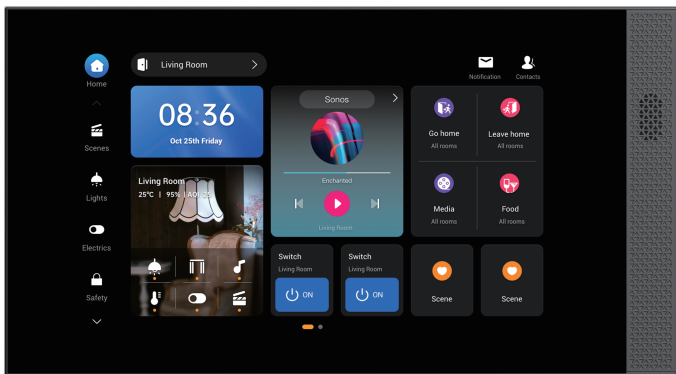




# Installation Guide

## For HyPanel Elite7



Smarter Home |  
Sweeter Life

# Welcome!

This guide applies to HyPanel Elite 7 (model PG42).

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## Before We Start

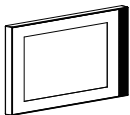
Your first time installing this product may take up to 40 minutes. You'll get faster after each installation.



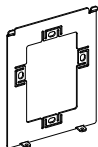
### **Warning**

Keep the device and all its parts out of the reach of children. The small parts or accessories contained may be a choking hazard to them.

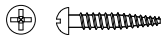
## In the Box



HyPanel Elite 7 **x1**



Wall-Mount Backplate **x1**



ST3x20 Crosshead  
Screw **x2**



Diode **x1**



M2x5 Crosshead  
Screw **x2**



Crosshead Screwdriver **x1**



8-Pin Cable **x1**



10-Pin Cable **x1**



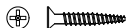
Drywall Anchor **x2**



M4x20 Phillips  
Self Tapping Screw **x2**



#6-32x31.5mm Phillips  
Machine Screw **x2**



ST4x20 Crosshead  
Screw **x2**

# Check Compatibility

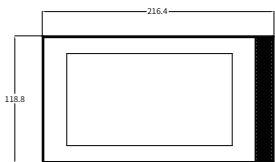
## Product dimensions(mm)



⑤ BOTTOM VIEW



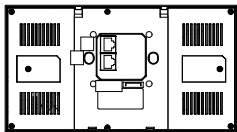
② RIGHT VIEW



① FRONT VIEW



③ LEFT VIEW



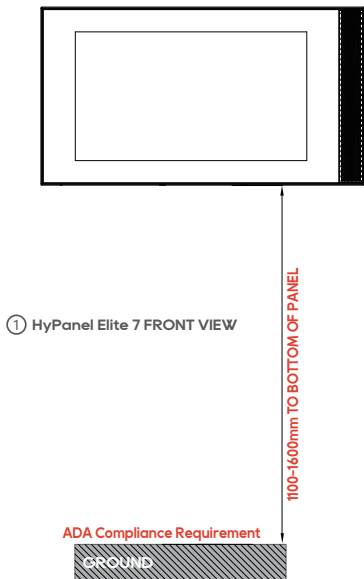
④ BACK VIEW



⑥ TOP VIEW

## Working space

Make sure the HyPanel Elite 7 is compatible with the location where you want to install it.



## **Powered by PoE or 12VDC**

HyPanel Elite 7 offers two power options: IEEE802.3af PoE or a 12VDC power supply.

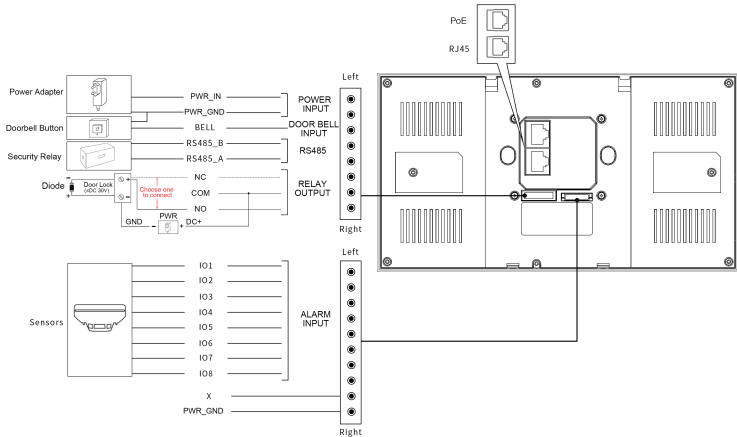
## **Relay Output Requirements**

HyPanel Elite 7 features a 1-gang relay output supporting 0-30 VDC with a maximum rated current of 2A.

## **Support 2.4Ghz Wi-Fi and Ethernet Connections**

HyPanel Elite 7 can operate with both wireless and wired networks. A wired connection is recommended for greater reliability and faster data exchange.

# Wiring



## • Power Supply

- ▶ **PoE:** Connect an Ethernet cable from a PoE switch to the device's PoE port.
- ▶ **12V adapter:**
  1. Insert the supplied 8-pin cable.
  2. Connect the 12V DC adapter wires to the **PWR\_IN** and **PWR\_GND** terminals.

## ♦ Doorbell Connection

1. Insert the supplied 8-pin cable.
2. Connect doorbell wires to the **BELL** and **Power\_GND** terminals.

## ♦ RS485 Device Connection

1. Insert the supplied 8-pin cable.
2. Connect RS485 device wires to the **RS485\_A** and **RS485\_B** terminals.

## ♦ Relay Output Connection

1. Insert the supplied 8-pin cable.
2. Connect the negative wire to **COM**. If external power is needed, connect it accordingly.
3. Connect the positive wire to **NO** or **NC**, depending on the default contact state.

## NOTE:

When connecting an electric strike, it is strongly recommended to add a diode to protect the circuit.

## ♦ Input Connection

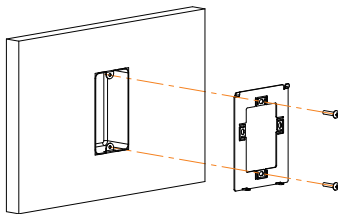
1. Insert the supplied 10-pin cable.
2. Connect input device wires to the **IO** and **PWR\_GND** terminals.

# Installation

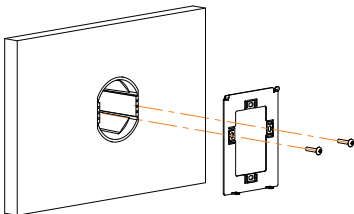
## 1 Install Wall-Mount Backplate

### ■ With an Electrical Box

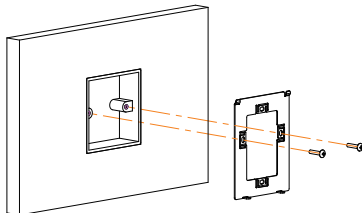
#### a. US standard electrical box



#### b. EU standard electrical box



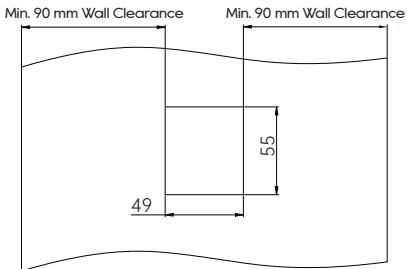
### c. CN standard electrical box



- Attach the wall-mount backplate to the electrical box using the supplied screws:
  - EU standard: Use two ST4x20 screws.
  - US/CN standard: Use two M4x20 screws
- Ensure the backplate is level and flush against the wall.

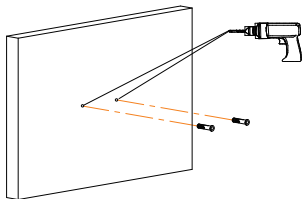
## ■ Without Electrical Box

### a. Cut an Opening



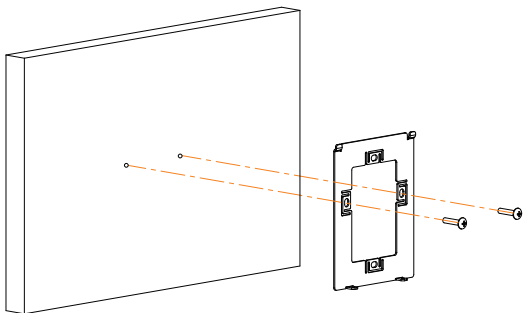
Cut a 49x55mm opening in the wall. Ensure it is at least 90mm from the wall.

### b. Drill Mounting Holes



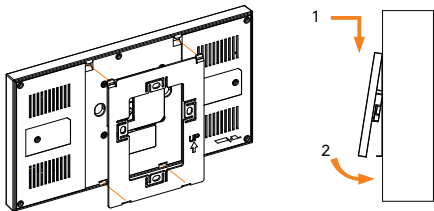
- Drill two horizontal holes 60 mm apart using a 6 mm drill bit, with each hole 20mm deep.
- Insert the supplied drywall anchors until they are flush with the wall surface.

### c. Attach Wall-Mount Backplate

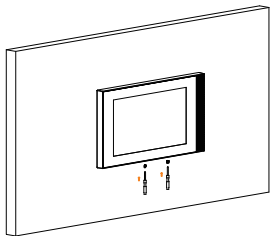


- ◆ Secure the wall-mount backplate using two ST4x20 screws.
- ◆ Ensure it is level and flush against the wall.

## 2 Attach the Panel

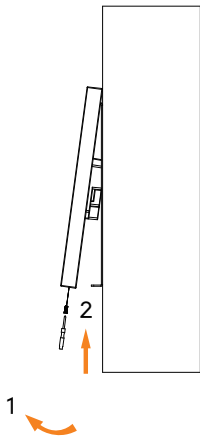


- Tilt the panel 15° to align its notches with the two clips on the wall-mount backplate.
- Press the panel onto the backplate, then slide it downward to snap it into place.
- Ensure the panel is flush with the wall.



- Use the hex key to fasten two M2x5 screws.
- Confirm the panel is securely mounted.

## If you want to remove the panel



- Use the hex key to remove the two M2x5 screws at the bottom.
- Tilt the panel 15°, then slide it upward to detach it from the wall-mount backplate.

# Congratulations!

You are done with the HyPanel Elite 7 installation!  
Start your smart home journey with akubela now!

## Get Help

For help or more assistance,  
email us at: [support@akubela.com](mailto:support@akubela.com).

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

