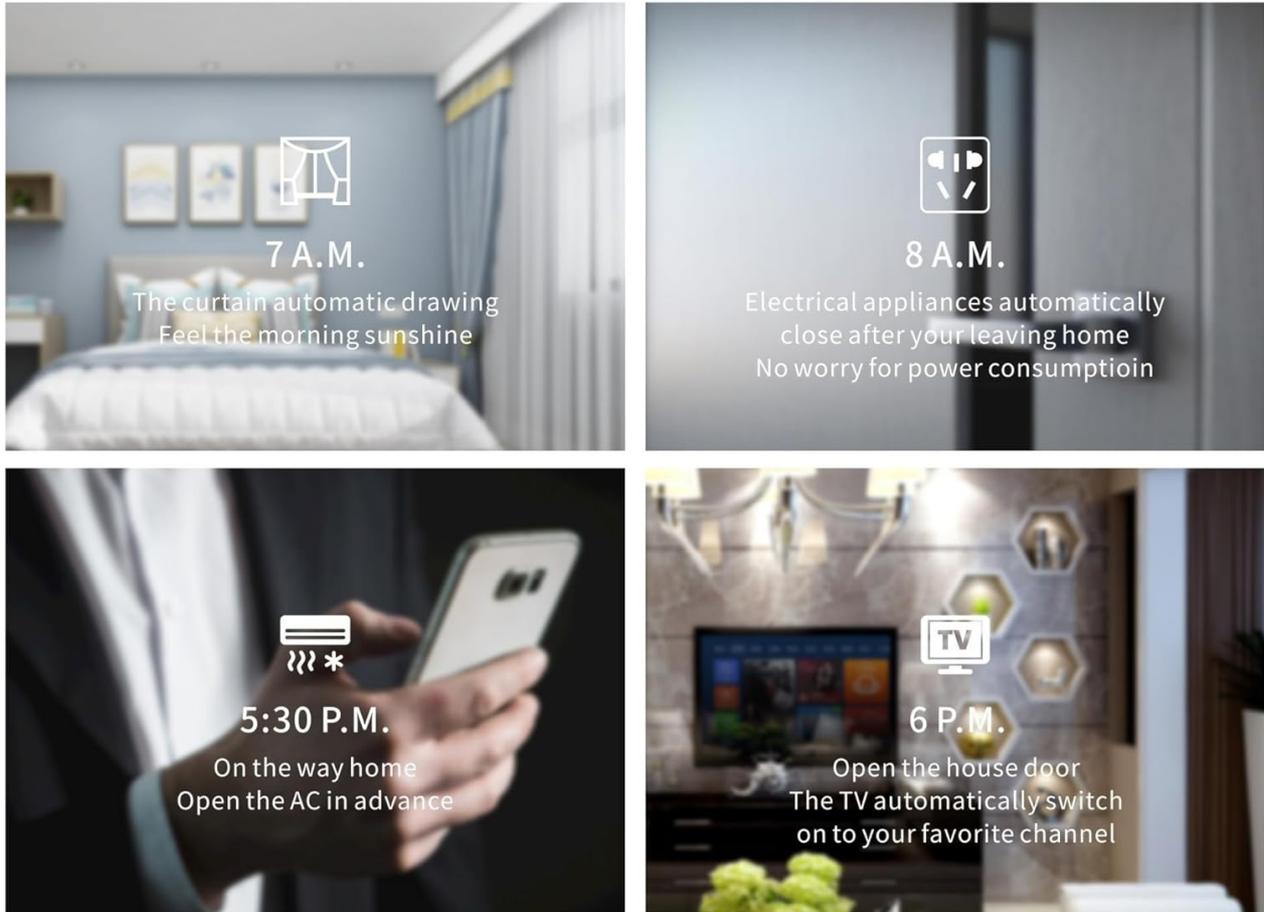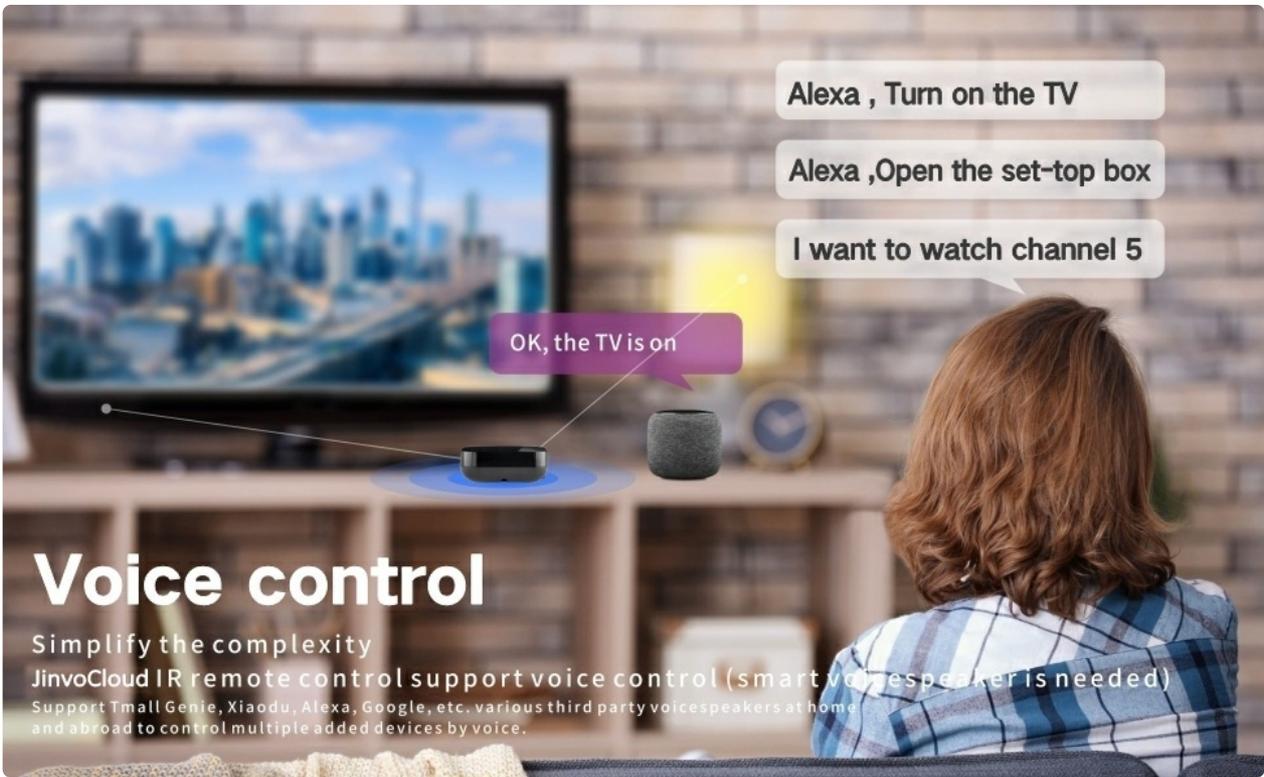Easy setting brings convenience to your life

7 A.M.
The curtain automatic drawing
Feel the morning sunshine

8 A.M.
Electrical appliances automatically
close after your leaving home
No worry for power consumptioin

5:30 P.M.
On the way home
Open the AC in advance

6 P.M.
Open the house door
The TV automatically switch
on to your favorite channel

Figure 4.5: Examples of smart home scene linkages for automated control.

4.5 Device Sharing & Group Control

Share control of your home's infrared devices with family members, allowing multiple users to manage smart appliances from their own devices.

Figure 4.6: Transform ordinary appliances into smart devices through seamless integration.

5. MAINTENANCE

To ensure optimal performance and longevity of your Jinvocloud Tuya Smart Zigbee IR Remote Controller, follow these general maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not drop or subject the device to strong impacts.
- Ensure the USB cable is properly connected and not damaged.

6. TROUBLESHOOTING

If you encounter issues with your IR Remote Controller, refer to the following common problems and solutions:

- **Blue Light Not Flashing:** If the blue indicator light is not flashing during setup, press and hold the reset button on the bottom of the device until it begins to flash. Ensure the device is properly powered via the USB cable.

- **Device Not Pairing:** Verify that your phone is connected to a 2.4 GHz Wi-Fi network and that both your phone and the Zigbee wired gateway are on the same network. Ensure the device is in pairing mode (blue light flashing).

- **Difficulty Learning IR Codes:** Ensure the original remote control is pointed directly at the IR Remote Controller during the learning process. Some users have reported that the battery cover can be difficult to open, which might be relevant if the device requires internal access for certain resets or if it had a battery variant.

- **Slow or Unreliable Command Transmission:** While the device is designed for efficient IR transmission, external factors or network congestion can sometimes affect performance. Ensure the device has a clear line of sight to the appliances it controls. If using with Home Assistant via Z2M, some users have noted slower transmission speeds compared to Wi-Fi IR blasters.

- **Device Not Reconnecting After Power Outage:** In some cases, the device may not automatically reconnect to the Zigbee network after a power interruption. If this occurs, you may need to re-pair the device with your Zigbee gateway.

7. SPECIFICATIONS

Below are the technical specifications for the Jinvocloud Tuya Smart Zigbee IR Remote Controller (UFO-R4Z):

Figure 7.1: Detailed product parameter table.

Feature	Specification
Product Name	Universal IR Remote Control
Power Supply	5V DC 1A (Micro USB)
Standby Consumption	≤0.4W
Working Temperature	0–50°C (32–122°F)
Working Humidity	85%RH (non-condensing)
Connection Protocol	Zigbee 802.15.4
Product Size	65 × 65 × 27.5mm (2.56 x 2.56 x 1.08 inches)
Transmission Method	Zigbee
IR Learning Frequency	38KHz
IR Direction	Multi-directional
IR Control Distance	Horizontal direction ≤8m, opposite direction ≤15m (affected by the environment)
IR Learning Distance	Opposite direction ≤3m, angle ±45° (affected by the environment)
Support Device	Android 4.0/iOS 8.0 or later
Product Net Weight	About 50g (battery not included)

Feature	Specification
Max Number of Supported Devices	15
Compatible Devices	Set Top Box, Television, Air Conditioner, Fan, Projector, Stereo, etc.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the seller, Tuya Cloud Smart, directly. You can also visit the Jinvocloud brand store on Amazon for additional resources and contact information.

Manufacturer: Shenzhen Tuya Cloud Technology Co.,Ltd.