

Install DD-WRT on Linksys EA6500

NOTE : THIS IS FOR V1, read comments Regarding V2. Untested as I have V1 only.

The [Linksys EA6500](#) is a great piece of hardware that came with bad firmware IMO. But its been on eBay refurbished for some time now for ~30\$!! So that is a steal, currently I have 2, one as a wireless repeater with the TX increased on both to 100 and it works like a charm! *Read guide at bottom about Wireless Repeaters*

This is not for the faint of heart! It took me multiple tries (<10) to get DD-WRT to take and I have tested with 2 separate routers. But I was successful both times eventually! If you aren't familiar with this content a bit, I'd stay with default FW. Also Read entire guide and download all files before disconnecting from Internet!

1. Disconnect from Internet and hardwire in via one of the 4 LAN ports
2. SET STATIC IP! (Check out how to [Change IP with .CMDs](#) to allow easy switching)
3. Navigate to Linksys WebGUI *Linksys default webpage is 192.168.1.1 pwd admin*
4. Usually you have to change your OEM firmware via Connectivity >> Manual "Choose File" >> YES I have read successful reports of using [FW_EA6500_1.1.27.144156_prod.trx](#) & [FW_EA6500_1.1.28.146856.SSA](#) but you can try [FW_EA6500_1.1.29.162351.SSA](#) as well
5. [Update] I recently used 1.1.29 + dd.wrt.23082 successfully, but again, its a hit a miss process.

Router Settings

- Connectivity
- Troubleshooting
- Wireless
- Security

View and change basic router configuration

Guest Network is OFF:

2.4 GHz SSID: Linksys23821-g
Password: BeMyG
Currently: 0 gu

Firmware Update

Automatic (Current Version: 1.1.29.162351)

Manual:
No file chosen

Important

Update firmware

During a firmware update your router reboots, causing all devices connected to the router to lose their connection to the Internet. The router and all connected devices will reconnect after the update completes.

Do you want to continue?

5. Try to upload A or B (This process is not 100% seems to be hit or miss, try different OEM FW and try different DD-WRT FW) (Smallest DD-WRT 1st, IE: ~21MB then update to newer ~24MB FW's)

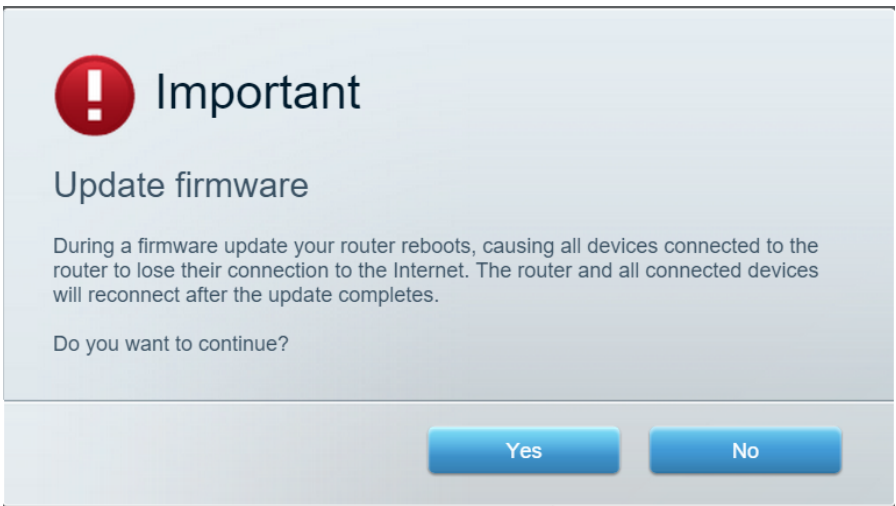
A) [dd-wrt-23082-ea6500.trx](#)

From <ftp://ftp.dd-wrt.com/betas/2013/>

B) [fractal-firstrelease-dd-wrt-K3x-22524-ea6500.trx](#)

From ftp://gakinaction.ddns.net/Fractal_Builds/

6. Once you get here, unplug Ethernet cord and reboot PC while router finishes. Then try accessing 192.168.1.1 once rebooted.



Important

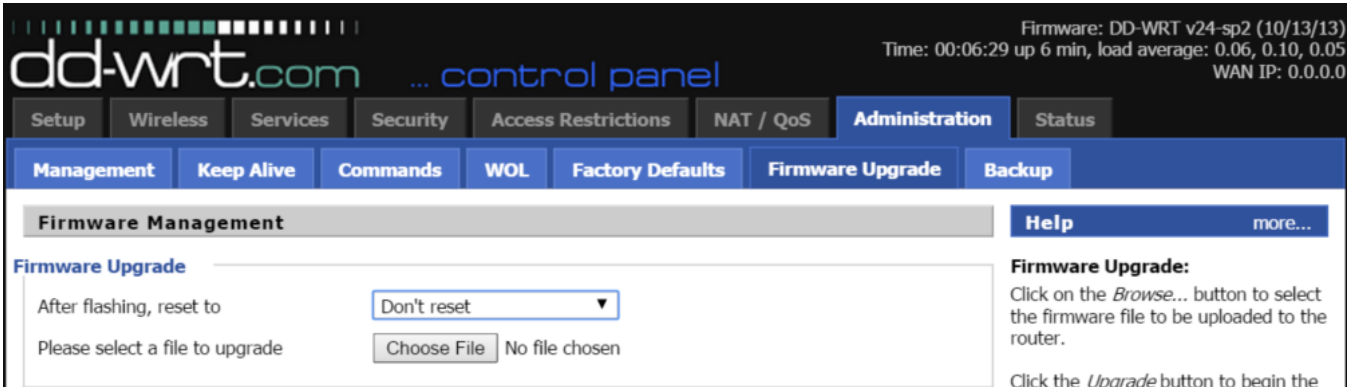
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Do you want to continue?

Yes No

7. Once it takes, you will get to DD-WRT Splash screen and now you can update (Administration >> Firmware Upgrade) to any version of DD-WRT for linksys EA6500.



dd-wrt.com ... control panel

Firmware: DD-WRT v24-sp2 (10/13/13)
Time: 00:06:29 up 6 min, load average: 0.06, 0.10, 0.05
WAN IP: 0.0.0.0

Setup Wireless Services Security Access Restrictions NAT / QoS Administration Status

Management Keep Alive Commands WOL Factory Defaults Firmware Upgrade Backup

Firmware Management Help more...

Firmware Upgrade

After flashing, reset to

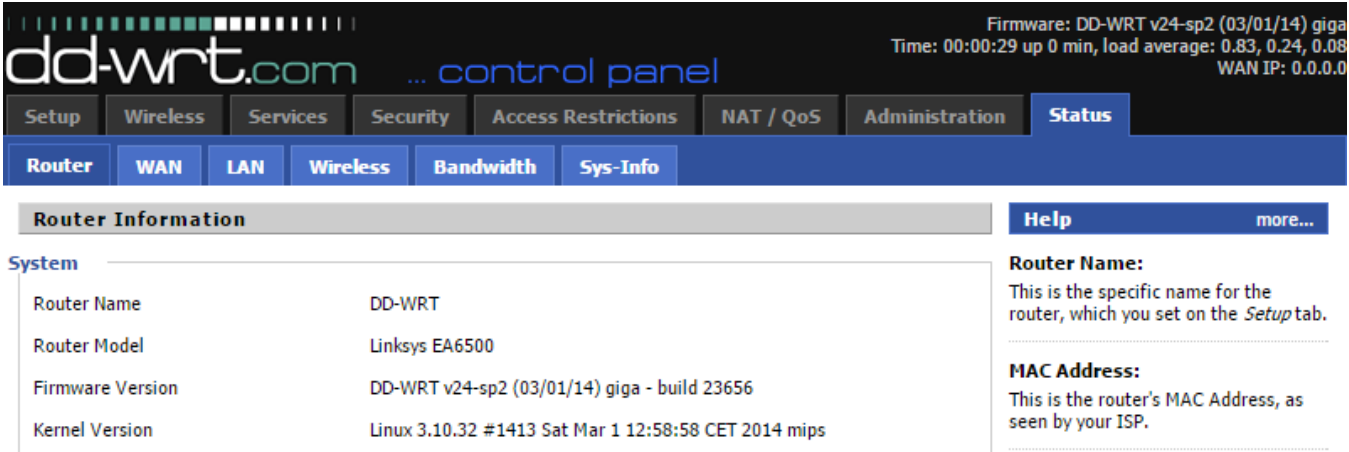
Please select a file to upgrade No file chosen

Firmware Upgrade:
Click on the *Browse...* button to select the firmware file to be uploaded to the router.
Click the *Upgrade* button to begin the

BrianSlayer ports @ <ftp://ftp.dd-wrt.com/betas/2015/>

Users have seemed to like the [27490-ea6500.trx](#) release. (Including me)

##First check version number to be able to confirm update.



dd-wrt.com ... control panel

Firmware: DD-WRT v24-sp2 (03/01/14) giga
Time: 00:00:29 up 0 min, load average: 0.83, 0.24, 0.08
WAN IP: 0.0.0.0

Setup Wireless Services Security Access Restrictions NAT / QoS Administration Status

Router WAN LAN Wireless Bandwidth Sys-Info

Router Information Help more...

System

Router Name	DD-WRT
Router Model	Linksys EA6500
Firmware Version	DD-WRT v24-sp2 (03/01/14) giga - build 23656
Kernel Version	Linux 3.10.32 #1413 Sat Mar 1 12:58:58 CET 2014 mips

Router Name:
This is the specific name for the router, which you set on the *Setup* tab.

MAC Address:
This is the router's MAC Address, as seen by your ISP.

9. To restore OEM Firmware follow steps to update firmware and just select OEM hardware from step #4.

10. Do a 30-30-30 reset to make sure it really stuck, you'll have to do it at some point probably, better now than at a mission critical point!