PIANIS Minimalist Wall Key Holder

A simple place for the things you always reach for on your way out.

PIANIS is a minimalist wall-mounted key holder designed to keep your essentials organized without visual clutter. It attaches easily using:

- **4x Command Strips (Size L - 7 kg)** link EU: https://amzn.to/4sFcs8S ,link USA: https://amzn.to/4dQUU5U
- **double-sided mounting tape (Up to 94 mm x 20 mm)** link EU: https://amzn.to/4dWdJ7P ,link USA: https://amzn.to/4tS09qB
- **or screws (4 x countersunk screws M3.5-M5)**, link EU: https://amzn.to/4dMhD2U ,link USA: https://amzn.to/3Q4q146

so you can choose what works best for your space - **no drilling required** if you don't want it.

The model is optimized for **PLA filament** and prints best with proper bed adhesion (MIGHT REQUIRE 3D LAC or SETTINGS ADJUSTMENTS). This design is made to be printed from PLA ONLY.

Multicolor body can be printed both **WITH or WITHOUT AMS** - see PDF with instructions.

Filaments in the photos:

- Bambu Lab PLA Matte **Desert Dune**
- Bambu Lab PLA Matte **Dark Blue**

Size

- Size: **250 × 220 × 18 mm**
- Minimum print bed: **250 × 250 mm**

Printing Instructions

Recommended settings:

- Layer height: **0.2 – 0.24 mm**
- Infill: **10–15% gyroid**
- Brim: **Outer brim (recommended)**
- Material: **PLA (recommended)**

This model is tested with:

- Bambu Lab PLA Matte **Desert Dune**
- Bambu Lab PLA Matte **Dark Blue**

PLA is strongly recommended due to its low warping and best surface results.

Important – Bed Adhesion

The main body is large and relatively thin, so **bed adhesion is critical**.

Before printing:

- Clean your **print surface thoroughly** (soap + water)
- Use **3D lac / adhesive spray**
- Enable **outer brim**
- Slightly **increase nozzle and bed temperature**

AMS & Non-AMS Printing

AMS (multi-color)

Print as provided — colors are separated and ready for AMS printing.

Non-AMS (single-color printer)

You can still print this design in multiple colors — there is **only one color change**, so it's very straightforward:

1. Slice the model in your slicer.
2. Open the **Preview mode**.
3. Use the **layer slider on the right side** to scroll through the layers.
4. Find the layer where the color changes.
5. **Right-click on that layer**and select:
   - *"Add pause"* / *"Pause at height"*
6. Start the print.
7. When the printer pauses:
   - Change filament to your second color
   - Resume the print

Tip: Make sure the nozzle is clean before resuming for a crisp color transition.

Assembly Instructions

Hooks

- The hook tiles **slide in from the top**
- Optional: secure with a **small drop of glue** for permanent hold

Mounting Instructions

Option 1: Command Strips / Double-Sided Tape

The back includes **4 mounting areas (20 × 94 mm)** — perfectly sized for:

- **Command Strips Size L (7 kg)**

Steps:

1. Clean the **wall surface thoroughly** (dry and dust-free)
2. Apply strips to all 4 marked areas
3. Press firmly onto the wall for **30 seconds**
4. Wait **at least 1 hour** before loading

Do **not** use adhesive strips on **rough, uneven, or brittle surfaces** (e.g. old plaster or facade), as adhesion may fail.

Option 2: Screws

- Use **4 countersunk screws (M3.5 – M5)**
- Use wall plugs if needed

Questions or Feedback?

simonauhrova3d@gmail.com

Join the Community:

https://discord.gg/XsUfZeGGnM