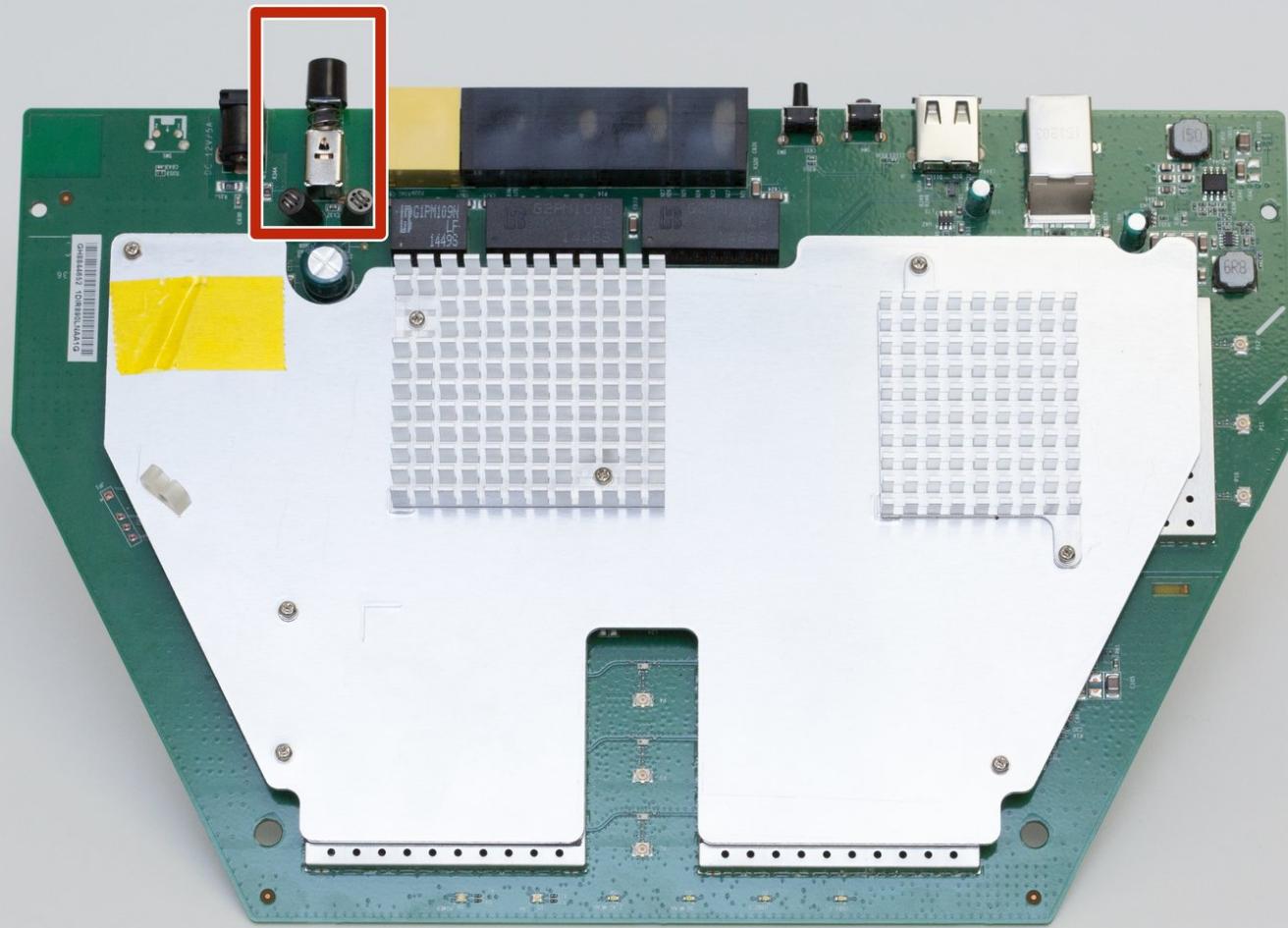




D-Link DIR-890L Power Switch Replacement

Broken power switch preventing you from turning on your router? Follow this guide to replace it.

Written By: Rachel Shaw



INTRODUCTION

The power switch is the black button on the back of the router. If it is not pressing and appears to be broken, this guide will walk you through on the replacement of this switch.

TOOLS:

- [Phillips #1 Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Heavy-Duty Spudger \(1\)](#)
- [Desoldering Pump \(1\)](#)
- [Soldering Iron \(1\)](#)

Step 1 — Case



- Peel off the four rubber rectangular feet with your fingers.
- *(i)* The feet may be hard to remove. Apply additional force if necessary.

Step 2



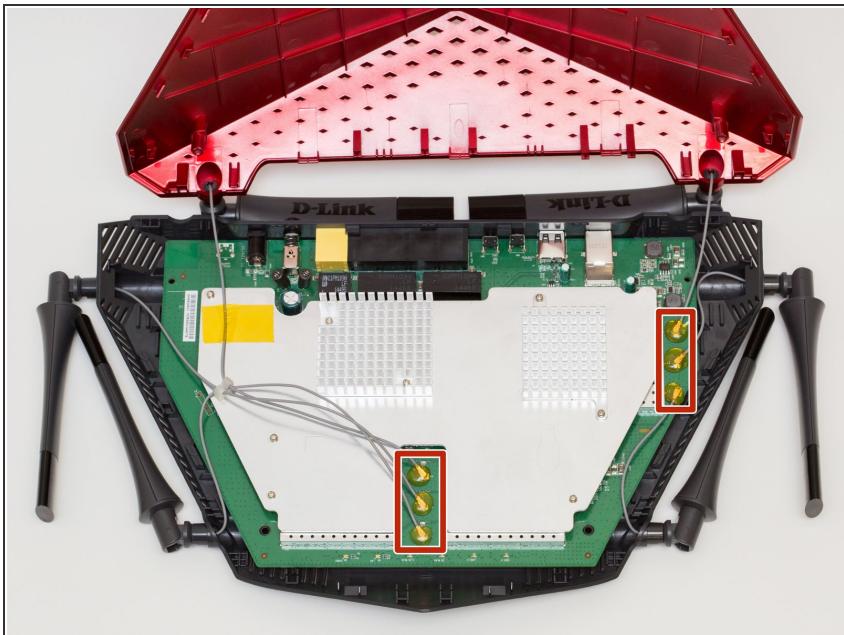
- Unscrew the 5mm screws in each corner using the Phillips #1 screwdriver.

Step 3



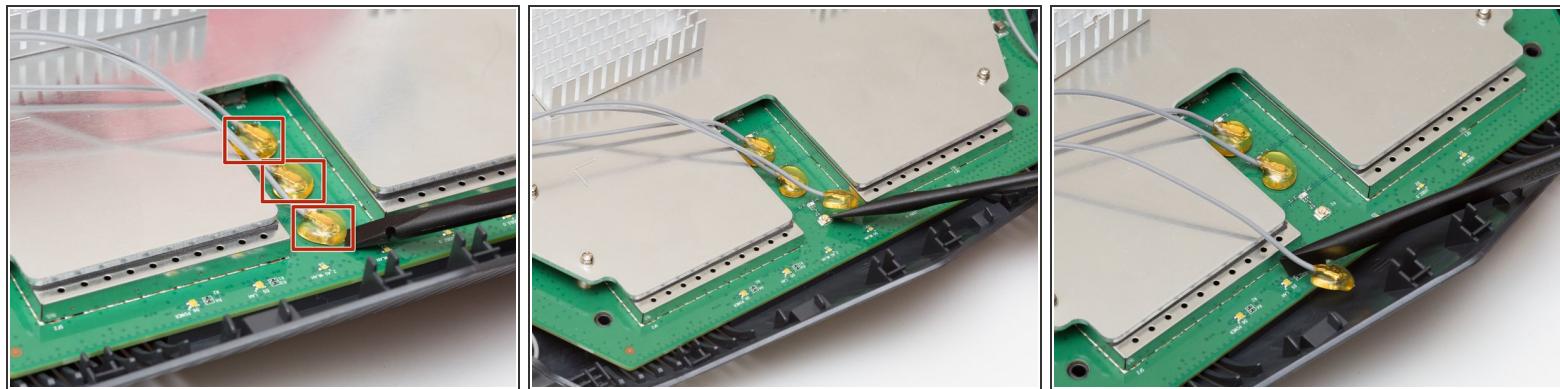
- Wedge the opening tool between the red top panel and the gray bottom panel.
- Twist the opening tool to separate the panels. Work your way around the case until both of the panels are separated.

Step 4 — Motherboard



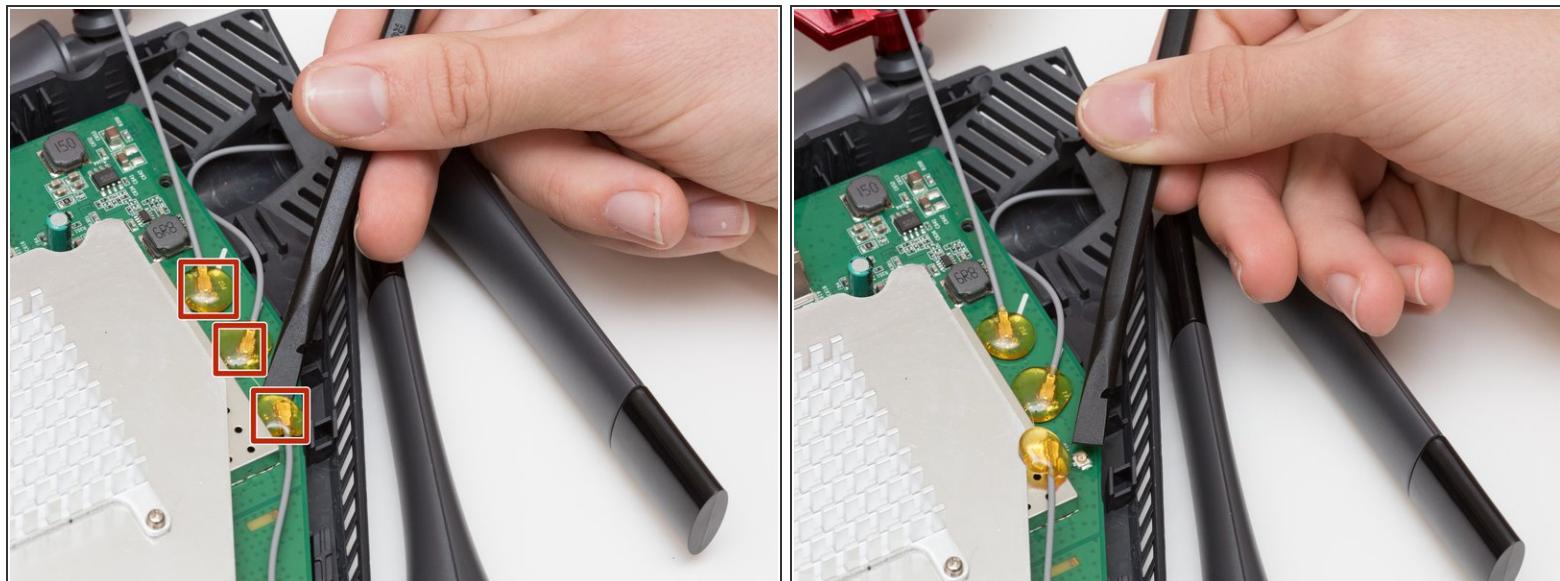
- Orient the router so the narrow end of the router faces you and the ports face away from you.
- The six, hot-glued antenna connections are in the middle and at the top right of the motherboard.

Step 5



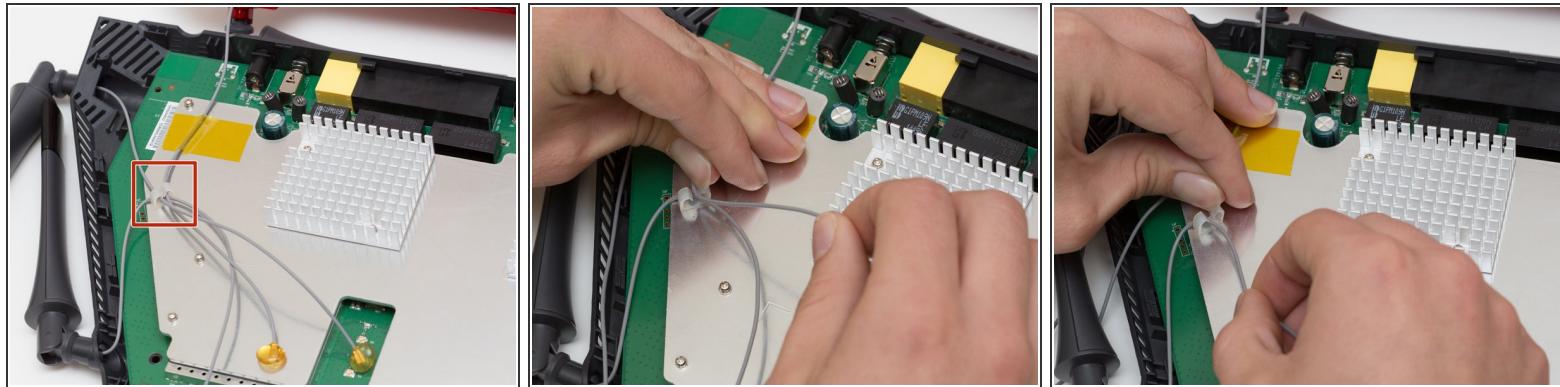
- Pry off the antenna connectors using a heavy-duty spudger.

Step 6



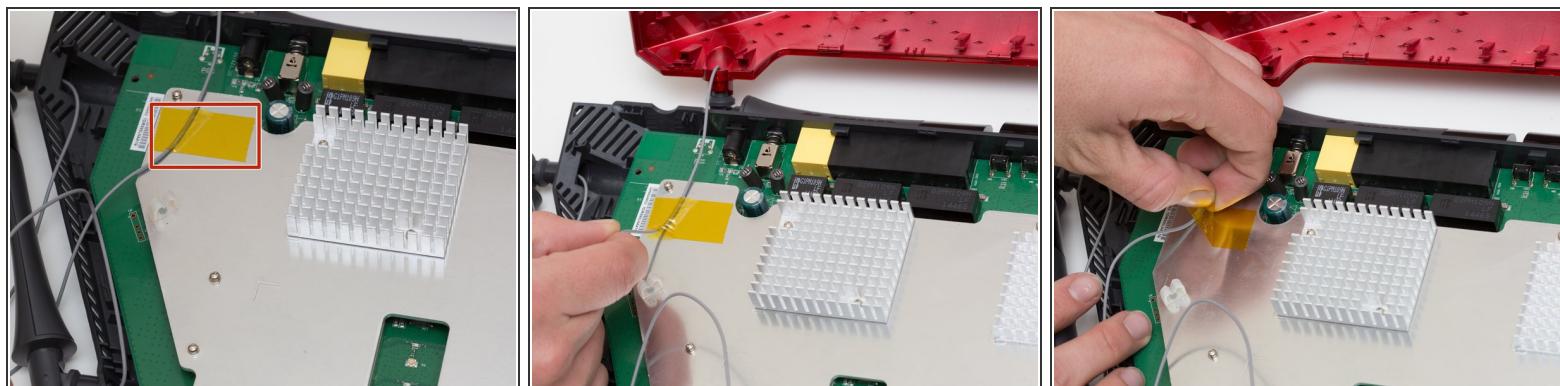
- Continue to pry off the last three antenna connections on the upper right portion of the motherboard.

Step 7



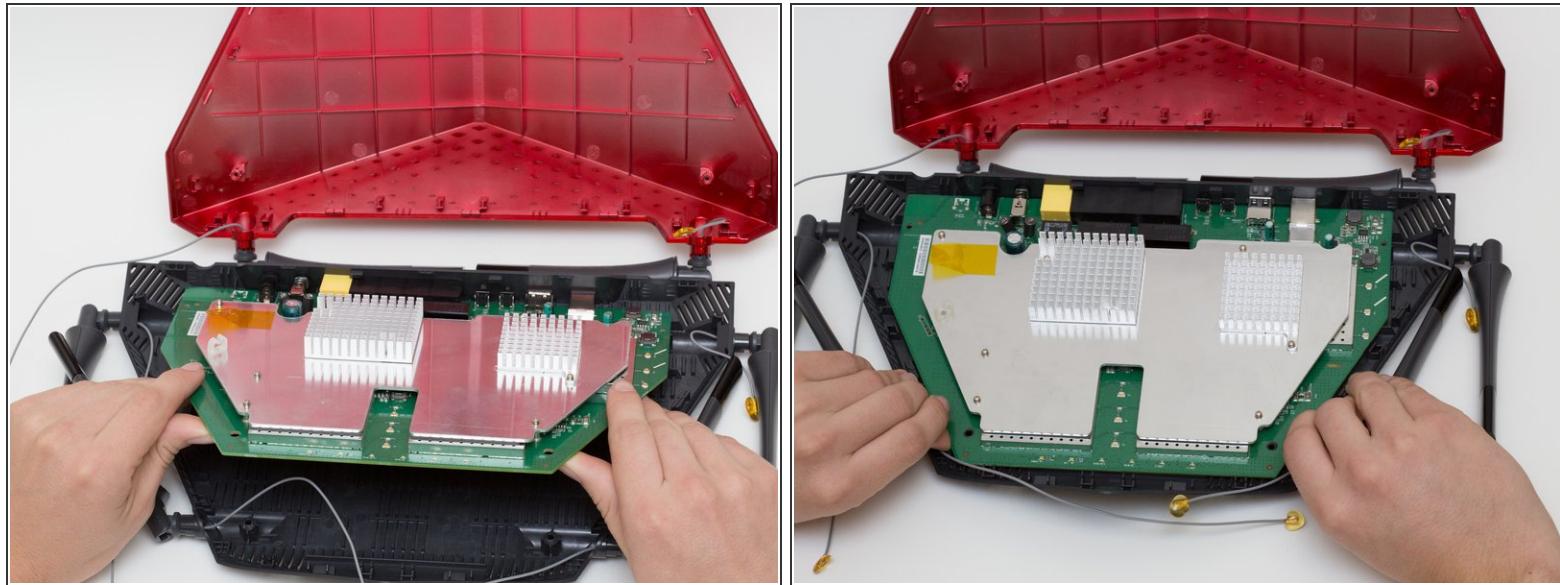
- Open the plastic bracket enclosing the three antenna wires and pull the wires out with your hands.

Step 8



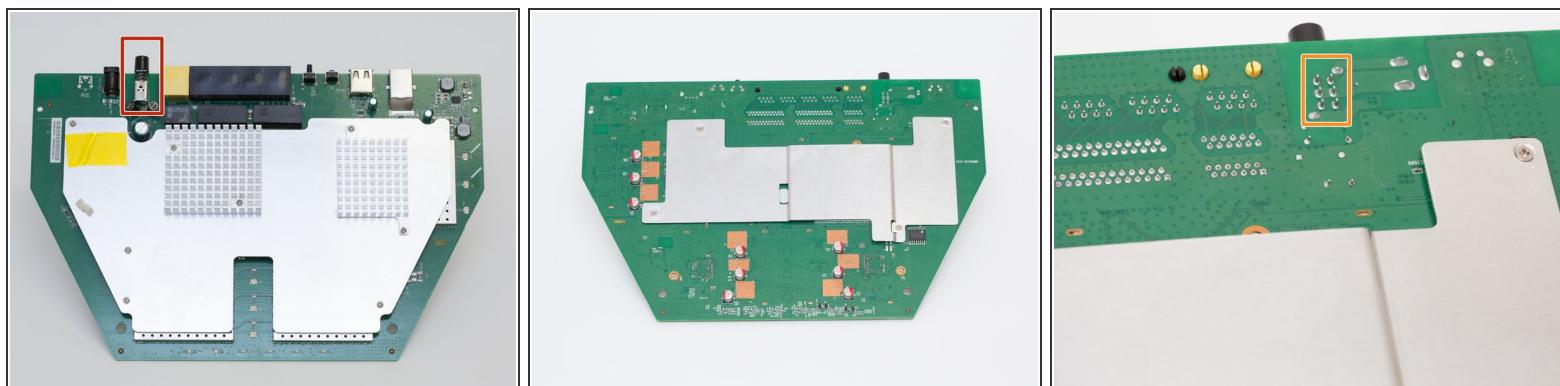
- Pull the yellow tape off of the motherboard to release the final antenna wire.

Step 9



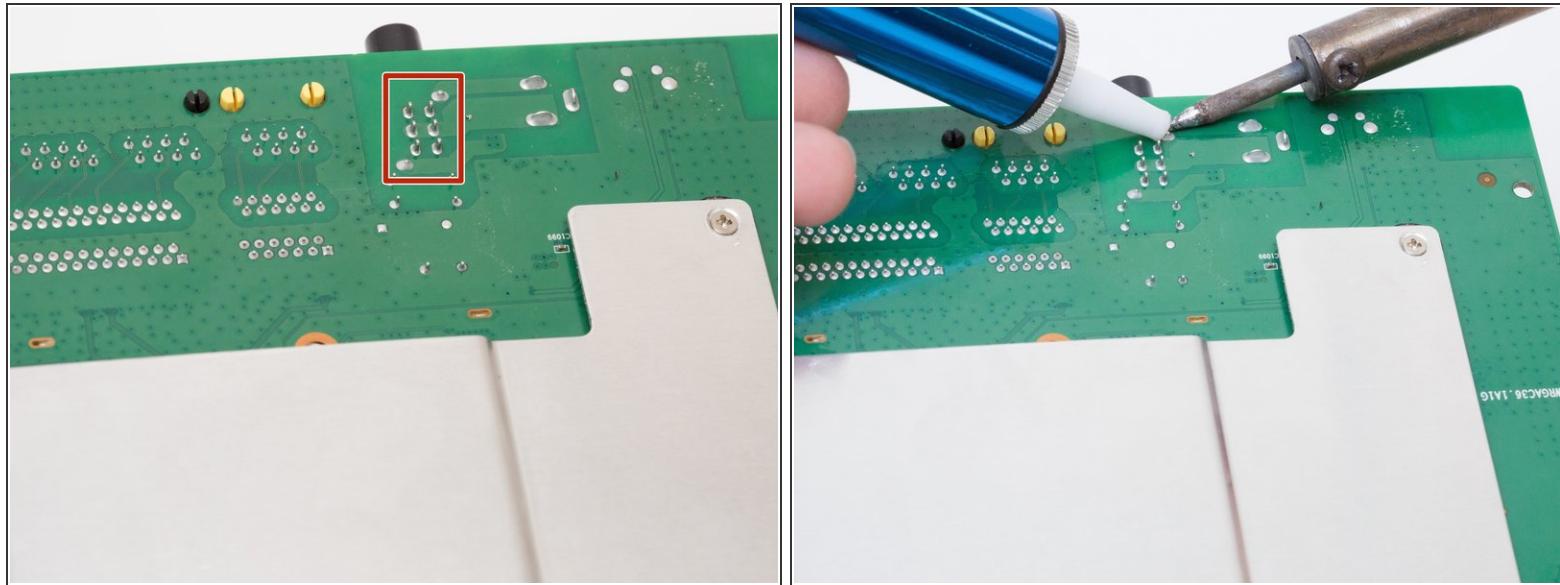
- Pull the the motherboard away from the case to remove it. Start on the side closest to you, and pull up and out.

Step 10 — Power Switch



- Locate the power switch on the top left of the motherboard.
- *(i)* The power switch is the component that sticks out the furthest.
- Turn the motherboard upside down.
- Locate the 6 solder joints that connect the power switch to the motherboard. They are arranged in 2 columns of 3.

Step 11



- Using a soldering iron and desoldering pump, desolder the power switch from the board.
- i* For more information, see [this guide](#) on desoldering.

To reassemble your device, follow these instructions in reverse order.