

PAGE 1 — COVER PAGE (Include branded artwork)

Installation & Setup Guide for Knobbles Classic *non-corded*
For Homeowners & Professional Installers

Screen-Free • Interactive • Handcrafted Hardware

(place artwork, branding, and imagery here.)

PAGE 2 — SAFETY & DISCLAIMER

Safety Information

Please read all instructions before installing Knobbles.

- All electrical work **should** be performed by a licensed electrician.
- Always turn **power OFF at the breaker** before connecting wires.
- Do not install Knobbles near water sources, sinks, or high-moisture environments.
- Only use the provided screws, anchors, and mounting hardware. For replacement or recommended hardware, please contact support@knobbles.io with your order number.
- Do not modify the internal wiring or mechanical components. Doing so will void your warranty.
- Keep small parts away from children during installation.
- Do not apply excessive force on the knobs or terminals at any time during installation
- Knobbles is intended for **indoor use only**.

Disclaimer

Improper installation may result in damage to the unit, your wall, and / or property. Knobles assumes no responsibility for installations performed outside the recommended guidelines in this manual, or updated documentation.

PAGE 3 — WHAT'S INCLUDED / WHAT YOU NEED

What's Included (In the box)

- 16 x Rows (A1-A8 and B1-B8).
- 1 x French cleat (C1)
- 4 x French cleat mounting screws (C2)
- 4 x Small wall anchors (C3)
- 1 x Template (D1)
- 1 x Powered Wall Mount (D2)
- 1 x Powered Wall Mount Cap (D3)
- 1 x Powered Wall Mount Junction Box Cover (D4)
- 2 x Powered Wall Mount Junction Box Cover Screws (D5)
- 6 x Powered Wall Mount Cap Anti-Tamper Screws (D6)
- 6 x Large Wall anchors (D7)
- 6 x ¼ in. mounting bolts (D8)
- 1 x Anti-tamper screw driver (E1)
- 1 x Level (E2)
- 3 x Wire nuts (E3)

What You'll Need (Not Included)

- Drill + drill bits
- Stud finder

- Pencil
 - Tape Measure
 - Ladder (if necessary)
 - Masking Tape
 - **Standard Single-gang Junction box** (non-corded units only)
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PAGE 4 — BEFORE YOU BEGIN

Choosing Your Power Configuration

Knobbles ships in two possible configurations (check this installation guide cover page and / or your order the configuration)

Plug-In Configuration

If your unit **comes with a plug-in cord**:

- No electrician is required

Non-corded Configuration

If your unit is **hardwired**:

- A junction box **must** be installed
 - Your electrician must use the **included installation template** to position the box correctly
 - Only **Line and Neutral** are used. **Ground is not used and must be capped**
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PAGE 5 — USING THE INSTALLATION TEMPLATE

Materials needed for this step:

Included in the box

- Template (D1)
- Level (E2)

Not included in the box

- Pencil

- Stud finder
- Masking tape

The template will ensure that the Powered Wall Mount aligns perfectly with your stud locations. If you do not have studs and are using only the included wall anchors (D5), or you are installing drywall backing (commercial applications), please skip steps that use a stud finder.

Step 1: Position the Template (D1) on your wall where you want to install Knobbles

- Hold the Template (D1) to your wall at the desired height and position
- Use the included level (E2) to ensure it is horizontally level at the desired location
- Ensure you have at least one foot of clearance on all sides. (D1)
- Tape (D1) to the wall using masking tape
- Using your pencil, mark the french cleat location from (D1) on the wall.
- Also mark 6 spots within the marked powered wall mount screw slot locations in (D1) where you plan on screwing in the mounting bolts (D6). It is recommended that these 6 spots are directly on the studs; 3 on one stud and 3 on the other. If this is not possible, please mark the 6 mounting locations anywhere within the screw slot locations marked on (D1) and plan on using the included wall anchors (D5) in the proceeding steps.
- Finally, trace the junction box outline (*non-corded* only)

IMPORTANT: IF YOUR UNIT IS NON-CORDED, DO NOT REMOVE THE TEMPLATE AND WAIT FOR YOUR LICENSED ELECTRIAN TO INSTALL A JUNCTION BOX ACCORDING TO THE MARKED LOCATION IN STEP 1

PAGE 6 — ELECTRICAL PREPARATION

Step 2: Electrical preparation

Plug-In Units

No action needed. Proceed to Step 3

Non-corded Units

After completing Step 1, your licensed electrician should:

- Install a standard junction box at the traced and marked location indicated by the template.

- B. Run **line and neutral** wires into the box.
- C. Cap unused **ground** wire (Knobbles does not use ground).
- D. Leave at least 6" of wire length for connection.

Power must remain OFF at the breaker until installation is fully complete.

PAGE 7 — MOUNTING THE FRENCH CLEAT AND POWERED WALL MOUNT

Materials needed for this step:

Included in the box

- 1x French cleat (C1)
- 4x French cleat mounting screws (C2)
- 4x Small wall anchors (C3)* *if applicable, see note at bottom*
- Level (E2)

Not included in the box

- Pencil
- Stud finder
- Drill and Drill bits

Step 3: Mounting the French Wall Cleat (C1)

- A. Align the French Cleat (C1) according to where you marked the edges from the template (D1)** *see note at bottom*
- B. Level it using the included level (E2)
- C. Drill pilot holes using a Drill and Drill bit
- D. Screw 2x French cleat mounting screws (C2) directly into studs*

**if you are not using studs, please use 2x small wall anchors (C3) for this step)*

***you should have already traced the location where you plan on mounting the French Cleat (C1) from Step 1E. If you have not completed these steps, please go back and complete it.*

Materials needed for this step:

Included in the box

- 1x Powered Wall Mount (D2)
- 6 x Large wall anchors - *if applicable*
- 6 x 5/16 mounting bolts (D8)

Not included in the box

- Drill
- Drill bits

Step 5: Hanging and mounting the Powered Wall Mount (D2)

- Locate the marks you made for the power wall mount slots from Step 1G
- If using studs, drill pilot holes using the appropriate size drill bit. If using wall anchors, use your drill and appropriate sized drill bit for the Large wall anchors.
- If using wall anchors***, Insert the 6 x Large wall mount anchors (D7) into the holes.
Skip this step if you are using studs.
- Hook the french cleat on the back of the Powered Wall Mount (D2) onto the French cleat (C1).
- Insert and tighten the 6 x 5/16 mounting bolts (D8) through the Power Wall Mount slots that match with either the pilot holes or Large wall anchor holes you just drilled. You can adjust the Knobbles unit left or right to better align with studs, if necessary.

IMPORTANT: DO NOT OVER TIGHTEN THE 5/16 MOUNTING BOLTS. DOING SO WILL DAMAGE THE POWERED WALL MOUNT AND/OR CAUSE A WEAK MOUNTING POINT

PAGE 8 — HARDWIRED ELECTRICAL CONNECTION

Once the Powered Wall Mount is secured:

Materials needed for this step:

Included in the box

- 3 x Wire nuts (E3)
- 1 x Powered Wall Mount Junction Box Cover (D4)
- 2 x Powered Wall Mount Junction Box Cover Screws (D5)

Not included in the box

- *All materials needed for this step are included*

Step 6: Make the electrical connections

- A. Pull line and neutral wires through the junction box opening on the Powered Wall Mount
- B. Connect the Powered Wall Mount wires to the wall connection in the junction box in the following order.

Powered Wall Mount (Black) Line → Wall Line

Powered Wall Mount (White) Neutral → Wall Neutral

- C. Secure the wire connections using **two of the included wire nuts** (E3)
- D. Slowly push wires back into the junction box
- E. Install the Powered Wall Mount Junction box cover (D4) using the two provided Powered Wall Mount Junction Box Cover Screws (D5)
- F. **Do NOT restore power yet (this is completed in a later step)**

**Note: The ground wire from the wall is not used. This wire should be capped securely using an included wire nut (E3).*

PAGE 9 — INSTALLING THE KNOBBLES

WARNING: DO NOT INSTALL THE KNOBBLES IN ANY OTHER ORDER OR ORIENTATION THAN DESCRIBED IN THE PROCEEDING STEPS. FAILING TO DO SO COULD RESULT IN DAMAGE TO THE UNIT OR NON-FUNCTIONALITY.

HANDLING INSTRUCTIONS (IMPORTANT): HOLD EACH ROW USING BOTH HANDS, GRIPPING THE TOP AND BOTTOM EDGES. DO NOT LIFT, PUSH, OR PULL A ROW USING THE KNOBS OR THE TERMINALS. FORCING A ROW MAY DAMAGE TERMINALS. **(SHOW VIA ILLUSTRATION PROPER GRIP)**

On either the top, back, or bottom of each row is a sticker with a row identifier labeled (A1-A8) or (B1-B8) and orientation arrows. These labels match the same labels for their position on the Powered Wall Mount. **Slide the rows onto the Powered Wall Mount according to the exact order below - be careful not to apply excessive force to the rows when sliding and never**

slide the rows on the mount by the knobs. While sliding the rows on the mount, ensure that both dovetails for each row are sliding on the Powered Wall Mount (**show depiction via graphic**)

Step 7: Align

- A. Start by positioning row A1 above its appropriate slots.
- B. The two dovetailed edges from the back of the row will slide into the Powered Wall Mount slots (**ILLUSTRATE**)

Step 8: Slide Down

- A. Apply firm but controlled downward pressure
- B. Some friction while sliding down is normal
- C. Terminals must fully seat (**show illustration**)

Repeat until all 16 rows are installed.

Slide row A1 (you should have just done this one) on the powered wall mount then B1

Slide row A2 on the powered wall mount then B2

Slide row A3 on the powered wall mount then B3

Slide row A4 on the powered wall mount then B4

Slide row A5 on the powered wall mount then B5

Slide row A6 on the powered wall mount then B6

Slide row A7 on the powered wall mount then B7

Slide row A8 on the powered wall mount then B8

Step 9: Check Fit

- A. Check to ensure there are no visible gaps between rows. (**SHOW WHAT AN APPROPRIATE AND NON-APPROPRIATE CONNECTION LOOKS LIKE VIA ILLUSTRATION**)

Step 10: Screw on the Powered Wall Mount Cap

- A. Place and press the Powered Wall Mount Cap (D5) on top of the Powered Wall Mount (D2) so that the notches are fully seated in the powered wall mount (show illustration).
 - B. Insert and screw the 6 x Powered Wall Mount Cap Anti-Tamper Screws (D6) into corresponding holes (illustrated) using the Anti-tamper screw driver (E1)
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PAGE 10 — POWER-ON & INITIAL SETUP

WARNING: ONLY PROCEED IF STEPS 1-10 HAVE BEEN COMPLETED. NOT COMPLETING ALL STEPS BEFORE CONTINUING COULD RESULT IN ELECTRICAL SHOCK. NEVER POWER ON THE UNIT IF ROWS HAVE BEEN BROKEN OR IF THE POWERED WALL MOUNT CAP IS NOT SECURE WITH THE ANTI-TAMPER SCREWS

Step 11: Provide Power to the unit

- Hardwired units: turn breaker ON
- Plug-in units: plug in

Step 12: How to turn your Knobbles unit On/Off

- A. Turn on the power switch on top of the Powered Wall Mount (D2) to the On position
- B. Knobbles will run a brief initialization sequence

Step 13: Wi-Fi Setup (If Applicable)

- A. Connect to the Knobbles Wi-Fi network on your phone, tablet, or computer labeled “Knobbles-Setup”
 - B. Scan the below QR code or navigate to XXX-XXX.
 - C. Select your network’s SSID from the list, enter the password, and follow any other instructions on the webpage
 - D. Wait for Knobbles to reboot and sync
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PAGE 11 — TROUBLESHOOTING & MAINTENANCE

Troubleshooting

A row won't light up or lights are rapidly flickering

- Ensure all rows are fully seated and have been installed correctly in the order on [page X](#)
- If fully seated and the row still doesn't light up, remove the Powered Wall Mount Cap ([D3](#)) and uninstall all rows in reverse order (according to the order on [page X](#)) up to the affected row. After removing the affected row, check for any damage or bent pins in the terminals, reinstall back to the affected row according to Steps 7-9, and power the unit off then on again and wait for the start-up sequence to end.
- If the problem persists, contact support@knobbles.io.

Board doesn't turn on

- Check the breaker / outlet to ensure it has power. If there is a light switch controlling your Knobbles, please ensure that it is in the On position. Ensure the Power switch on the Powered Wall Mount ([D2](#)) is also in the On position.
- Ensure junction box connections are secure by removing all the rows in reverse order (according to the order on [page X](#)), removing the Powered Wall Mount Junction Box Cover ([D4](#)), and ensuring that the connections have been wired correctly and are securely connected with the Wire nuts ([E3](#)). Ensure to reinstall both the Powered Wall Mount Junction Box Cover ([D4](#)) and the 16 rows according to Steps 7-9 and in the correct order on [page X](#)
- If the problem persists, please contact support@knobbles.io

Wi-Fi won't connect

- Use a 2.4 GHz network
- Move closer to router
- Restart Knobbles

Maintenance

- Cleaning: Always wipe Knobbles with a soft, lint-free cloth and a solution of mild dish soap and water; avoid alcohol, acetone, ammonia-based cleaners, abrasives, or scouring pads, and always dry with a clean cloth to prevent streaks or scratching with a dry microfiber cloth.
 - ***Do not spray cleaners directly on the unit as atomized liquids can enter the unit and damage the device.***
 - ***Do not remove rows while powered***
 - ***Avoid excessive pressure on knobs***
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PAGE 12 — WARRANTY & SUPPORT

Warranty

Knobbles includes a **1-year limited warranty** covering hardware and electronics.

Warranty does not cover:

- Damage caused by improper installation
- Modifications
- Physical abuse
- Liquid exposure

Support

Need help?

Email: support@knobbles.io

Website: www.knobbles.io

Phone: (804) 255-9550