akubela

Aura Series Multi-Gang Panel

Installation Guide

Smarter Home
Sweeter Life

Welcome!

This guide explains how to install the following Aura Series panels in combination :

- KNX Multi-function Panel
  - K32-M-EU-Unit
- KNX Button Panel
  - K32-B4-EU-Unit
- Socket Panel
  - K32-SEU-Unit
  - K32-SUK-Unit

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Safety Warnings

- The installation involves handing high voltage wiring. To avoid serious serious personal injury, death, or property damage, turn OFF the power before proceeding, and follow all safety precautions.
- Working with electricity can be dangerous. If you are unsure about, or uncomfortable with the installation, seek the help of a qualified electrican.
- Keep the device and all accessories out of the reach of children. Small parts may be a choking hazard to them.

In the Box



M2×5mm Machine Screw **x4N**



M4x20mm Phillips
Machine Screw **x2L**



Removal Tool **x1**

TIP:

The number of screws provided depends on your chosen panels :

- N = Total number of KNX button and KNX multi-function panels
- L = Total number of socket panels

Example:

For a 3-gang combination (2 KNX panels+ 1 socket panel):

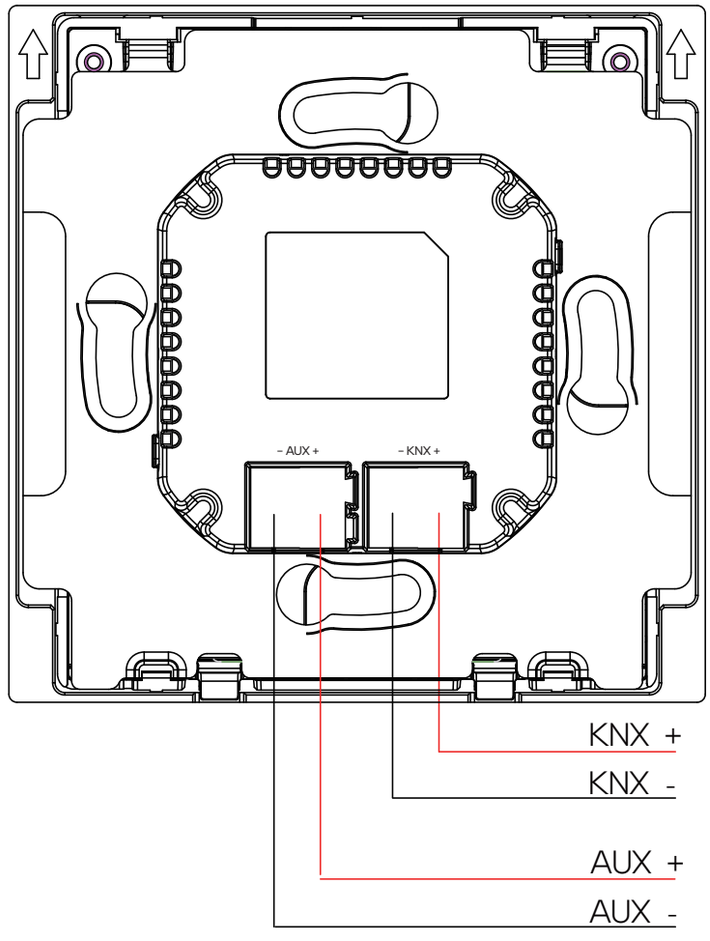
- N = 2 → 8 M2×5 screws provided (4 per panel × 2 panels)
- L = 1 → 2 M4×20 screws provided (2 per panel × 1 panel)

Power Supply Requirements

Panel	Model	Power Requirement
KNX Multi-function Panel	K32-M-EU-Unit	**KNX Bus:** 21~30V DC, 2mA/21V (rated)
		Auxiliary Power Supply: 21~30V DC, 100mA/24V or 80mA/30V (rated)
KNX Button Panel	K32-B4-EU-Unit	21~30V DC, min. 12mA
Socket Panel	K32-SEU-Unit	100~260VAC, 50/60Hz, 16A
	K32-SUK-Unit	100~260VAC, 50/60Hz, 13A

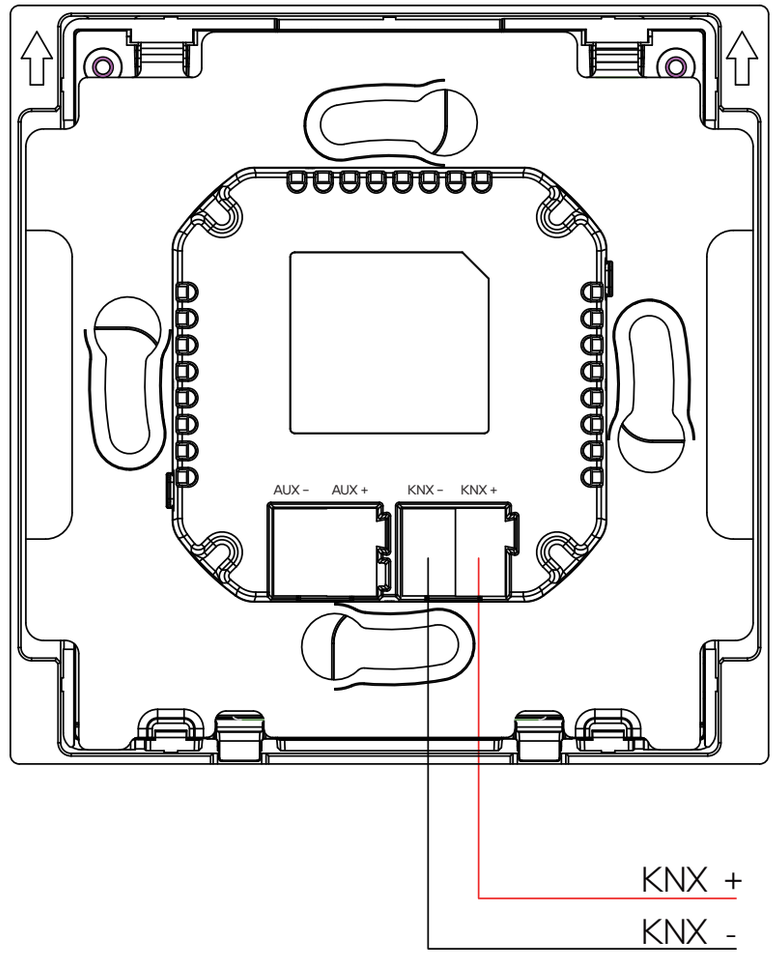
Wiring

KNX Multi-function Panel



- Connect KNX+ and KNX- to the KNX bus.
- Connect AUX+ and AUX- to the auxiliary power supply.

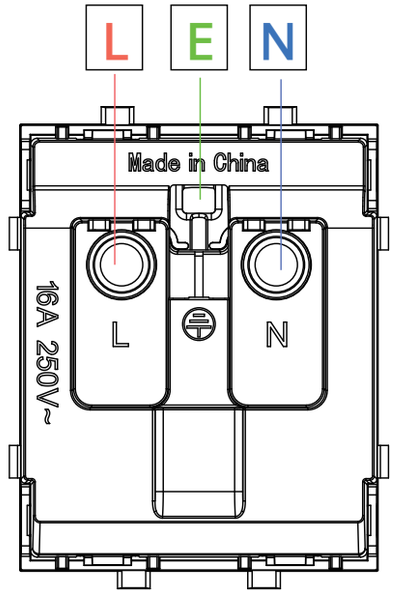
KNX Button Panel



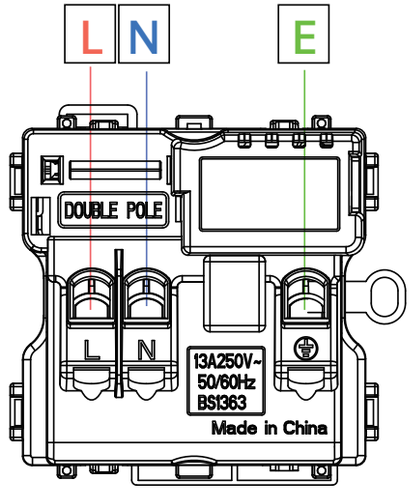
- Connect KNX+ and KNX– to the KNX bus.

Socket Panel

K32-SEU-Unit



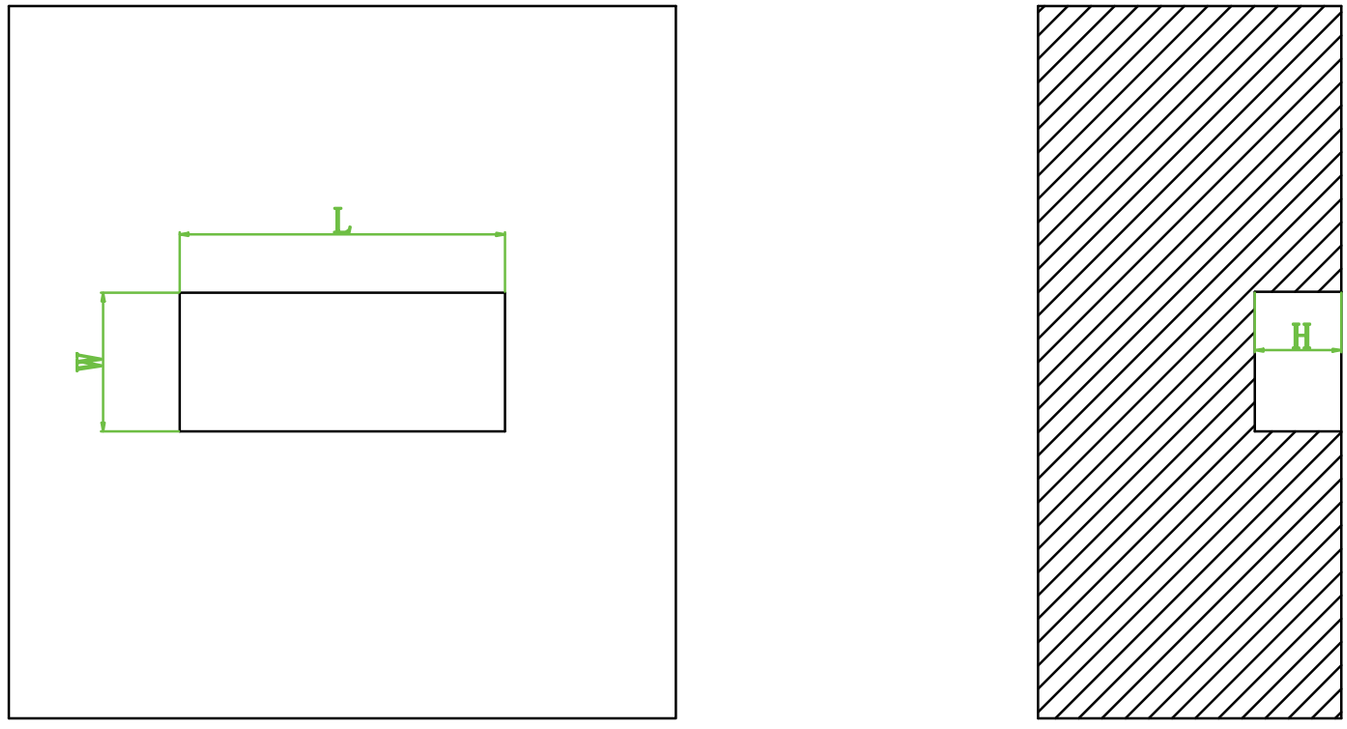
K32-SUK-Unit



- L(Live): Connect to the live wire.
- N(Neutral): Connect to the netural wire.
- E(Earth): Connect to the earth wire for protection against electric shock.

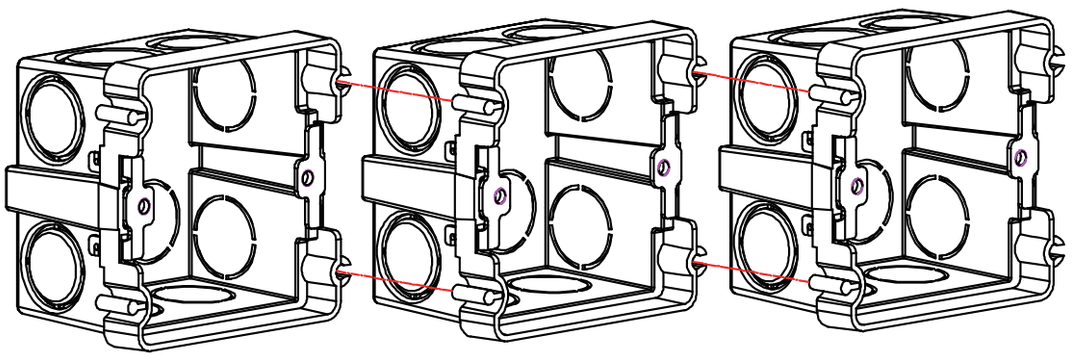
Electrical Box Installation

① Cut a Wall Opening



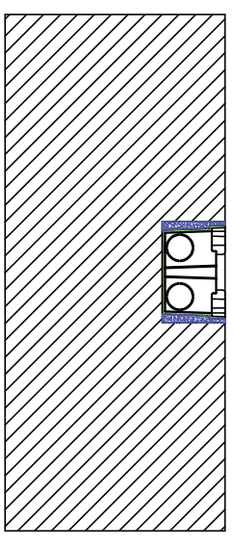
- Cut an opening in the wall based on the number of panels to be combined:
  - 1 panel: 85mm(L) × 80mm(w) × 50mm(D)
  - 2 panels: 160mm(L) × 80mm(w) × 50mm(D)
  - 3 panels: 240mm(L) × 80mm(w) × 50mm(D)

2 Combine Electrical Boxes



- Join the electrical boxes together to match the selected panel combination.

3 Secure Electrical Boxes



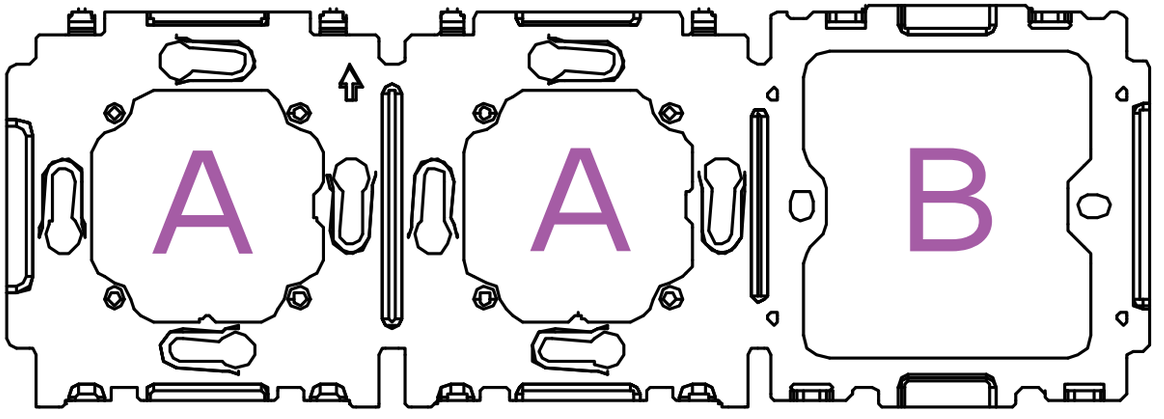
- Feed the cables from the wall into the boxes.
- Fill the gaps between the boxes and the wall with cement to secure them in place.

Panel Installation

Warning!

Turn OFF the power before installing the panels.

1 Check Mounting Plate Compatibility

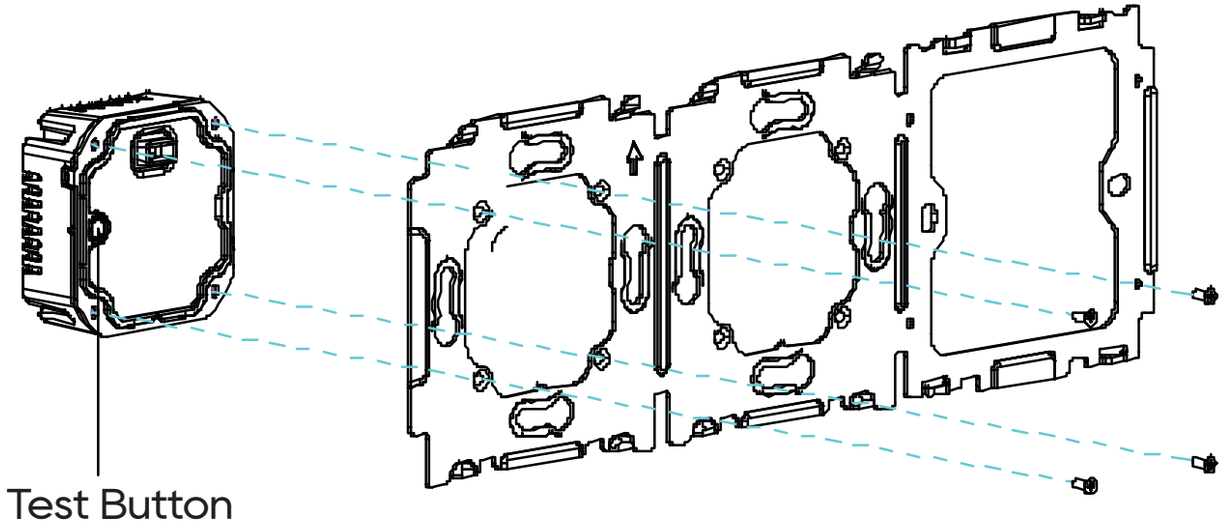


- Verify the correct installation area on the mounting plate:
  - Module A area: For KNX muli-function and button panels
  - Module B area: For socket panels

NOTE:

The number and arrangement of Modules A and B on the mounting plate dependon your selected panel combination. Always confirm that your chosen panels align with the correct module ares before proceeding.

2 Attach Power Bases



- Check that the power base matches the panel type by test button color:
  - White: KNX button panel
  - Orange: KNX multi-function panels

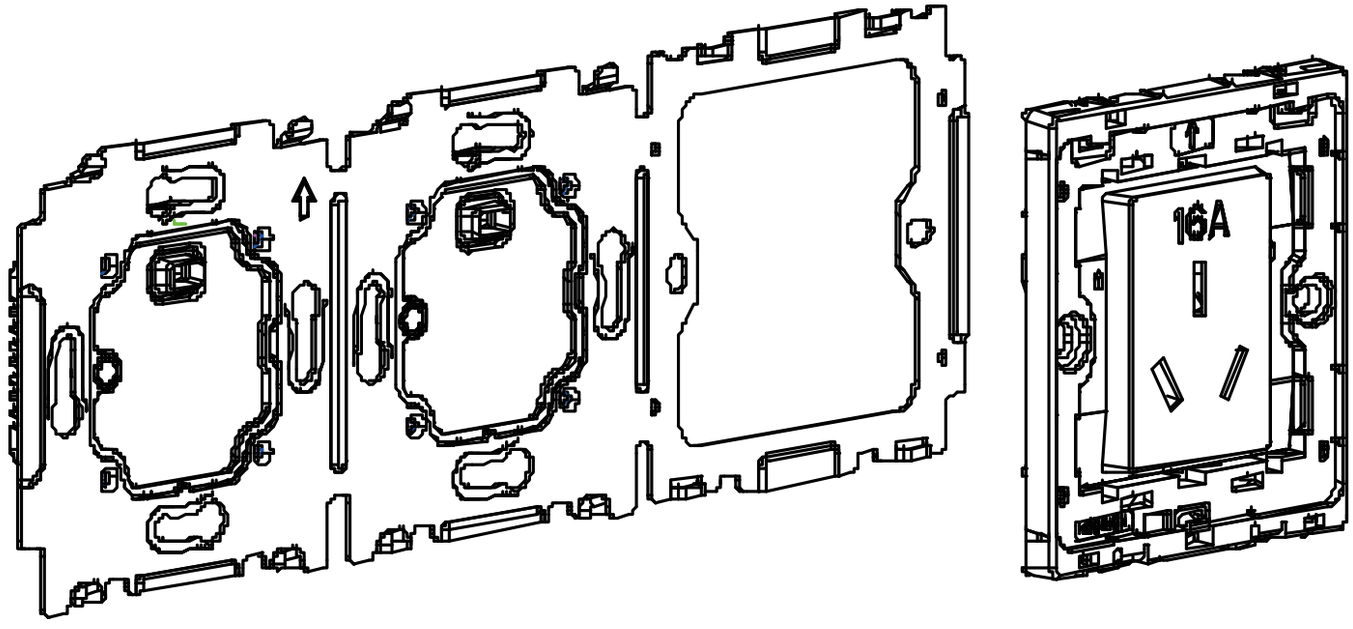
TIP:

Basides the test button color, multi-function panels have yellow+white and black+red terminals, while button panels have only black+red terminals.

- Use four M2×5 screws to fix each power base onto corresponding module A area on the mounting plate.

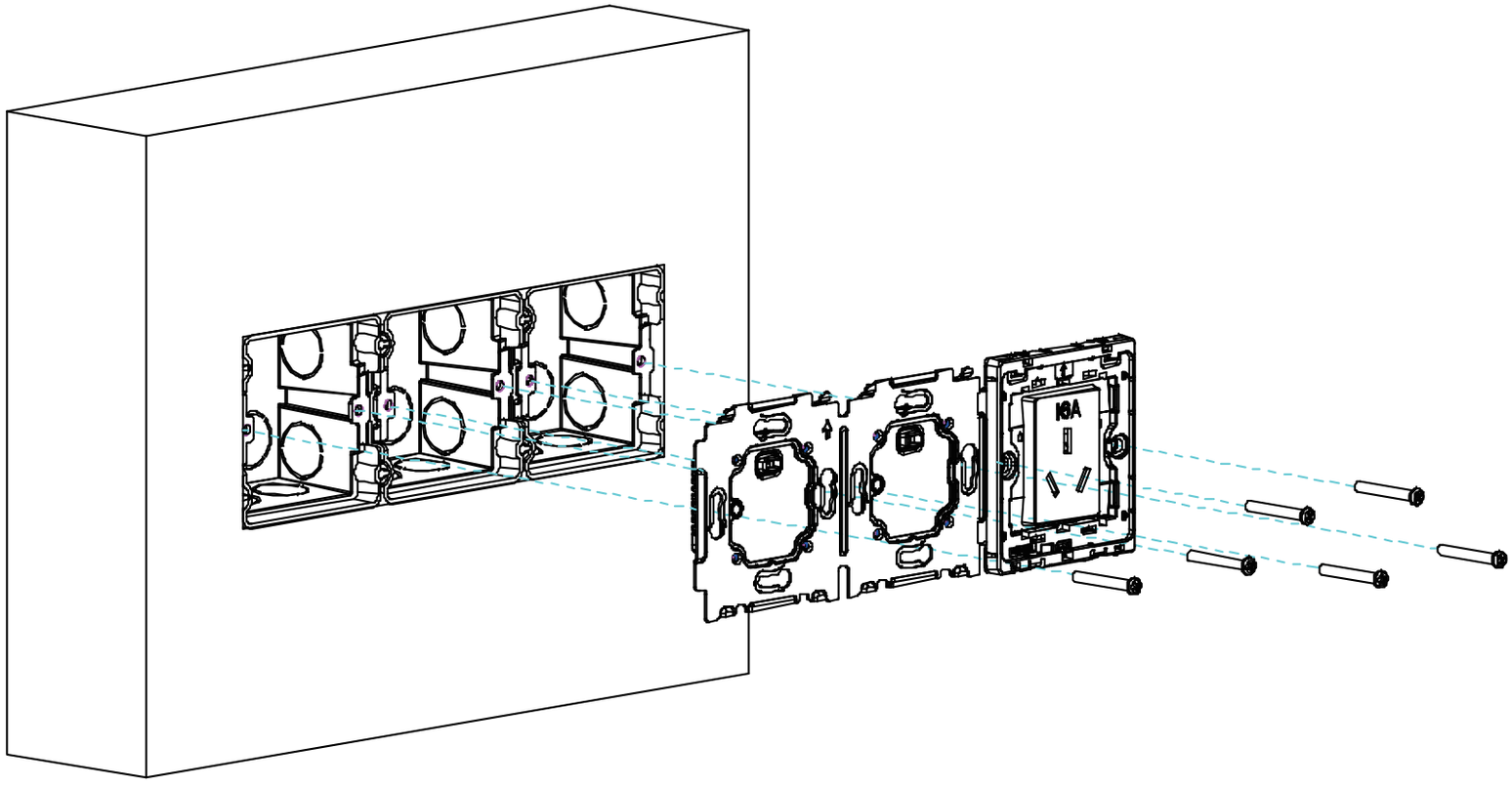
3 Install Sockets

TIP:
Skip this step if no socket panels are included.



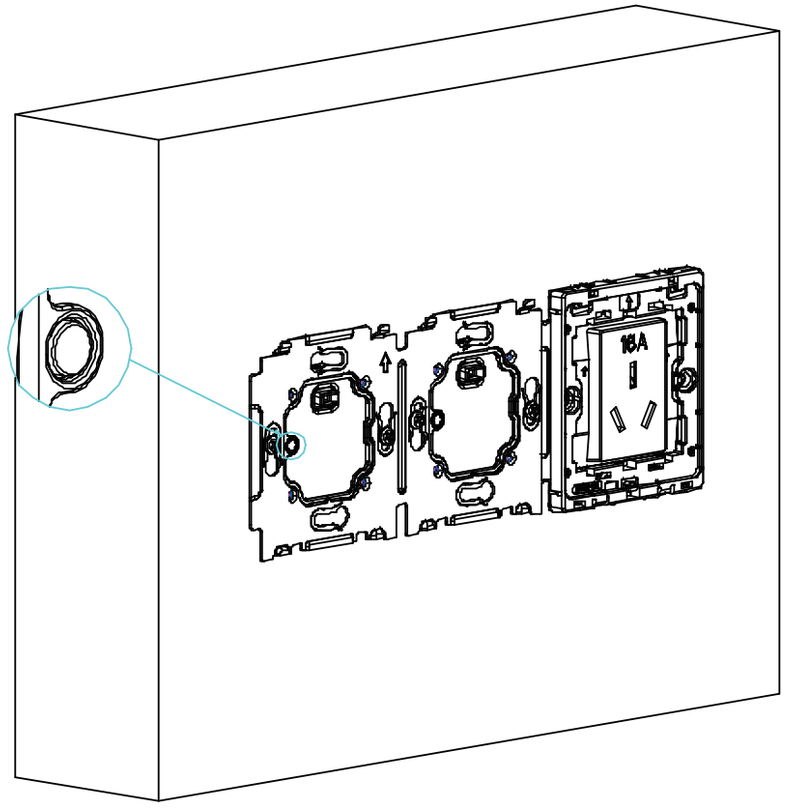
- Use the removal tool to gently pry off the socket wall plate.
- Ensure the arrow on each socket points upward.
- Align the sockets with the module B areas on the mounting plate, and snap them into place.

4 Fix Mounting Plate



- Secure the mounting plate to the electrical boxes with the supplied M4×20 screws (two per box).
- Ensure the plate is level and flush with the wall.

5 Test Electrical Connections



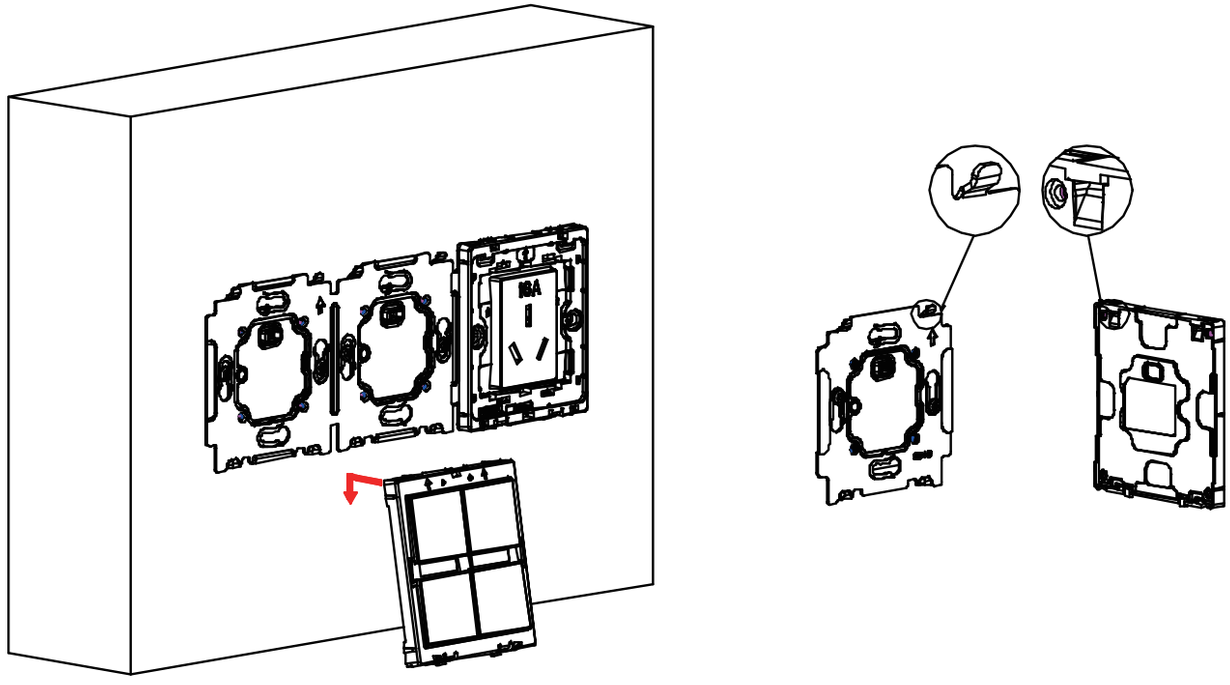
- Turn on the power.
- Press the tese buttons on the power bases. A red light indicates a proper connection.

If no red light appears, do NOT continue installation. Turn off the power and recheck the wiring.

6 Install KNX Panels

Warning!

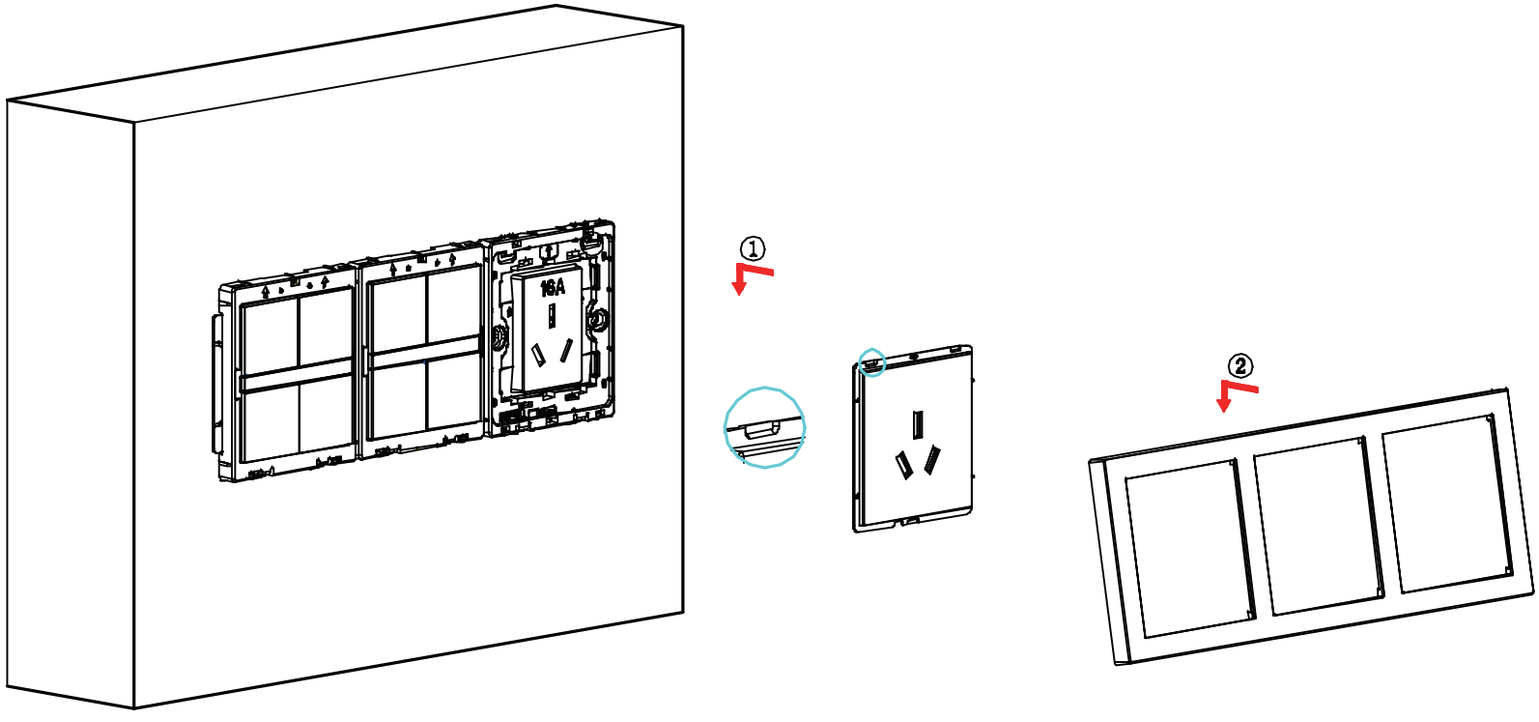
Turn OFF the power before installing the panels.



- Match the panels to the installed power bases by tese button color:
  - White: KNX button panel
  - Orange: KNX multi-function panels

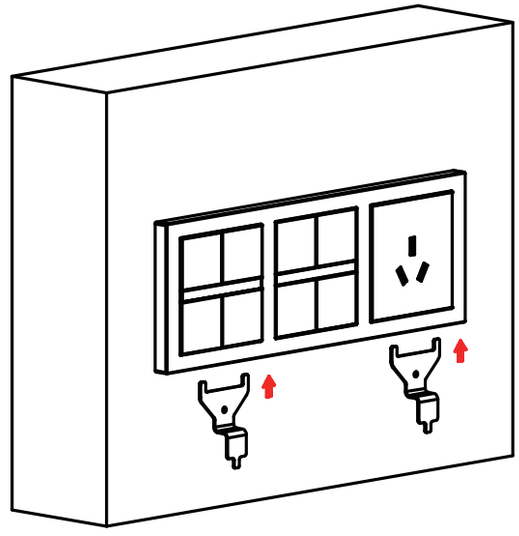
- Ensure the arrow on each panel points upward.
- Align the clips on the panels with the slots on the mounting plate.
- Press firmly until the panels snap into place.

7 Attach Wall Plate and Decorative Frame

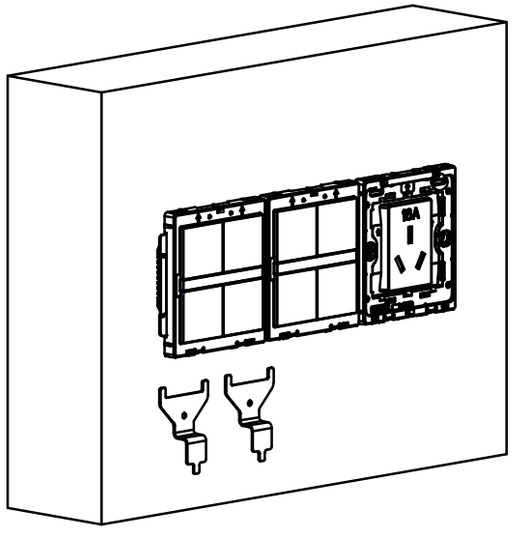


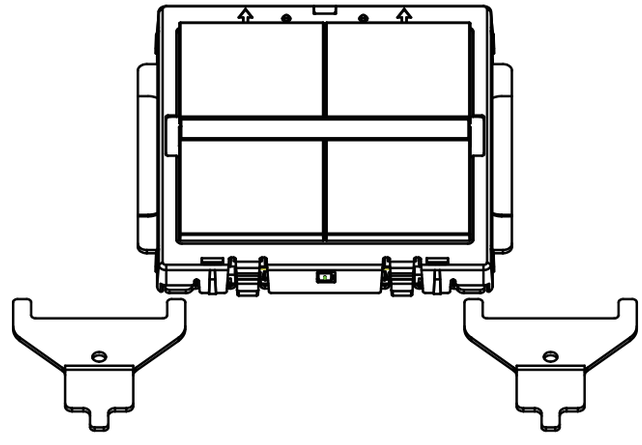
- Reinstall the socket wall plates.
- Ensure the arrow on the back of the decorative frame points upward.
- Align the frame with the panels and snap it into place.

If you need to remove the panel

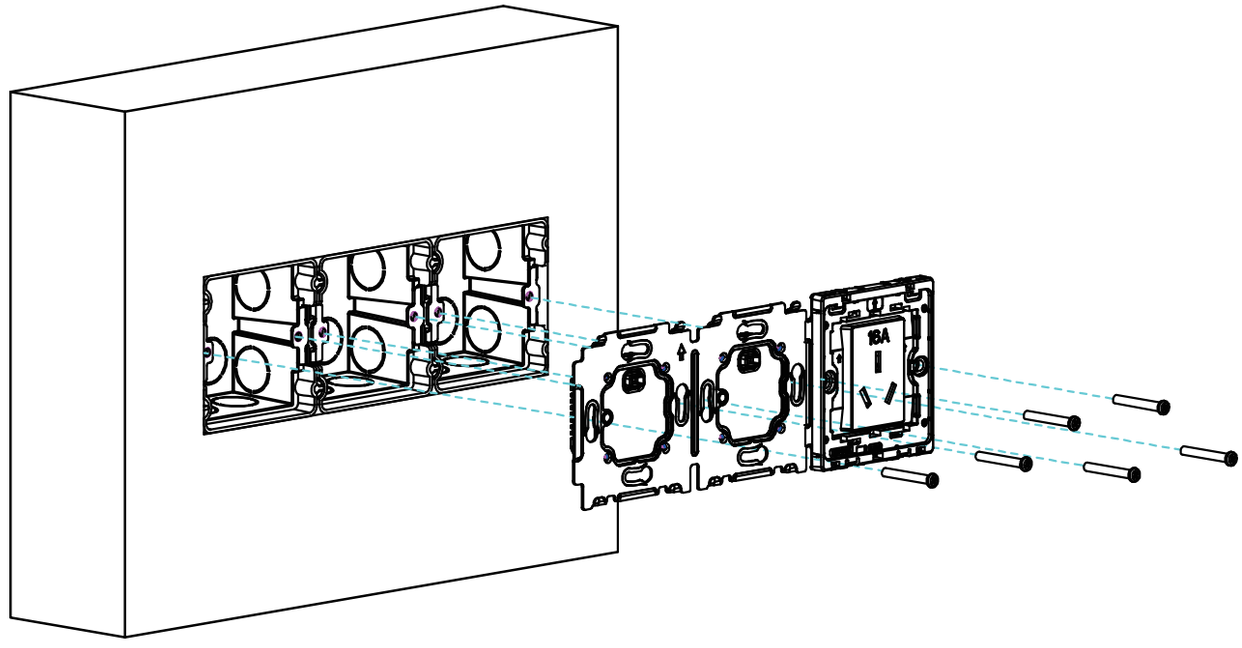


- Insert the removal tool into the slots along the bottom edge, push up slightly, and pull out the frame.





- Insert the removal tool into the bottom left and right slots, then gently pry the KNX panels upward.



- Remove the socket's wall plate.
- Remove all the M4×20 screws to detach the mounting plate from the electrical boxes.
- From the back of the panel, gently pry the clips upwards to release them from the mounting plate slots.
- Carefully lift the panel off the mounting plate.

Congratulations!

You are done with the multi-gang panel installation!
Start your smart home journey with akubela now!

Get Help

For help or more assistance,
email us at: support@akubela.com

For videos, guides, and additional product information,
visit : https://knowledge.akuvox.com


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