AC201-A ZigBee Split AC Control

Quick Start Guide

1 Welcome
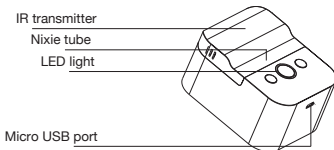
Meet your Split AC Control.

The Split A/C control AC201-A converts the home automation gateway's ZigBee signal into an IR command so as to control the air conditioner, TV, Fan or other IR device in your home area network. It has pre-installed IR codes used for main-stream split air conditioners and offers study functionality use for other IR devices.

This guide will provide you with an overview of the product and help you get through the initial setup to installation.
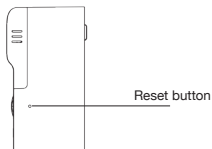
2 Get to know your device

IR transmitter
Nixie tube
LED light

Micro USB port

Reset Button
• **Restart.** Press the reset button once to restart the device.
• **Reset.** Press and hold the reset button for about ten seconds until the Nixie tube displays "rst" to reset the device to default factory setting.

Reset button

• **LED light**
The LED status gives the following information:

LED status	What it means
Orange	Device has joined the ZigBee network.
Red	Device has not joined the ZigBee network.

3 Get Started
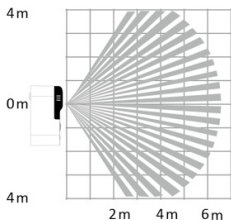
3.1 To get started, you will need:
A ZigBee Gateway.
A mobile phone with the mobile App installed.
A remote control.

3.2 Connect to the gateway's network
1. Set your gateway to permit joining.
2. Plug in your split AC control, facing your IR device that you would like to pair. See the diagram below to guide you in selecting a suitable position in the range of the grey bars.

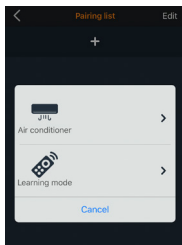3.Waiting for the LED indicator light up in red, reset it if not.

4. The split AC control will join the gateway automatically, the LED indicator will turn orange when joining is successful.

3.3 Pairing

1.Select your gateway that paired with AC201A on your mobile App.

2.Go to "Comfort" page at the bottom of the App to select the AC201-A, then it will turn to "Pairing list".

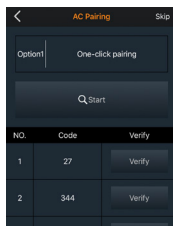3. Tap "+" to get ready to pair to IR device.

You can select "Air conditioner" to pair AC quickly with one-click pairing, or use "Learning Mode" to learn button function.
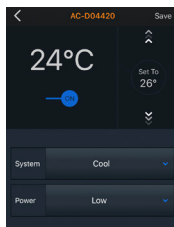
• Air conditioner

one-click pairing

1.Tap "Start" on the App, then Nixie tube displays "L--" to get ready to pair.

2.Point your remote control close to the IR transmitter of AC201A then press the On/Off on your remote control.

3.Nixie tube will displays "L-S" when pairing is successful, then select one code to verify. (It displays "L-F" when failed, you can try it again.)
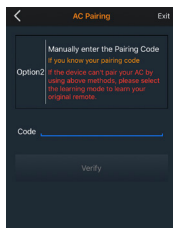

4.Verify buttons on your App to control your AC.

5.Your AC respond with a sound "Beep", it means the code is matched(If not, you can verify other code in sequence)

6.Tap "save" , then you can control AC by your phone later. And it supports up to 5 air conditioners to pair.

Manually enter the Pairing Code

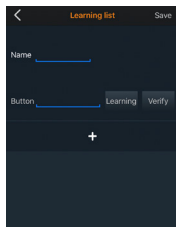1.If you know your pairing code, tap "skip" to enter the Pairing Code manually.

2.Tap "Verify" to control your AC, if your AC response with a sound "Beep", it means the code is matched.Save it, you can control AC by your phone later.(If not, you can following the **Learning Mode** to learn your remote control)

• **Learning Mode**

1.Tap "Learning", then Nixie tube will display "L" to get ready to learn.

2.Point your remote control close to the IR transmitter of AC201A, then press the button you want to learn.

Note: It can also learn AC remote control.The whole status of your AC (temperature, fan, system, power) will be learnt by press any of button on your remote control except the Off button.

3."Verify" will light up when learn successfully.

4.Tap "Verify" to sent command to control your IR device.(If failed, try to adjust the position of your AC201A,or learn it over again)

5.You can tap "+" to learn other four functions.

6.When learning finished, enter learning group name and button name to save it.

7.It supports up to 5 IR devices learning.

4 FAQ

1. How many devices I can pair?

-Split A/C pairing mode: it supports up to 5 air conditioners;

-Learning mode: it supports up to 5 IR devices learning, each device supports learning with five button functions;

2. What if failed in pairing or learning?

With this situation, there are few things you can try

-Try to make IR transmitter of remote control to get close and face the IR transmitter of AC201A, then pairing or learning.

-Remove the battery in your remote control, then wait 3 seconds and install the battery to try and learn.

5 **Technical Specifications**

Wireless connectivity	• ZigBee 2.4 GHz IEEE 802.15.4 • IR
RF Characteristics	• Operating frequency: 2.4 GHz • Internal PCB Antenna • Range outdoor/indoor: 100m/30m • TX Power: 6~7mW (+8dBm) • Receiver sensitivity: -102dBm
ZigBee Profile	• Home Automation Profile
IR	• Infrared emission and receiving • Angle: 120° angle covering • Working Temperature: -10-55°C • Working Humidity: up to 90% non-condensing • Carrier Frequency: 15kHz-85kHz
Temperature Sensor	• Measuring Range: -10-85°C
Power Supply	• Direct plug-in: AC 100-240V (50-60 Hz) • Rated power consumption: 1W
Dimensions	• 66.5 (L) x 85 (W) x 43 (H) mm
Weight	• 116 g
Mounting Type	• Direct Plug-in • Plug Type: US, AU, EU, UK

6 Safety Handling

> **WARNING:** Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the Split AC Control and other property. Read all the safety notices below before using the Split AC Control.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.