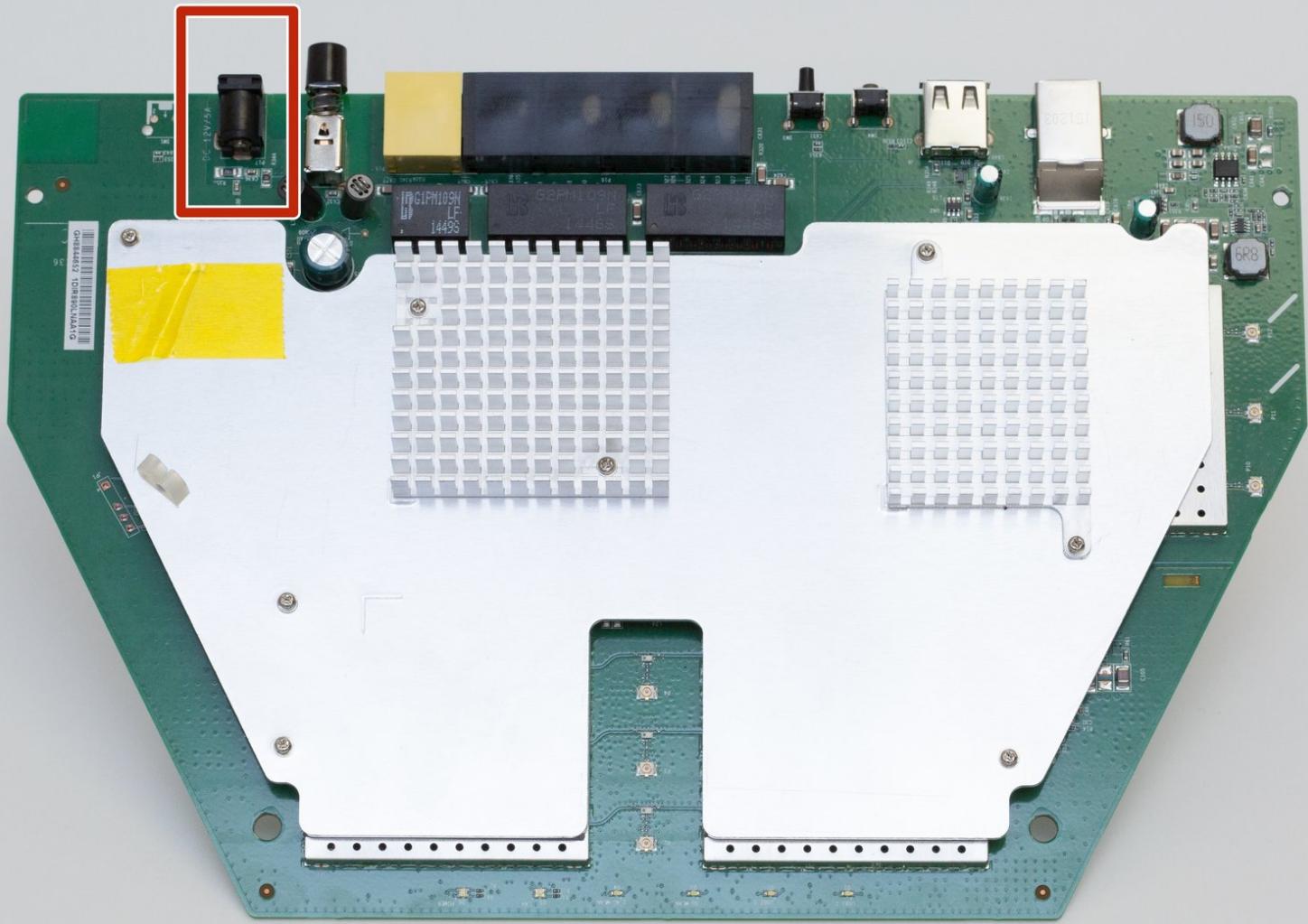




D-Link DIR-890L Power Adapter Port Replacement

If you can not plug the power adapter cable into the power port, your power port may be broken. Follow this guide to replace it.

Written By: Rachel Shaw



INTRODUCTION

The power adapter port is on the back of the router. This is where the power cable plugs into your router, and then plugs into the wall. If this port is damaged in any way, the cable cannot be plugged in and thus you will not be able to give power to your device.

This guide requires desoldering, which is an advanced skill.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #1 Screwdriver](#) (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



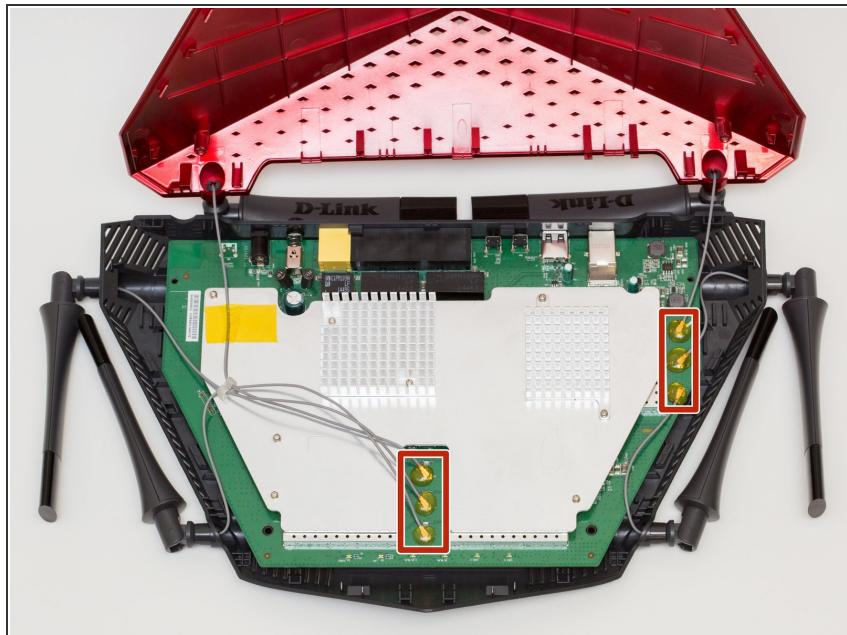
- Unscrew the 5mm screws in each corner using the Phillips #1 screwdriver.

Step 3



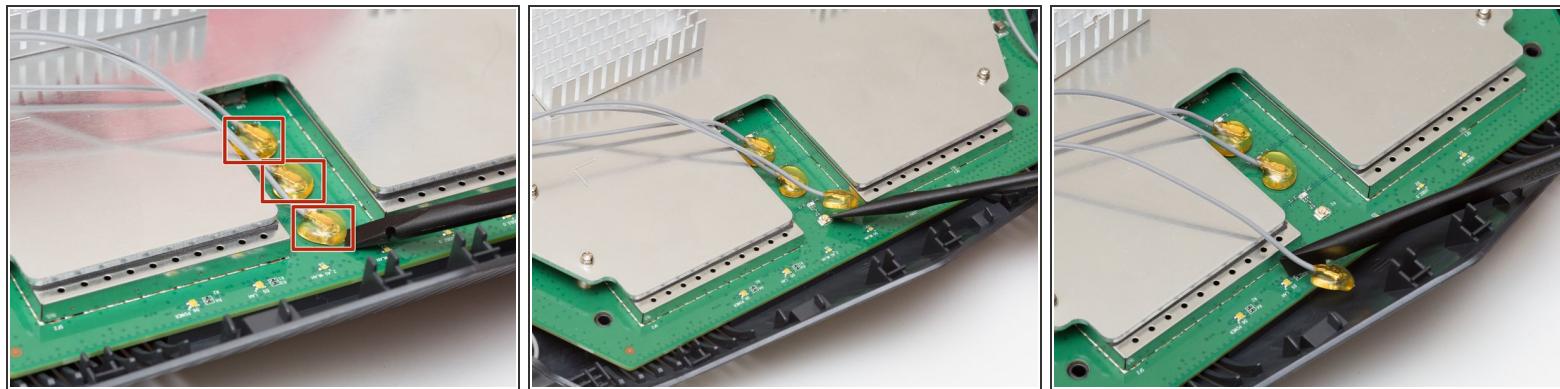
- Wedge the opening tool between the red top panel and the gray bottom panel.
- Twist the opening tool to separate the panels. Work your way around the case until both of the panels are separated.

Step 4 — Motherboard



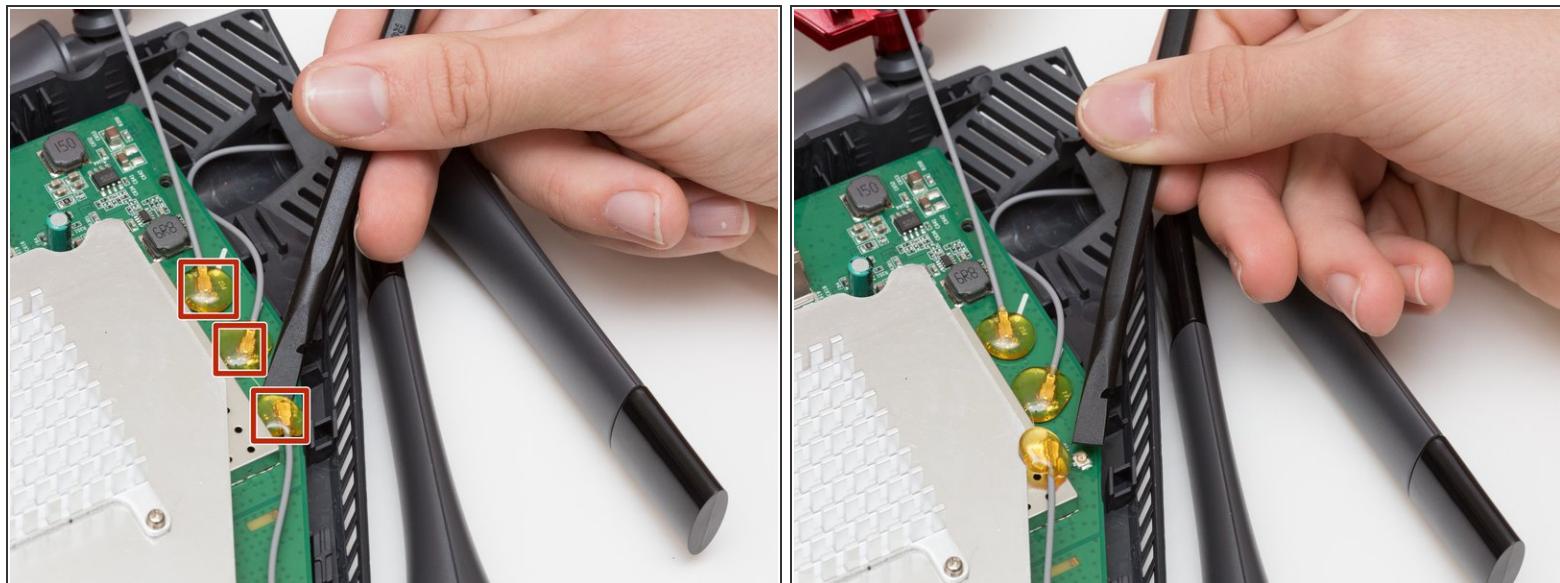
- Orient the router so the narrow end of the router faces you and the ports face away from you.
- The six, hot-glued antenna connections are in the middle and at the top right of the motherboard.

Step 5



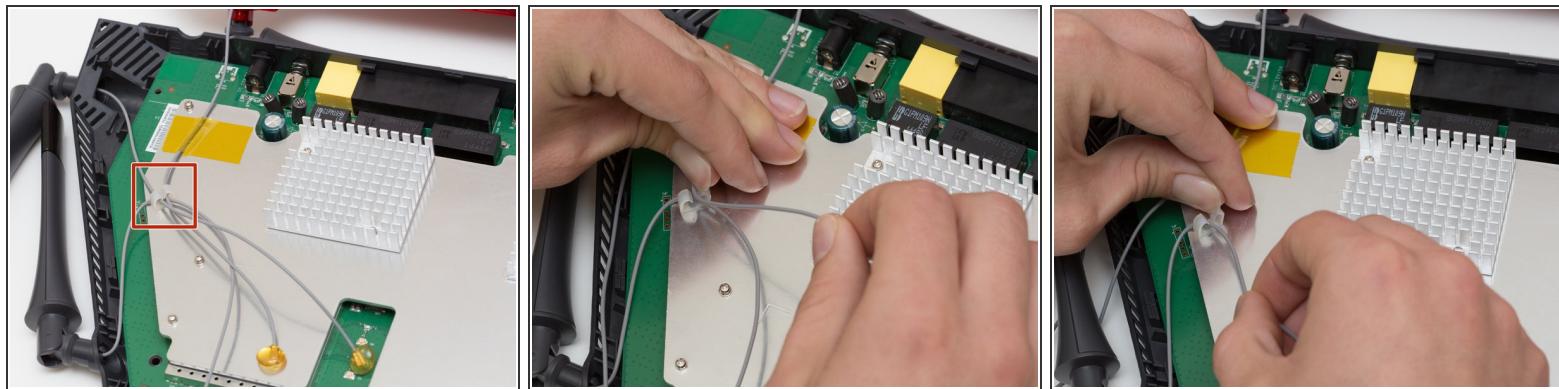
- Pry off the antenna connectors using a heavy-duty spudger.

Step 6



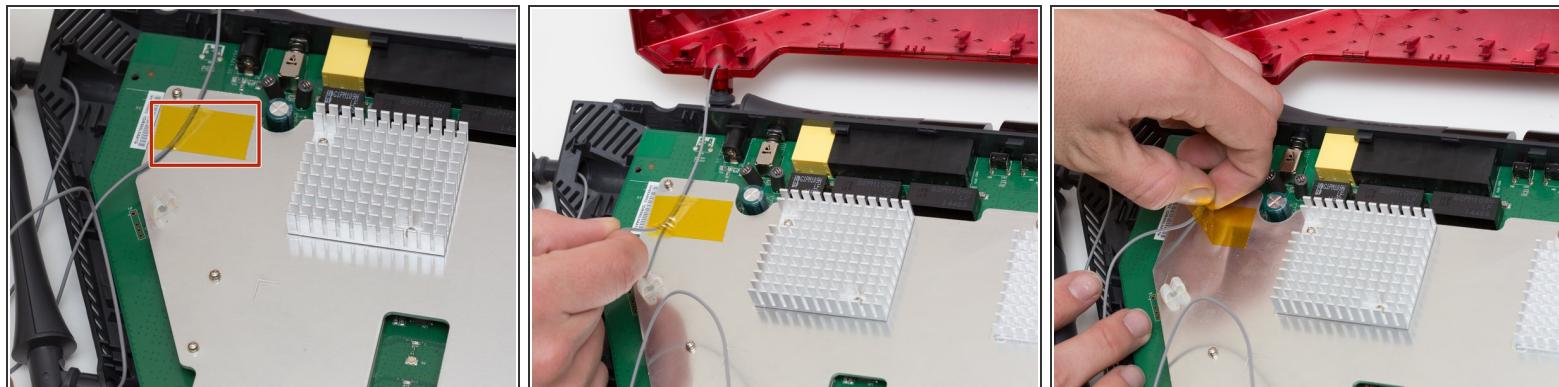
- Continue to pry off the last three antenna connections on the upper right portion of the motherboard.

Step 7



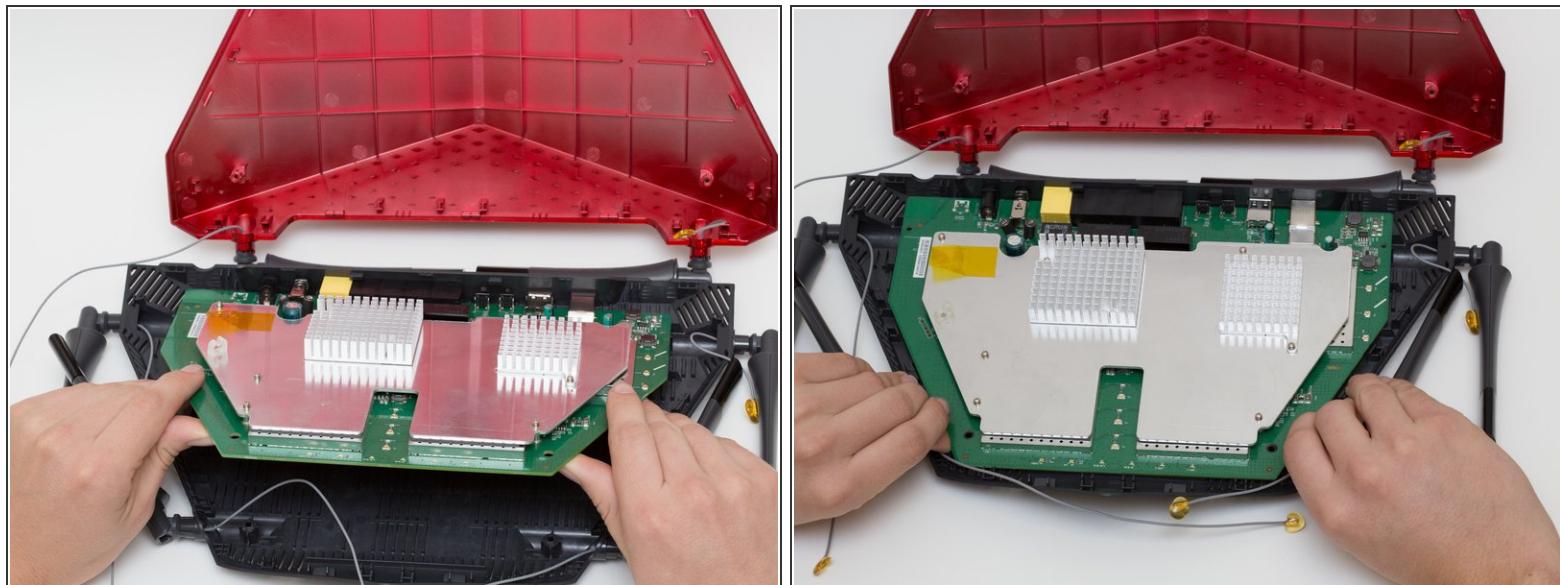
- Open the plastic bracket enclosing the three antenna wires and pull the wires out with your hands.

Step 8



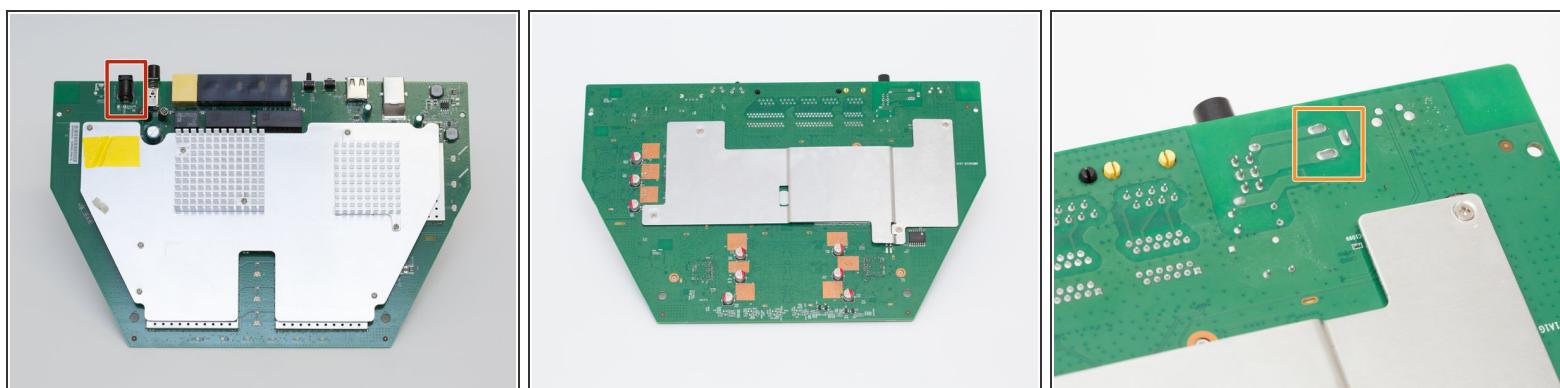
- Pull the yellow tape off of the motherboard to release the final antenna wire.

Step 9



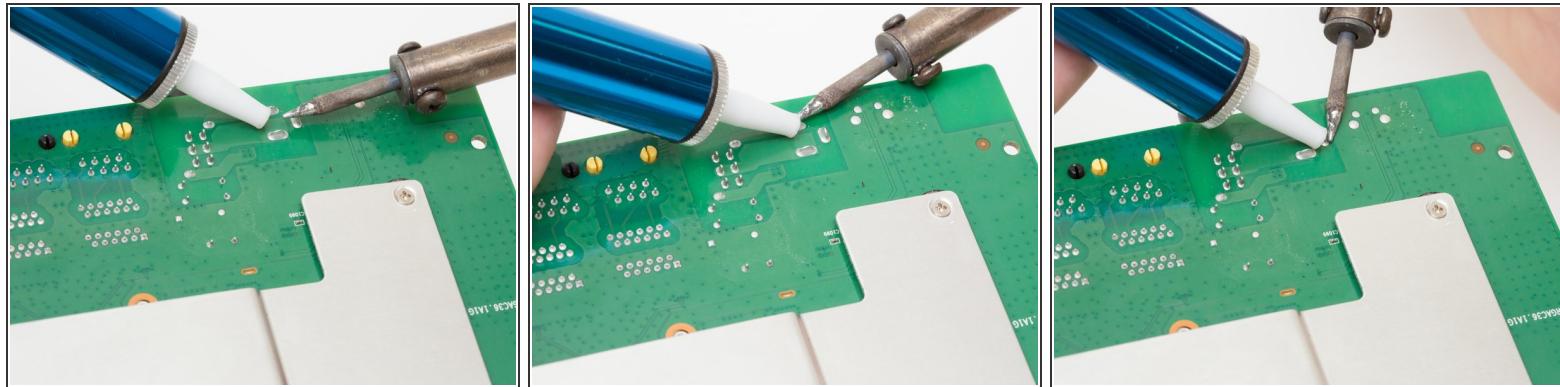
- Pull the the motherboard away from the case to remove it. Start on the side closest to you, and pull up and out.

Step 10 — Power Adapter Port



- Locate the power adapter port at the top left of the motherboard.
- Flip the motherboard over.
- Locate the 3 solder joints that connect the power adapter port to the motherboard.

Step 11



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

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