

# **Linksys WRT54G Teardown**

This guide will give you a look at the internals of a Linksys WRT54G Router.

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# **INTRODUCTION**

I will teach you how to dissemble this Router



# **TOOLS:**

- Phillips #2 Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)

### Step 1 — Get your Linksys





 The Linksys WRT54G series is a series of Wi-Fi gateways manufactured by Linksys, a subsidiary of Cisco Systems.

## Step 2 — Antenna Removal



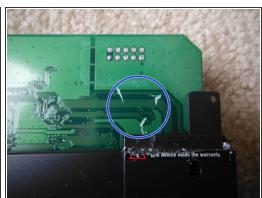


• Let's begin with the teardown! First, unscrew the antennas from the back of the router and set them aside.

### Step 3 — Front Panel Removal







- Lets get into the internals! First, flip the unit over and insert a small flat-head screwdriver in between the warranty sticker and the front panel and gently pry it open.
  - Beware! It may take some effort to pry the panel off. Also, be careful not to damage the motherboard, like I did.
  - (i) This will certainly void your warranty from 2002, in case you wanted to know.

# Step 4 — Remove Top Panel







- Now, slide the top plastic panel off and put it aside you now have a clear view of the motherboard.
- Intel TE28F320 Flash Memory
- Broadcom BCM4712KPB (I think it's a modem chip)
- Admtek ADM6996L Ethernet Controller
- Activity LEDs
- Issi 42S16400-6T Random Access Memory (unsure how much)
- An assortment of other chips I couldn't find.

### Step 5 — Remove Motherboard







- Time to remove the motherboard! Unscrew the single Phillips screw, slide the motherboard and then lift it out.
- Single Phillips screw
- Plastic slips holding the motherboard in place.

### Step 6 — Done!



- You're done! Thanks for sticking with me for my first teardown!
- If you want to reassemble this, just do this guide in reverse order! (assuming you didn't break it like I did)