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Versions

The Netgear WNDR4300 is a powerful consumer simultaneous dual band 802.11 a/b/g/n router, sporting a fast Qualcomm Atheros (v1 & v2), good routing performance and transmit power capability, and a USB 2.0 port. To date there are 2 hardware revisions of this router, v1 & v2. v2 is not supported and there is no ETA, both of which requires its own firmware build, whether you use stock firmware or DD-WRT. Installation of DD-WRT is very simple and can be done in a few steps.

Note: factory.img is for worldwide (ALL!) units flashing from NETGEAR firmware to DD-WRT, or recovering from TFTP mode. Webflash is from upgrading an existing DD-WRT firmware to a newer build via update firmware option.

v1

v1 units are not labeled at all and are just called "WNDR4300".

Download DD-WRT for the WNDR4300 v1 from here:

World Wide (WW):

<ftp://ftp.dd-wrt.com/betas/2014/02-04-2014-r23503/netgear-wndr4300/wndr4300-factory.img>

Netgear_WNDR4300

Web Flash BIN:

<ftp://ftp.dd-wrt.com/betas/2019/02-04-2019-r38570/netgear-wndr4300/wndr4300-webflash.bin>

Do not consider these build recommendations, check New Build threads for recommendations.

See [Where do I download firmware?](#) for links.

Note: If you try to install DD-WRT **later than r23503** on v1 with initial factory firmware, the update will eventually fail with "CGI timeout error" Work-around for this problem is to first flash to DD-WRT using the r23503 build factory file provided above, then upgrading to the latest DD-WRT using the webflash from within DD-WRT GUI.

v2

v2 units are labeled on the side of the box, in firmware, & under the router as "WNDR4300v2". Further info is TODO.

If you have a WNDR4300 v2, download from here following the same flashing steps:

World Wide (WW): TODO

Web Flash BIN: TODO

DD-WRT Installation

- **Flashing:** Make sure you are connected to the router with an Ethernet cable. (Do not flash over a wireless connection.) Then upgrade to DD-WRT firmware through the router's Web interface. The process will take a few minutes. Do not interrupt the upgrade process -- wait at least 1 minute after 100% is reached.
- **Checking:** Wait while the router reboots. The lights should flash, and eventually the status light should go solid green. Then open <http://192.168.1.1> in a Web browser, and if a DD-WRT screen appears, flashing is complete and successful.
- **Reset:**
 - ◆ Press and hold the Reset button for ~10 seconds and then release it.
 - ◆ Or the second way is to go into the gui and reset back to factory defaults
 - ◆ Or the third way is to Telnet/SSH in and issue the command: NVRAM ERASE && REBOOT
 - ◆ **DO NOT 30/30/30 reset this router or you risk bricking it forever!**

To restore from the brick TFTP the stock firmware or a known working build of DD-WRT back from it (-factory.img file). To upgrade to a newer build of DD-WRT, use the web interface and selecting the "wndr4300-webflash.bin" file instead. Also, if you do partially brick your router, use [this page](#) or see the very last FAQ question at the bottom of this page, to unbrick it.

Now that DD-WRT is fully installed and NVRAM is cleared, ensure your PC does not have any internal static IP then point your browser to 192.168.1.1, this is the DD-WRT default IP and can be changed to any IP you like. You should be at the username and password screen, set them accordingly then proceed to setting up DD-WRT.

Specifications

Feature	v1	v2
CPU	Atheros AR9344 560 MHz	Qualcomm Atheros QCA9563 750 MHz
RAM	128 MB	128 MB
Flash	128 MB	128 MB
Switch	Atheros AR8327	Qualcomm Atheros QCA8337N
Radios (2.4/5 GHz)	Atheros AR9344 / Atheros AR9580	Qualcomm Atheros QCA9563 / Atheros AR9580
Max TX Power (2.4/5 GHz)	26 dBm / 24 dBm	???? TODO

Max TX Power assumes used regulatory domain is Canada/USA/Haiti. Others may or may not allow higher TX powers (up to 30 dBm).

FAQ

See [Firmware FAQ](#) first before posting a question in the forums.

Q: After flashing DD-WRT, the LAN LEDs are now green for 10/100M and orange 1000M? (v1/v2 only)

A: This is an intentional change by the DD-WRT developers, Netgear had the colors backwards as gigabit is usually orange (check any other NIC!).

Q: I heard some WNDR3700 radios were dying shortly after flashing DD-WRT? Does the firmware damage routers?

A: No DD-WRT does not damage routers, there is also reports as said above, of WNDR3700's having weak wireless even when DD-WRT was never put on it. It is a faulty hardware issue.

Q: Is there going to be a special version of DD-WRT for this router?

A: No, there are no special versions anymore except for Buffalo routers.

Q: Is it possible to restore the factory or stock firmware that came with my router?

A: Yes. Refer to [WNDR3700: Restore Factory Firmware in Five Easy Steps](#). This also works the same for WNDR4300, just be using the proper WNDR4300 files instead & make sure to have the ethernet cable plugged into the router & PC BEFORE putting it into TFTP or it WILL NOT WORK.

Unbricking

See [Reinstall the firmware on a router without the setup CD recovery tool](#)