How to re-install a fresh version of Broadband Hamnet Mesh firmware

Sometimes as we use our Broadband Hamnet Mesh Nodes we add packages to the node that later we cannot seem to be rid of it or we have made so many changes to the node that starting over with a fresh load of the firmware binary is either the easiest or best option as the mesh node manager. If you try to install the Broadband Hamnet firmware over itself you probably will not be successful. However do not give up hope you can still get a fresh load of the firmware. Try this and I believe you will be happy.

1. Download and store the appropriate DD-WRT Firmware Binary for your router
    a. https://www.dd-wrt.com/site/support/router-database
    b. The 'mini' version is adequate to accomplish this task
2. Download and store the 'TFTP' ftp program.
    a. http://presys.com/~khedgepe/tftp/tftp.exe or
    b. http://raspberrypi-lamp/tftp.exe if on the mesh network.
3. Download and store the appropriate Broadband Hamnet Firmware Binary for your router
4. Change your computer's NIC to a static IP Address
    a. Use IP address of 192.168.1.10
    b. Use Subnet mask of 255.255.255.0
5. Execute the TFTP software.
    a. Enter server address of 192.168.1.1
    b. Leave password blank
    c. Browse to the location of the DD-WRT Firmware Binary for your router and set the firmware to be loaded onto the router
    d. Set retries to 16
    e. **DO NOT** click on the 'Upgrade' box at this time
6. Remove power from the router and wait for 5 to 10 seconds.
7. Apply power to the router
8. Immediately click on the 'Upgrade' box in TFTP as quickly as you can.
9. Repeat steps 6 to 8 until the DD-WRT firmware is loaded on your router.
10. Reset your router by removing power and then applying power.
11. Change your computer's NIC to 'Obtain an IP address automatically.'
12. Log into your DD-WRT flashed router using your favorite internet browser
    a. Enter 192.168.1.1
13. Click on Administration tab
    a. If requested
        i. Use root for username
        ii. Use admin for password

14. Click Firmware Upgrade Tab
15. Browse to the location of the Broadband Hamnet Firmware Binary
16. Click on Upgrade
17. Wait for at least 5 minutes for firmware to fully load
18. Reset the router by removing the power and then applying power
19. Request a new IP address from the router when the power light is solid
    a. From a CMD prompt
        i. Enter ipconfig /release
        ii. Enter ipconfig /renew
20. Log onto the router
    a. Using an internet browser
        i. Enter localnode:8080
21. Click on setup
22. Enter a node name and password
23. Click 'Save Changes'
24. Repeat step 19

You now have a fresh load of the Broadband Hamnet Firmware on your router and you can start over adding packages and advertising services.

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