

How to connect the secondary distribution box to the electrical box



Article Overview

To connect a subpanel, run two hot wires, one neutral, and one ground from the main panel to the subpanel, ensuring proper grounding and breaker sizing.

Step 1: Safety First

Before starting, turn off the main breaker in the main panel to disconnect power. Never work on live circuits, and ensure the area is dry and free from conductive surfaces. Use insulated tools and follow all local electrical codes .

Step 2: Mount the Subpanel

Install the subpanel in a convenient, accessible location, typically on a wall or post. Ensure it is securely mounted and complies with NEC clearance requirements: at least 3 feet of clear working space in front, 30 inches wide, and extending from the floor to 6.5 feet .

Step 3: Run Feeder Wires

From the main panel, run a feeder cable consisting of:

- Two hot wires (L1 and L2) for 240V supply
- One neutral wire (N) for 120V circuits
- One ground wire (G) for safety The wire gauge and amperage must match the sub...

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My question is, how do I connect a second feed from this main box? The new subpanel can be fed from a new circuit

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