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Hardware Specs

CPU	Broadcom BCM4706
CPU Speed	600 MHz
Flash ROM	128 MB
RAM	128 MB

Radios	2.4 GHz and 5 GHz
WLAN Support	a/b/g/n
WLAN Max Speed	450 mbps on 2.4Ghz and 450mbps on 5Ghz
Antenna Location	Internal
Switch	4x GigE LAN + 1 GigE WAN
USB	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
Label on Router	WNDR4500	WNDR4500v2
Power Adapter	12VDC 5A brick type with AC cord	12VDC 2.5A wall wart
Netgear Support	<u>WNDR4500</u>	<u>WNDR4500v2</u>
Supported from DD-WRT build	21606	21656
Initial DD-WRT Flash	<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?](#)