

AC201 IR Blaster

Quick Start Guide

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.
- Do not use harsh chemicals or strong detergents to clean it.
- Do not place it where infants and young children can touch, children should use under parental supervision.
- Do not touch it when powering on to ensure your safety.
- Indoor use only.

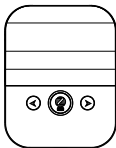
Technical Specifications

Wireless connectivity	• ZigBee 2.4 GHz IEEE 802.15.4 • IR
RF Characteristics	• Operating frequency: 2.4 GHz • Internal PCB Antenna • Range outdoor: 100m (Open area) • TX Power: 6~7mW (+3dBm) • Receiver sensitivity: -102dBm
ZigBee Profile	• ZigBee HA1.2
IR	• Infrared emission and receiving • Angle: 120° all-angle covering • Working Temperature: 0-70° C • 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: 4W
Dimensions	• 66.5 (L) x 85 (W) x 43 (H) mm
Weight	• 116 g
Mounting Type	• Direct Plug-in • Plug Type: US,EU, UK

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Welcome

Meet your Split AC Control.

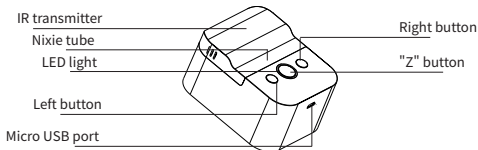


The Split A/C control AC201 converts the home automation gateway's ZigBee signal into an IR command so as to control the air conditioner in your home area network. It has pre-installed IR codes used for main-stream split air conditioners and offers study functionality use for unknown brand A/C devices.

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

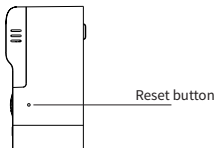
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Get to know your device



LED light

Device status. Orange LED light means the device has joined the ZigBee network while red means it has not.

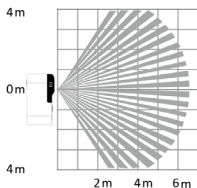


Reset Button

- **Restart.** Press the reset button 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.

Position

Insert the AC201 Split AC Control into a power socket facing your air conditioner that you would like to connect to. See the diagram below to guide you in selecting a suitable position in the range of the grey bars.



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Get Started

3.1 To get started, you will need:

A ZigBee Gateway.

A mobile phone with a mobile App installed.

3.2 Connect to the gateway's network

1. Set your gateway to permit joining.
2. Make sure the LED indicator is red, reset it if not.
3. The split AC control will join the gateway automatically, the LED indicator will become orange when successfully joined.

3.3 Pair AC201 with Air Conditioner using the mobile App

1. Go to "Comfort" page of the mobile App.
2. Tap "Pair" to the right of the AC icon.



3. Choose one of the three options displayed on the pairing interface and follow the on-screen instructions to complete the pairing process.
4. Verify the pairing result by tapping the "verify", save the result if AC201 works properly with your AC conditioner.

Note: In a case where you can only control the on/off button and unable to set the target temperature and other functions, return to the scan interface and tap continue.

To manually configure AC201, see the first question in FAQ section.

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FAQ

1. How to manually configure AC201?

There are two methods to pair AC201 with your air conditioner manually.

Note: In a case where you can only control the on/off button and unable to set the target temperature and other functions, you have to exit and retry by choosing another pairing code.

Method 1: Use ALL pairing code

1. Press and hold the Left and Right buttons for about five seconds until the Nixie tube displays "ALL" to enter search ALL pairing codes mode.
2. Press the "Z" button to search through all the pairing codes. The air conditioner will respond (e.g. beep) when it goes to the right pairing code. Press the "Z" Button immediately to stop searching. (If you are too late to press the "Z" Button, you can press the left button to go to the previous code.)
3. Press and hold the "Z" Button for about three seconds until the pairing code disappears to save the current pairing code and exit the pairing process.
4. Use mobile app to check if the air conditioner works properly. If you can only control the On/Off status from your mobile APP. Repeat steps 1 and 2 to select a different code.

Method 2: Study Mode Pairing

1. Use your air conditioner remote control to set your desired temperature and turn the remote control off.
2. Hold the "Z" button for three seconds until the Nixie tube displays

'L1' to enter your AC201 into Study mode.

3. Put your remote's IR transistor close and against the AC201's IR transistor (within 2cm) and turn on your remote control.
4. If AC201 learns your remote's settings successfully, the Nixie tubes will display L-S, otherwise it will display L-F. (Repeat steps 1 to 3 if L-F is displayed.)

Study mode pairing only allows you to turn on the air conditioner. It is recommended to study the "Off" command of the remote control in order to turn off the air conditioner. To do that, you'll need to:

1. Turn on your remote control.
2. Enter the Study Mode of AC201 and use the left or the right button to select L-2 for "Off" command.
3. Put your remote's IR transmitter against the AC201's IR transistor, then turn off your remote control.
4. If AC201 learns successfully, the Nixie tube displays L-S, otherwise it displays L-F. If L-F is displayed, repeat steps 1 to 3.