Installation Guide



DC1101Z

Zigbee + RF On/Off Receiver

For compatible wireless kinetic switches.

Technical parameters

Input / output	8–36 V DC
Rated current	5 A
Wireless protocols	433 MHz RF (ASK) 2.4 GHz Zigbee
Pairing capacity	Up to 10 different kinetic switches
External switch	Voltage-free contacts Maintained or momentary
Dimensions	44 × 44 × 22 mm
Operating temperature	−10 to +55 °C

For compatible wireless kinetic switches.

1. Installation and connections

IMPORTANT: DC SUPPLY ONLY

Use an 8-36 V DC supply. Never connect this receiver to AC mains. Disconnect the DC supply before making or changing connections. Use a load rated for the connected DC voltage. Do not exceed 5 A. Check the input and output polarity before applying power.

Terminal order (front view):



VIN+ / VIN-	DC supply positive / negative.
OUT+ / OUT-	Load positive / negative.
S1 / S2	Connect the external switch across S1 and S2.

S1/S2: voltage-free contacts only.
No mains or external voltage on S1/S2.
Multi-location wiring: see pages 4 and 5.

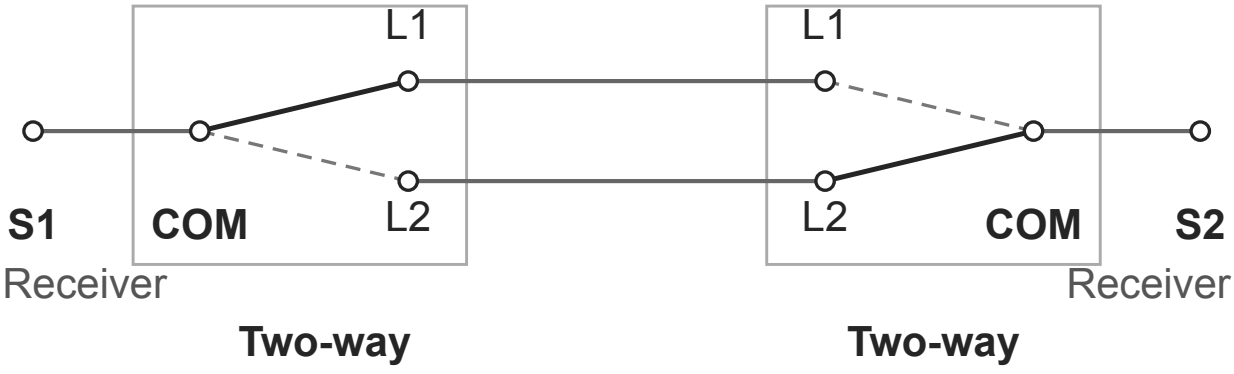
2. Multi-location wiring - Europe

S1/S2: voltage-free contacts only.
No mains or external voltage.

Functional diagram; terminal layout varies. Supply: page 3.

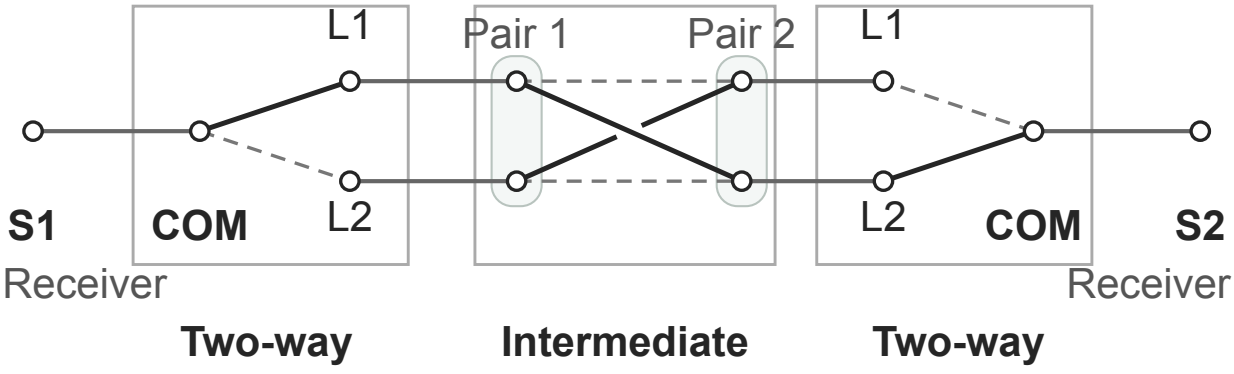
A. Two-way switching

Control from two locations



B. Intermediate switching

Control from three locations



COM = common contact (may be marked C).
Solid/dashed: alternative internal contact positions.
Use voltage-free contacts only; no external supply.

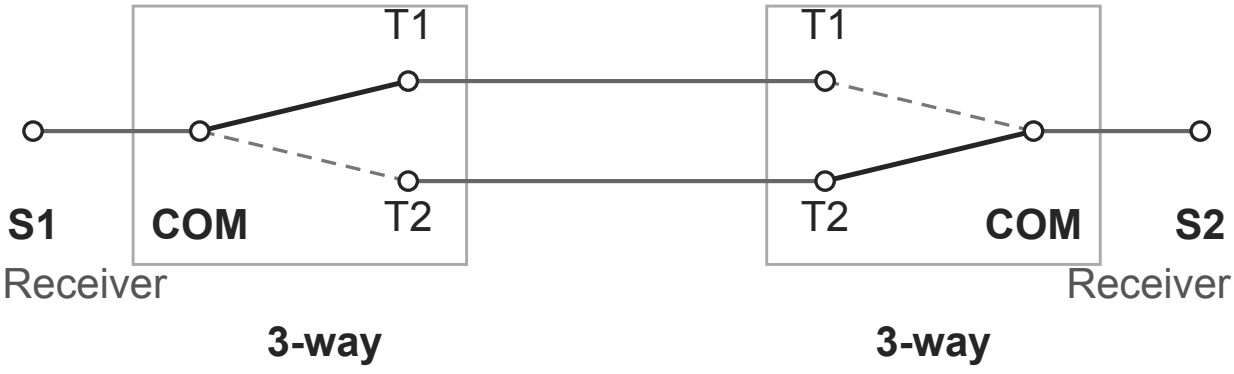
3. Multi-location wiring - US

S1/S2: voltage-free contacts only.
No mains or external voltage.

Functional diagram; terminal layout varies. Supply: page 3.

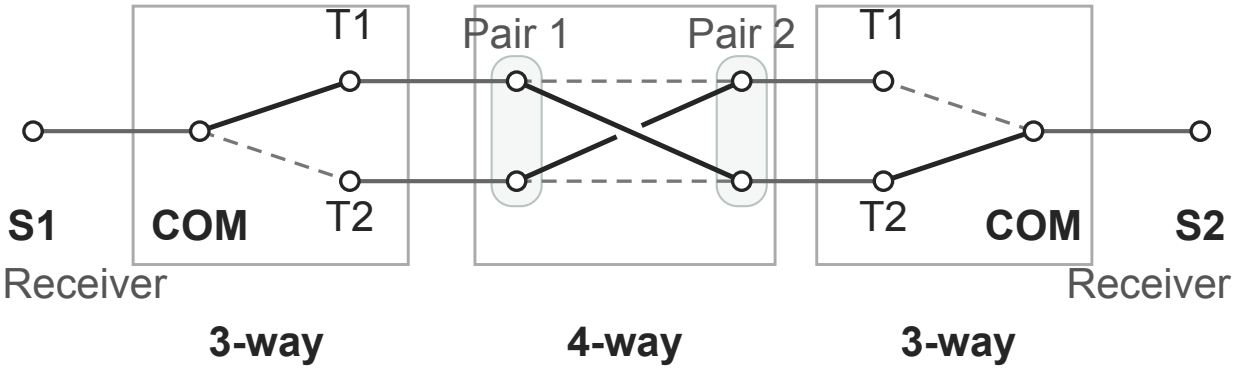
A. 3-way switching

Control from two locations



B. 4-way switching

Control from three locations



COM = common; T1/T2 = travelers (diagram labels).
Solid/dashed: alternative internal contact positions.
Use voltage-free contacts only; no external supply.

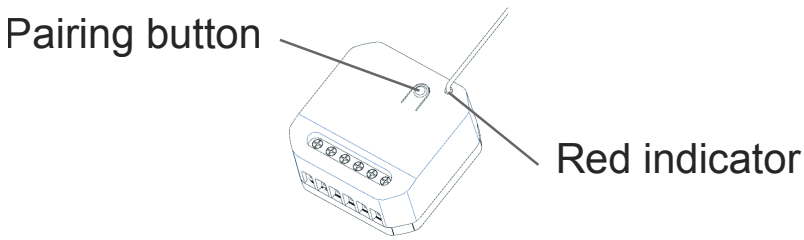
4. Pairing and operation

With the receiver powered from its DC supply, hold the pairing button for about 3 seconds. Release it when the red indicator lights up, then press one key of a compatible wireless switch once. Avoid rapid repeated presses. The red indicator goes out when pairing succeeds. The wireless switch can then control the receiver.

Pairing steps

1. Connect the receiver to the DC supply.
2. Hold the pairing button for about 3 seconds.
3. Release the button when the red indicator lights up.
4. Press one wireless switch key once.
5. Check that the indicator goes out, then test the switch.

Note: If no wireless key is paired within 60 seconds, the receiver exits pairing mode and the red indicator goes out.



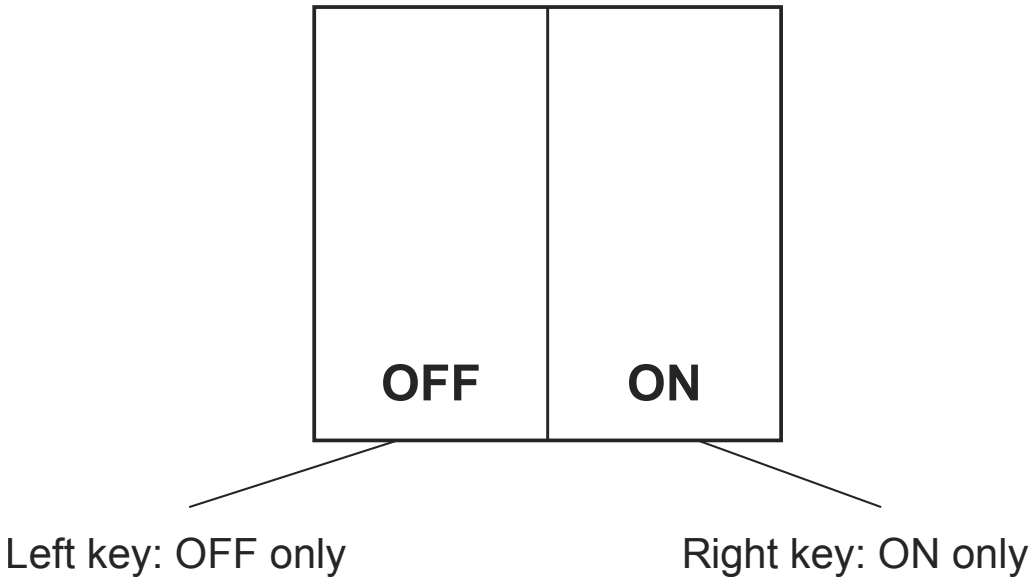
5. Optional directional pairing

For 2-gang switches only; normal pairing is supported.

When one switch controls several receivers, a missed signal can leave lights in different states. A short press of the left key sends OFF; the right key sends ON.

To pair, follow steps 1 to 3 on page 6, then press the same key 3 times within 1 second. The red indicator goes out when pairing succeeds.

Key functions in directional mode



Repeat the OFF or ON command if any lights remain out of sync.

6. Clearing and troubleshooting

Clear all paired switches

Press and hold the pairing button for about 6 seconds. Release it when the red indicator changes from on to off. The red indicator flashes 3 times to confirm that the paired switches have been cleared.

Pair the required wireless switch keys again after clearing.

Troubleshooting

No wireless response

Check the DC supply and polarity, then check whether the wireless switch key has been paired.

Pairing does not complete

Repeat the pairing sequence. Press the wireless key once while the red indicator is on.

Load does not switch

Disconnect the supply. Check the output connections and the load voltage and current requirements.

7. Connect to Zigbee

Download Smart Life from the App Store or Google Play, or scan the QR code below.

Open Smart Life. Create an account, or sign in with your existing account.

Smart Life app

A Zigbee gateway is required.

Add the gateway to Smart Life first. Follow the gateway instructions for connection details.

8. Enter Zigbee pairing mode

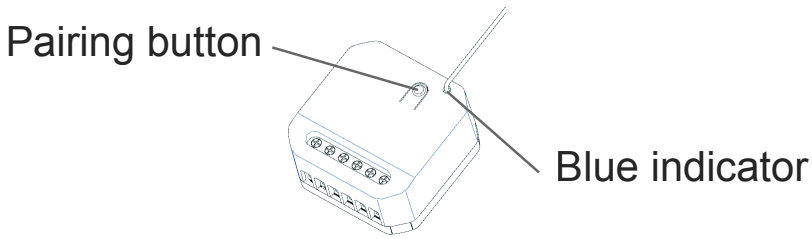
1. Connect the receiver to its DC supply.

2. Hold the pairing button for about 9 seconds.

3. Release it when the blue indicator flashes rapidly.

4. In Smart Life, open your gateway. Select Zigbee devices list and tap Add devices to search for the receiver.

5. When pairing is complete, the receiver appears in the app.



Troubleshooting

Gateway not shown?

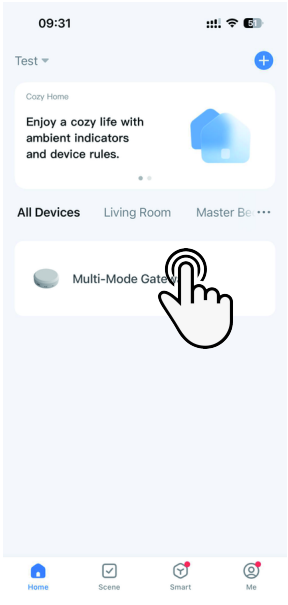
Add a Zigbee gateway to Smart Life first. Follow the gateway instructions for setup.

Receiver not found?

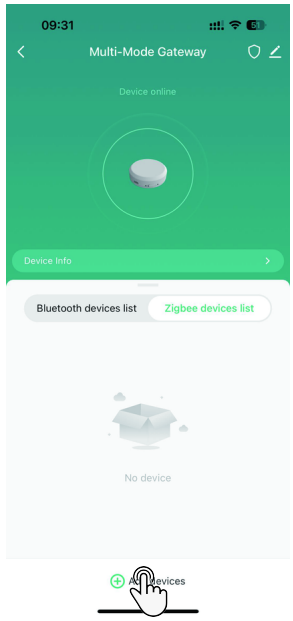
Repeat steps 2–3 to enter pairing mode, then search again.

9. Add the Zigbee receiver

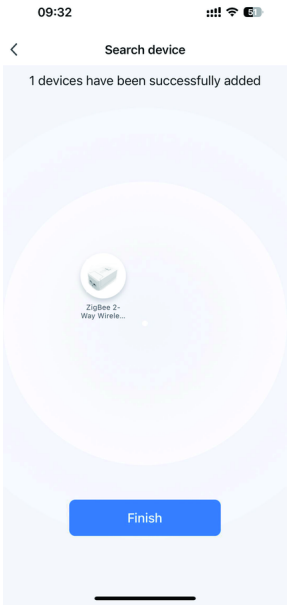
1. Add the gateway



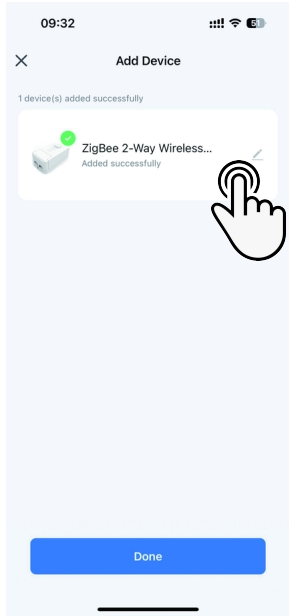
2. Tap Add devices



3. Search for the receiver



4. Added successfully



App screenshots are examples.

10. Alexa and Google Home

Scan the relevant QR code below for the setup tutorial.

Alexa tutorial

Google Home tutorial