

This for Linksys WRT54G2 v1.1 only. For WRT54G2 v1.0, see [Linksys WRT54G2 v1.0](#).

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## Hardware Specifications

- FCC ID: Q87-WRT54G2V11
- Industry Canada ID: 3839A-WRT54G2V11
- Power: 12 VDC, 0.5 A
- CPU: Atheros AR2317
- Flash (ROM) / RAM: 4 MiB / 16 MiB
- Wireless chip: Atheros AR2317
- Wireless protocols: bg
- Antenna connector: none
- Ethernet: Atheros AR2317
- Switch: Atheros AR8216
- LAN / WAN: 1 / 4 @ 10/100 Mb/s

## Builds

Supported was added with build 12427: not recommended, see [Where do I download firmware?](#) for more info.

## Installation

[linksys-wrt54g2v11 folder \(14929\)](#): flashing.txt instructions for updating RedBoot and loading dd-wrt are below.

Since Linksys (or the firmware vendor, maybe gemtek or cybertan) disabled networking within the redboot bootloader (and also the partition management), we must replace it using a serial console (baudrate 9600).

First set a static IP (e.g. 192.168.1.72) then run a local [tftp](#) server.

- Enter the following line into the redboot with serial console to enable network access:

```
ip_address -l 192.168.1.1 -h 192.168.1.72
```

- Start a new redboot:

```
load -r -b 0x80041000 redboot_ap65.ram  
exec
```

- Start the new bootloader:

```
fis init
load -r -b 0x80080000 redboot_ap65.rom
fis create -l 0x10000 -e 0xbfc00000 RedBoot
reset
```

- Create linux partition:

```
fis init
load -r -b 0x80041000 linux.bin
fis create linux
```

- Configure the bootscript with fconfig:

```
the script must be
fis load -l linux
exec
```

- Save the config and type "reset" again to boot up the system

To enter the redboot console with this new bootloader you must push the reset button. This will also allow tftp recovery mode to send a dd-wrt webflash file, using tftp to the bootloader for flashing.

## Reference

[Forum thread regarding an eko build](#), but the original eko build folders have disappeared