

Flashing the WRT54G/S/L with DD-WRT

Contributed by Kevan

These pages are from the DD-WRT wiki

Steps to flash through Web Interface

Note for users not using the original linksys firmware: you cannot use tftp! Change your firmware to the official linksys firmware, and then continue below.

1) Download firmware

- Read the information about the
 - Download the latest release or pre-release version [HERE](http://dd-wrt.gruftie.com/dd-wrtv2/index.php?link=downloads) (<http://dd-wrt.gruftie.com/dd-wrtv2/index.php?link=downloads>) or go to the DD-WRT homepage at <http://www.dd-wrt.com/>
- Note: use the mini version when upgrading from original linksys firmware!
- Extract the archive.

2a) Reset through the Web Interface

if you forgot the password or IP of your router, proceed to step 2b.

- From a PC connected to one of the 4 LAN ports on the router open a web browser and go to the IP of the router (default IP is 192.168.1.1).
 - You will be prompted for username and password. Username is not required (for versions as of 31.02.06 the username is root). Enter password (default password is admin) and you should be at the Web Interface of your WRT54G/GL/GS
- Click the "Administration" tab.
 - Click the "Factory Defaults" sub-tab.
 - Select "Yes".
 - Click the "Save Settings" button.
 - A new page will open, click "continue".

2b) Reset to factory defaults

- Press and hold the reset button on the back of the router for 30 seconds. This will clear your NVRAM, the configuration and reset the password to admin. Remember the username is root.

3) Upgrade Firmware

Do not turn off the computer, close the web browser, or turn off the router during this process!!!!

- From a PC connected to one of the 4 LAN ports on the router open a web browser and go to the IP 192.168.1.1.
- You will be prompted for username and password. Leave username blank, enter password admin. Now you should be at the Web Interface of your WRT54G/GL/GS.
- Click the "Administration" tab
- Click the "Firmware Upgrade" sub-tab.
- Click the "No reset" radio button (works for me, but please double check if "Firmware Defaults" would be better!).
- Click the "Browse" button and select the DD-WRT .bin file you extracted in step 1.
- Click the "Upgrade" button.
- The router will take a few minutes to upload the file, flash the firmware, and then reset.
- A new page will open, wait about 5 minutes before clicking "Continue".
- If flashed successfully you will now be at the DD-WRT web interface and the Router Name will be DD-WRT.

4) Reset to factory defaults AGAIN

- Repeat step 2 above. Note: step 2b (the manual way of clearing the NVRAM) is recommended to make sure the radio gets the correct parameters.

5) Enjoy

- It is strongly advised that you enable the "Boot Wait" option under the "Administration" tab. This will help you recover in the future should you flash your router improperly. If you use v23 or higher the "Boot Wait" option is enabled by default.