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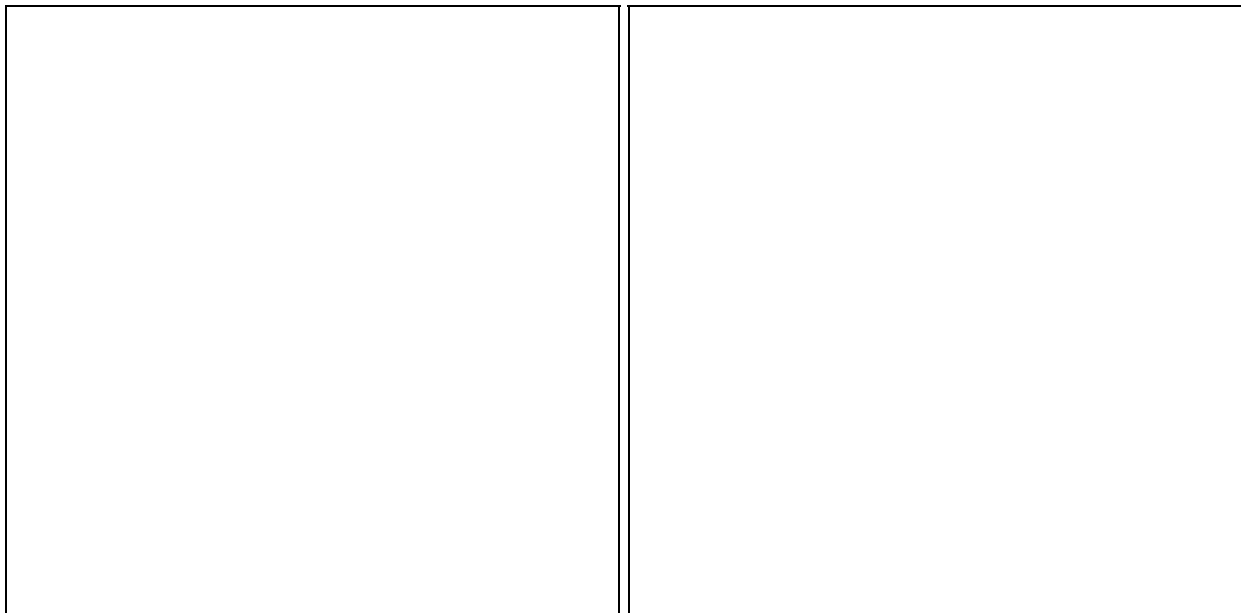
Preliminary

As of (June 30, 2012) the DD-WRT Router database says CPU BCM5356, 16Mb RAM and 4Mb flash, but it is BCM5357, 32Mb RAM and 8Mb Flash. For one, all ASUS original firmwares are >4Mb Flash

For basic routing, at basic speeds (<50-80Mbps internet connections), this is an inexpensive, stable and good router choice, to use with DD-WRT (and other 3. party firmwares).

For basic routing purposes, I have been using this router for months and months (build 19342 - mini) without glitches. --[Alvin](#) 2014/aug/29
Avoid build 22118 Wireless is broken
OpenSSL Heartbleed fix is only added in changeset 23882.

Hardware



- 32Mb RAM
- 8Mb FlashRAM
- CPU BCM5357 @ 300MHz
- External 5 dBi antenna, changeable
- 802.11b, g & n (max 150Mbps wireless speed on 40MHz channel bandwidth)
- WiFi frequency: 2.4GHz
- Powersupply - DC Output : 12 V with max. 1 A current
- Buttons: WPS Button, Reset Button, Power Button
- 1x USB 2.0
- 4x LAN, 1x WAN

Installation Instructions

Please note: The RT-N10U does REQUIRE the **K26** Firmware builds as Broadcom has not released drivers for the non-K26 builds. (Read more here: [Recommended Firmwares](#)). You can also try K3X builds on this router but make sure the build is less than **8 000 000 bytes**.

Find builds here: [Where do I download firmware](#)

Details of the DD-WRT firmware build variations are [found here](#)

Principle steps

- ◇ Restore Factory Default settings ([Clear NVRAM](#))
- ◇ Install the INITIAL ASUS RT-N10U version of DD-WRT (file name ends in **.trx** and has RT-N10U in the name)
- ◇ Restore Factory Default settings ([Clear NVRAM](#))
- ◇ "Upgrade" to your final version of DD-WRT (filename ends in **.bin** or **.trx**, this is where you can upgrade from a K26 build to K3X)
- ◇ Restore Factory Default settings ([Clear NVRAM](#))

Note: OpenSSL Heartbleed issue seems to have been resolved with changeset [23882](#) / release [23919](#) --[Alvin](#), 29 August 2014

How its done via Web interface

- ◇ Open a browser to <http://192.168.1.1>
- ◇ Restore Factory Default settings ([Clear NVRAM](#)) via web menu: Advanced settings -> Administration -> Restore/Save/Upload Setting -> button Restore
- ◇ Upload the **.trx** file via the web menu: Advanced settings -> Administration -> Firmware upgrade
 - First RT-N10U specific build for initial upload:
[dd-wrt.v24-16994_NEWD-2_K2.6_mini_RT-N10U.trx](#)
 - Current Build for initial upload:
[dd-wrt.v24-21676_NEWD-2_K2.6_mini_RT-N10U.trx](#)
- ◇ Wait for the router to re-boot on its own. For however long it takes. It typically takes between

Asus_RT-N10U

3 to 15 minutes to complete this process.

- ◇ When the router is re-booted on it own, open a browser to <http://192.168.1.1>
- ◇ set *root* for user name, and select any password
- ◇ Restore Factory Default settings (Clear NVRAM) via DD-WRT web menu: Administration -> Factory Defaults -> yes -> Apply settings
- ◇ You are now running the mini version of DD-WRT. If that is good enough for your purposes, then you are done. If you however want to use a newer and/or different version
- ◇ you may now use the web interface to upload/upgrade to any DD-WRT firmware that can run on the RT-N10U, like:
 - First Mega build for RT-N10U: [dd-wrt.v24-16994_NEWD-2_K2.6_mega.bin](#)
 - Current Mega build: [dd-wrt.v24-21676_NEWD-2_K2.6_mega.bin](#)
 - Current Big build: [dd-wrt.v24-21676_NEWD-2_K2.6_big.bin](#)
- ◇ Upload the file via the web menu: Advanced settings -> Administration -> Firmware upgrade
- ◇ Restore Factory Default settings (Clear NVRAM) via DD-WRT web menu: Administration -> Factory Defaults -> yes -> Apply settings
- ◇ You are done. Enjoy using DD-WRT

How its done via Recovery Mode

ToDo.

For now, get inspiration from the [RT-N16](#) and [RT-N66U](#) recovery descriptions, as it is basically the same procedure for all the Asus RT-Nx routers.

Clear NVRAM on this unit

Also known as a "Hard Reset" or "Restore to Factory Default settings" - on most Asus units (and on this unit particularly) you need to use the WPS button, when turning on the unit, to do a hard reset.

- Turn off power to the router.
- Push-and-hold the WPS button
- Turn on power - while still pushing the WPS button
- After power on, keep the WPS button pushed for some seconds (I prefer 10 seconds)
- Release the WPS button, and the unit will reboot with default/"factory" settings

Upgrade to newer DD-WRT

- Restore Factory Default settings (Clear NVRAM)
- use the DD-WRT web gui: Administration -> Firmware upgrade
- Restore Factory Default settings (Clear NVRAM)

Links and Notes

- [Forum: Asus RT-N10U - questions](#)
- [Forum: Asus RT-N10U inside + DD-WRT](#) with hardware details and pictures
 - ◆ [Forum: Asus RT-N10U inside + DD-WRT](#) Replacing 32Mb Ram with 64Mb Ram chip
 - ◆ [Forum: Asus RT-N10U inside + DD-WRT](#) RT-N10U_Black Hardware details
 - ◆ [Forum: Asus RT-N10U inside + DD-WRT](#) Show CPU temperature on a web page
- [wikidevi.com: About RT-N10U Black](#)
- [Forum: Is ASUS RT-N10U a good buy ?](#)
- [Forum: What is a good, basic and inexpensive DD-WRT capable Router?](#)

Issues

- PPPoE: works in [19342-mini.trx](#) & [24461-mini.trx](#), but not in [24461-mini-usb.bin](#) --[Alvin](#) 07:31, 29 August 2014 (CEST)
- Wireless is broken (on K26 builds) somewhere between release [21676](#) and [22118](#) --[Alvin](#) 09:34, 29 August 2014 (CEST)
 - ◆ see also ticket(s) [3151](#) and [3377](#) and [3460](#) and [3496](#)
 - ◆ and forum [New build is out 22118 \(BS\) K2.6 and K3.X](#)