ThermIQ installation for D-Link DNS-325, DNS-323 and DNS-320, version 1.0

Installation prerequisites:

1. An out-of-the-box DNS-32x with updated fw and a formatted hard drive with a drive letter to the disk (DLINK/Volume_1) . Use the supplied setup utility to achieve this.
2. A ThermIQ card
3. An USB cable (A to mini-b)
4. ftp client, in windows: i.e filezilla
5. telnet/ssh client, in windows: i.e telnet.exe or Putty

Configuration (expect about 30 min-1h installation time)

Help and instructions in black
Actual commands in blue

The webinterface for DNS 325, DNS-320 and DNS-323 differs quite a lot, steps 1-5 is describing the DNS-325 interface. The same functionality exists on the others with a different structure.

Note, after some of the steps a reboot will be needed.

1. Hard reset the D-Link DNS 32x
   a. Shut down DNS-32x
   b. Remove Power adapter cable and network cable
   c. Insert/press down paper clip/pen-tip into RESET pinhole at back of DNS-32x next to ethernet socket (keep it held down)
   d. Insert power adapter, press Power button at front of DNS-32x, lights will come on
   e. Wait at least 10 seconds before releasing the RESET button
   f. Re-connect network cable
2. Login to D-Link web interface (user:admin password is empty) and click "Management"
3. Run the Setup Wizard to set
   a. Password of your choice
   b. Static IP (typical 192.168.1.xxx), subnet (typ. 255.255.255.0), gateway and DNS
   c. Name of DNS-32x to "DLINK", Workgroup and Description of your choice
   d. Enteremail settings, if unsure fill in dummy data but it's important that there's something.
   d. Wait until browser reloads
5. Under "Management" –"Account Management"
   a. User name: "joe", Password: "joepwd"
   b. None group
   c. Enable Read/Write access
   d. Enable FTP access
   e. Set 0 Quota
   f. Save user

6. Under “Management” – “Application Mangement”
    a. Select “FTP Server”
    b. Select “FTP Server Status”
    c. Start the FTP Server
7. Download the two fun-plug files to your local computer from:
   DNS-323
    a. http://www.inreto.de/dns323/fun-plug/0.5/fun_plug
    b. http://www.inreto.de/dns323/fun-plug/0.5/fun_plug.tgz
   DNS-320, DNS-325
    a. http://wolf-u.li/u/171/fun_plug
    b. http://www.inreto.de/dns323/fun-plug/0.5/fun_plug.tgz

8. Copy the two files to: DLINK/Volume_1
    a. Use ftp or Windows “Map network drive”

9. Reboot the DNS-32x from the webinterface
   System Management->System Settings->Restart
10. Start Telnet (or use Putty)
    a. in Windows by typing “telnet.exe” in “Search programs and files”.
    b. In Windows you might need to enable Telnet (“Control panel”-“Programs”- “turn Win features on/off”)

11. Open a Telnet session to your DNS-32x by typing “o IP-address” with the IP address from step 3b, login and do:

    a) Type “pwconv”
    b) Type “passwd root”
    c) Give root a new password and re-enter it
    d) Type “passwd joe”
    e) Give joe a new password and re-enter it
    f) Type “cd /ffp”
    g) Type “wget http://www.thermiq.net/ThermIQ_Client/pkg_dns32x/setup_script”
    h) Type “chmod a+x setup_script”
    i) Type “./setup_script 2>&1 | tee /ffp/thermiq_install.log”

Now files will be downloaded and installed (expect about 30 min depending on download speed). Wait until it has finished. Use ssh instead of telnet.

    a) Type “rm setup_script” to remove the script

12. Insert USB cable in the DNS-32x
13. Reboot
    a) Type “reboot”

Wait for the NAS to reboot then

14. Open link: http://ip-address:8080/check_install.php
    with the IP address from step 3b. See if all looks Ok.

15. Start ThermIQ interface from a web-browser by typing: “http://ip-address:8080” with the IP address from step 3b.
    Login with:
    a. User: “admin”
    b. Password: “manager”
    c. Select “Administration” in the bottom left corner of the index-page and configure the installation for your setup in “Basic Settings”
    d. Select “Databases” and generate a “New temporary DB” and do a “Dummy poll”.

16. Done ☺

Note, if you want to remotely run your ThermIQ, you can open your router/firewall using “port forwarding” for the ip-address and port above. But please be aware of the potential security risk this enables.