



# Linksys WRT54G Teardown

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

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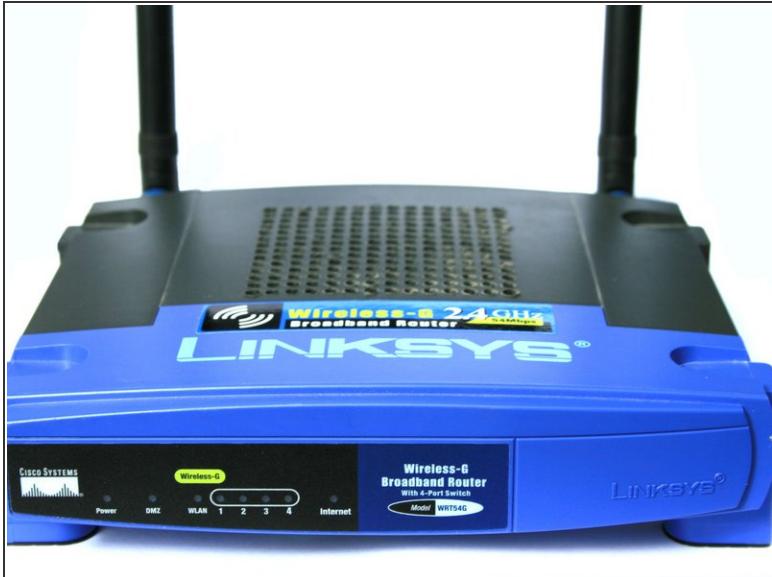
# INTRODUCTION

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.
-  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)