



## Contents

- 1 Hardware Specs
  - ◆ 1.1 Versions
  - ◆ 1.2 Flashing Instructions
    - ◇ 1.2.1 Initial DD-WRT Installation
    - ◇ 1.2.2 DD-WRT Upgrade
  - ◆ 1.3 Serial Recovery
    - ◇ 1.3.1 Serial pinouts
  - ◆ 1.4 More Information

## Hardware Specs

<b>CPU</b>	Broadcom BCM4706
<b>CPU Speed</b>	600 MHz
<b>Flash ROM</b>	128 MB
<b>RAM</b>	128 MB

<b>Radios</b>	2.4 GHz and 5 GHz
<b>WLAN Support</b>	a/b/g/n
<b>WLAN Max Speed</b>	450 mbps on 2.4Ghz and 450mbps on 5Ghz
<b>Antenna Location</b>	Internal
<b>Switch</b>	4x GigE LAN + 1 GigE WAN
<b>USB</b>	2x USB 2.0

## Versions

There are two (2) versions of the WNDR4500 which have different power adapters and take *different firmware*.

*Be careful to flash the correct firmware for your version!*

Version	WNDR4500 (v1)	WNDR4500v2
<b>Label on Router</b>	WNDR4500	WNDR4500v2
<b>Power Adapter</b>	12VDC 5A brick type with AC cord	12VDC 2.5A wall wart
<b>Netgear Support</b>	<u>WNDR4500</u>	<u>WNDR4500v2</u>
<b>Supported from DD-WRT build</b>	21606	21656
<b>Initial DD-WRT Flash</b>	<u>26138 mega for WNDR4500</u>	<u>26138 mega for WNDR4500v2</u>

## Flashing Instructions

Read the [Firmware FAQ](#) and [Peacock announcement](#) for reference on Broadcom-based routers. The ddwrt (mtd3) partition is 0x5F00000 (99614720) bytes (95.0 MiB).

### Initial DD-WRT Installation

To go from stock Netgear firmware to DD-WRT on a WNDR4500 (using router DHCP):

1. Connect PC to one of router's LAN ports *with no other network connections* to the PC.
2. Turn on router, wait for Power light to go green, then reset router:
  1. Hold down Reset switch with a straightened paper clip for 20 seconds.
  2. After releasing Reset switch, router should reboot with much flashing of lights.
  3. Wait for Power light to go green again.
3. Clear web browser cache.
4. In web browser, go to <http://192.168.1.1>
5. Click on Advanced > Administration > Router Update.
6. Select the trailed (with header) **.chk** firmware file you downloaded from table above.
7. Wait up to 5 minutes after router says it is done for it to reboot and Power light to go green again.
8. In web browser, go to <http://192.168.1.1>
9. Verify DD-WRT successfully installed.

## Netgear\_WNDR4500

10. Reset router (as above), and wait for router to reboot and Power light to go green again.
11. In web browser, go to <http://192.168.1.1>
12. Login and configure DD-WRT.

### DD-WRT Upgrade

Use the **.bin** file (.chk is not necessary) of desired build. See forum build threads and [the DD-WRT FAQ](#) for more info.

Firmware is in the root build folder: **netgear-wndr4500** or **netgear-wndr4500v2**, **not broadcom\***.

Follow Initial DD-WRT Installation procedure in the DD-WRT GUI: *Administration -> Firmware Upgrade*.

## Serial Recovery

After breaking CFE immediately after power-up, type `tftpd` then use a [TFTP](#) program to load OEM firmware.

### Serial pinouts

- WNDR4500v1: <https://forum.dd-wrt.com/phpBB2/viewtopic.php?p=663694#663694>
- WNDR4500v2 serial pins are on header J252 (pin1 is marked): pin2 = Rx, pin5 = Tx, pin6 = Ground

## More Information

WNDR4500 forum thread: [WNDR4500 \(N900\) supported?](#)