# Flashing the Netgear WNR3500L

This router requires a different approach to flash it with ROOter firmware. Due to restrictions in the factory firmware you cannot flash directly to the new firmware. Instead you must flash to an interim firmware and then use WinSCP and Putty with that firmware to complete the flashing operation.
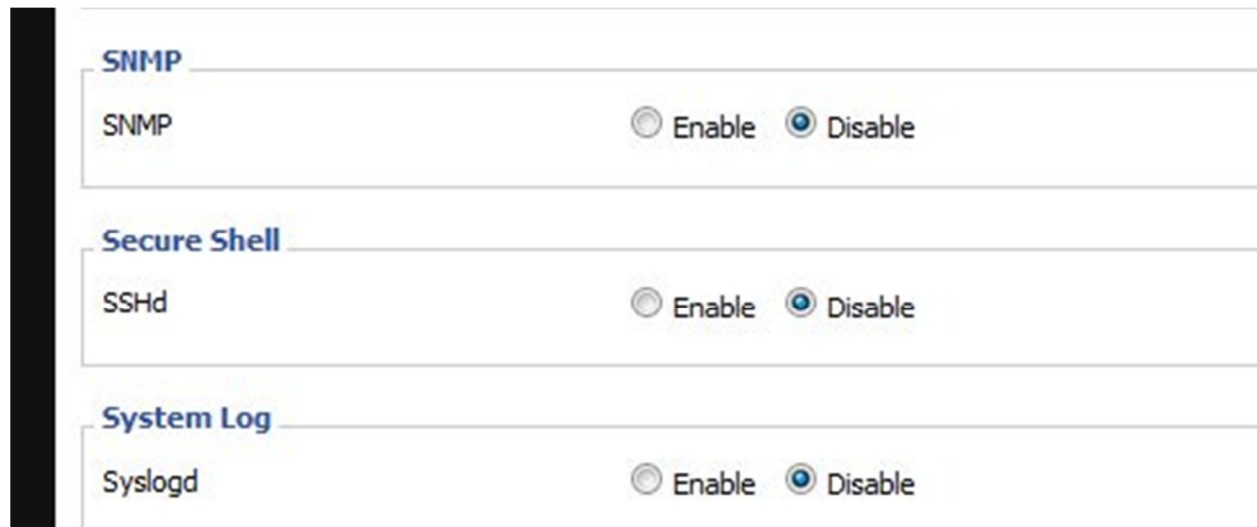
## Flash to an Interim Firmware

Log on to the factory web interface and use its Firmware Upgrade page to change the firmware to the *dd-wrt.v24-14311_NEWD-2_K2.6_mini-WNR3500L.chk* file. Allow the router to reboot and start running this firmware.

Use the web interface at 192.168.1.1 and enter a new name and password. These can be simple words, since you will be changing the firmware again.

In the web interface you must enable SSH access to the router. This is done in two places.

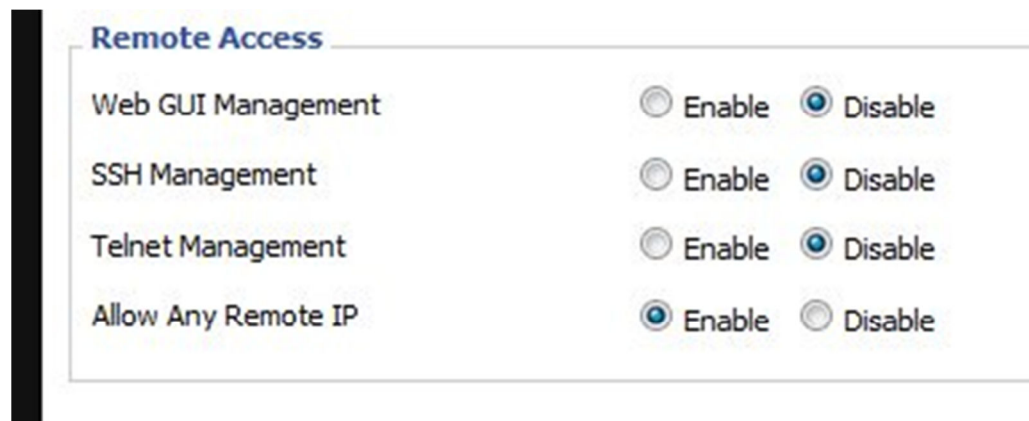First, go to *Services -> Services* and scroll down to the Secure Shell section.



Enable  **SSHd** and more options will appear. Leave them at their default settings and click on **Apply Settings**.

Next go to *Administration -> Management* and go to the *Remote Access* section.



Enable **SSH Management** and more options will again appear. Leave them at default and click on **Apply Settings**.

You are now done with the web interface.

## Flash to the ROOter firmware

To flash the router to the ROOter firmware we must copy it to the router's memory using WinSCP. Use WinSCP to log on to the router at 192.168.1.1, using the name and password you entered earlier.

Copy the *openwrt-WNR3500L-BW20130315.trx* file into the /tmp folder on the router. You may have to go up a few levels of folders to see the full directory tree, as you start in /root.

Close out WinSCP and start Putty. Log into the router at 192.168.1.1 using SSH. When asked, enter the name and password you created earlier.
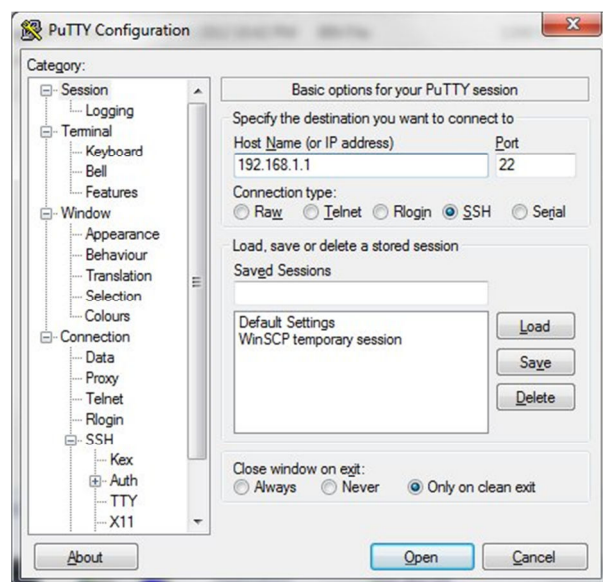
At the command line type the following.

```
mtd -r write /tmp/openwrt-WNR3500L-BW20130315.trx linux
```

It will show that the file is being copied and then Putty will close itself out. Wait for the router to finish with the flash and reboot sequence. You may have to reboot the router again before you can access the ROOter web interface at 192.168.1.1.