Modo Tab Mount Smart

MTM-SMART-EU

Installation Guide
& User Manual

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1. Product Description

Modo Tab Mount Smart is a magnetic wall-mounted tablet holder with an integrated smart power supply, ambient LED lighting, and ESPHome firmware with native Home Assistant compatibility.

The product is designed for installation into standard EU flush wall installation boxes. All electronics, including the power supply and controller, are concealed within the wall, providing a clean, floating tablet appearance without obstructing speakers, buttons, or microphones.

2. Intended use

Modo Tab Mount Smart is intended for:

- Indoor, dry-location installation
- Wall-mounted tablet charging and display
- Use with low-voltage consumer tablets

The product is not intended for outdoor use, wet environments, or life-critical applications.

3. Safety Information

Installation involves connection to the AC mains and should be performed by a person with appropriate electrical knowledge.

- Disconnect mains power before installation or servicing.
- Use only within the rated input voltage: AC 110–230 V, 50/60 Hz.
- Install the product in accordance with applicable local electrical regulations.

Intended for indoor, dry-location use only.

4. Before Installation

Ensure that:

- A **standard EU wall installation box** is present and securely mounted.
- **Live (L)** and **Neutral (N)** conductors are available inside the wall box.
- Adequate Wi-Fi signal strength is available at the installation location.
- The tablet is compatible in size (< 13'') and weight (< 1.4 kg) with the mount.

5. Package Contents

Verify that the package contains the following items:

1. Isopropyl alcohol cleaning pads
2. Tablet backplate (metal plate with pre-applied adhesive)
3. Alignment template (for silicone pads placement)
4. Silicone pads – 4 pcs
5. Magnetic wall box mount with integrated power supply and charging cable
6. Self-tapping M3 mounting screws – 2 pcs
7. Single-use adhesion promoter applicator

If any items are missing or damaged, do not install the product.

6. Installation Instructions

6.1. Prepare the tablet

6.1.1. Clean the rear surface of the tablet using the supplied isopropyl alcohol pad.
6.1.2. (Optional – Recommended for best adhesion). Apply the supplied adhesion promoter to the area where the backplate will be installed. Apply a thin, even layer using light strokes. Allow the primer to dry completely (~5 minutes; do not exceed 60 before installation).
6.1.3. Remove the protective film from the adhesive side of the tablet backplate.
6.1.4. Position the backplate centrally on the tablet and press firmly for at least 20 seconds. Initial handling strength is achieved immediately; full bond strength develops over 24–72 hours.
6.1.5. Place the alignment template over the installed backplate.
6.1.6. Remove the protective film from the silicone pads and attach one pad to each corner indicated on the template.
6.1.7 Remove the template.
6.1.8. The tablet is now prepared for mounting.

6.2. Install the Wall Mount

(!) *Ensure that no live voltage is present by using a multimeter or another appropriate testing device.*

6.2.1. Connect the **Live (L)** and **Neutral (N)** conductors to the corresponding terminals on the wall mount power supply.
6.2.2. Carefully place the wall mount into the wall installation box.
6.2.3. Insert the supplied screws and tighten evenly. Do not overtighten.
6.2.4. Route the charging cable through the wall plate cutout before fully tightening the screws.
6.2.5. Ensure only the required cable length remains outside the wall.
6.2.6. Connect the charging cable to the tablet.
6.2.7. Attach the tablet to the mount.
6.2.8. The tablet will magnetically engage and lock into position.

6.3. Wi-Fi Setup

6.3.1. Restore mains power.
6.3.2. The LEDs will illuminate with a blue scanner effect, indicating Wi-Fi setup (Access Point mode).
6.3.3. On a smartphone, tablet, or computer, search for the Wi-Fi network: **modotabmount-xxxxxx**
    Note: xxxxx is a unique identifier assigned to each device.
6.3.4. Connect to the network.
    - A "Sign in to network" notification will appear.
    - If not, open a web browser and navigate to:
      http://192.168.4.1
6.3.5. Select your home Wi-Fi network, enter the password, and confirm.
6.3.6. Upon successful connection, the LEDs will blink **green three times**.

7. Device controls & Integration

7.1 Control Interfaces

Modo Tab Mount Smart can be monitored and controlled using:

- The built-in Web User Interface (local access)
- Home Assistant via native ESPHome integration

7.2 Web User Interface

The built-in Web User Interface (Web UI) is accessible from a web browser on the same local network. Access the interface using the device's IP address or by navigating to http://modotabmount-xxxxx.local

Note: xxxxx is a unique identifier assigned to each device.

7.3 Home Assistant Integration

Modo Tab Mount Smart integrates natively with Home Assistant using ESPHome. Once added, the device appears as a standard ESPHome node and exposes its entities directly to Home Assistant.

To add Modo Tab Mount Smart to Home Assistant:

1. Ensure Home Assistant and the device are connected to the same local network.
2. After Wi-Fi setup is completed, Home Assistant will automatically discover the device.
3. A notification will appear in Home Assistant: **"New ESPHome device discovered"**.
4. Select the device and confirm the integration.

If automatic discovery is disabled, the device can be added manually:

1. Open Settings → Devices & Services in Home Assistant.
2. Select Add Integration.
3. Choose ESPHome.
4. Enter the device's IP address or hostname and confirm.

Once added, the device is ready to be used in dashboards and automations.

7.4 Available Functions and Entities

Both Web UI and Home Assistant Integration provide charging control, power monitoring (voltage, current, power), LED control (including color, brightness, effects), device and Wi-Fi status, and firmware management including restart, factory settings reset and over-the-air updates.

8. Normal operation

During normal operation, the tablet charges when mounted on the device. Tablet can be attached or removed by gently pulling it away from the wall.

Device operates automatically once configured and does not require user interaction for basic operation.

Optional monitoring, control, and automation are available via Home Assistant or local Web User Interface.

9. Additional Information

Intended for indoor use only
Nominal input: AC 110–230 V~, 50/60 Hz
Output: 5 V DC, max. 2 A (10 W)
Product contains no batteries

10. Disposal & Environmental Information

This product must not be disposed of with household waste.
Dispose of electrical and electronic equipment in accordance with local regulations.

11. Manufacturer Information

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CE

Modo Tab Mount Smart

MTM-SMART-EU

Quick Start Guide
(Illustrated)

Follow the numbered figures in order
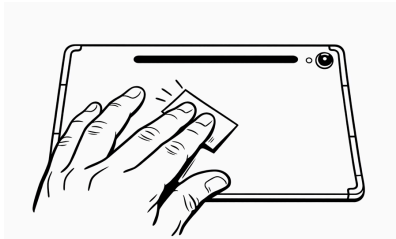
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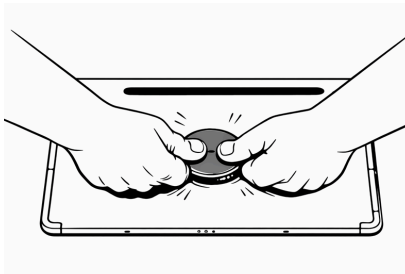
Figure 1 – Clean the tablet back (see section 6.1.1)

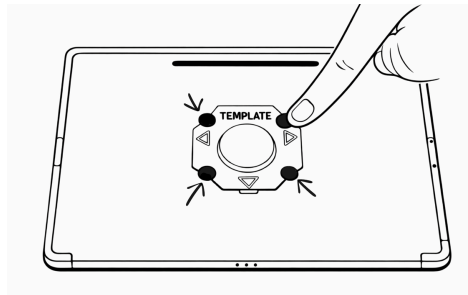**Figure 2 –** Attach metal backplate (see sections 6.1.2 - 6.1.3)

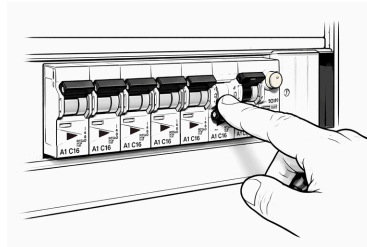**Figure 3 –** Place alignment template and attach silicone pads (see sections 6.1.4 - 6.1.5)
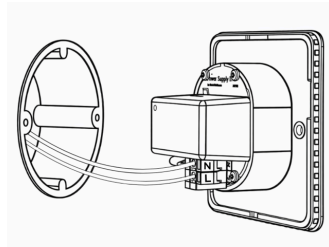
Figure 4 – Disconnect mains power before installation

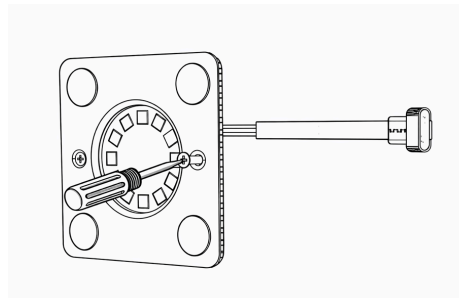**Figure 5 –** Connect AC supply wires (see section 6.2.1)

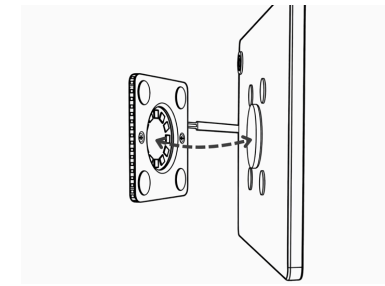**Figure 6 –** Install wall mount and route charging cable (see sections 6.2.2 - 6.2.5)

Figure 7 – Connect Charging cable to the Tablet and dock it to the mount (see sections 6.2.6 - 6.2.8)
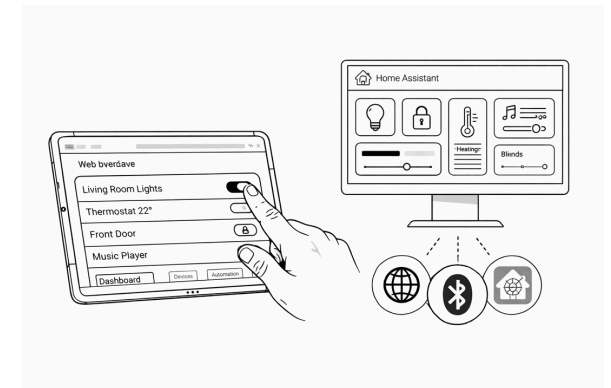
Figure 8 – WIFI Setup (see section 6.3)

Figure 9 – Device controls and integration (see section 7)

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