

Version 1.1
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Installing Weaved for ssh (port 22) and http (port 80) on the Netcomm Wireless NWL-25 or NTC-6200. Instructions written for NWL-25 but also applicable to NTC-6200 and NTC-140.

1. Login to the Netcomm NWL-25 (or NTC-6200/140) command line over SSH using login username "root" and password "admin" (default on NWL-25)
2. From the /root directory retrieve the file "netcomm.tgz" onto the Netcomm modem from the Internet repository at <https://github.com/weaved> by typing the command:

```
wget https://github.com/weaved/installer/raw/master/Netcomm/netcomm.tgz --no-check-certificate
```

3. Untar the file on the modem with the command:

```
tar -xvzf netcomm.tgz
```

4. Change directory to /weaved-netcomm:

```
cd weaved-netcomm
```

5. Run the installer from the modem cmd line. This will enable ports http 80 and ssh 22 on the modem for remote access using Weaved.

```
./install
```

6. **Important:** Reboot or power cycle the modem.
7. Type the following command to ensure the Weaved software is running:

```
ps | grep weaved
```

You should see an output similar (not exactly the same) as the text below:

```
root:~# ps | grep weaved
1048 root    2392 S   /usr/bin/weavedConnectd -f /etc/weaved/ssh.netcomm -x T22 -d
1155 root    2392 S   /usr/bin/weavedConnectd -f /etc/weaved/web.netcomm -d /var/run
4189 root    2884 S   grep weaved
```

NOTE: if you do not see two PIDs showing the string "weavedConnectd" then you need to manually start the Weaved programs after reboot the first time. This means the services did not auto-start on reboot the first time after installation. To

start the Weaved programs manually simply type both commands below in order to start the Weaved service for both ssh and web access.

```
/etc/init.d/rc.d/weavedSSH start  
/etc/init.d/rc.d/weavedWEB start
```

After entering the commands above, repeat the `ps | grep weaved` command from the beginning of Step 7 to ensure you see the proper output.

```
ps | grep weaved
```

The next time the modem is rebooted or power cycled the Weaved services will start up automatically. No need to manually start them ever again.

8. Connect a PC to the LAN Port of the Netcomm modem, thereby using the Netcomm modem as the PC's broadband connection to the Internet.
9. Open a browser on the PC and goto <https://developer.weaved.com/portal/login.php> to Sign In to your Weaved account. If you don't already have a Weaved account then use this link to create one. <https://developer.weaved.com/portal/index.php>
10. Follow instructions on the My Services page to register the ssh and http services on the Device List page after login at weaved.com

(**IMPORTANT:** for Step 10 you must use a browser running on a PC/Mac/Linux system behind the **same public IP Address** as the Netcomm modem itself. This is so weaved.com can auto-detect the unregistered ssh & http services on the modem coming from the same public IP address as the PC browser session. Any browser on a machine connected to the Internet through the modem will work fine.)

On your "My Services" page at developer.weaved.com you should see two "Register Now" messages in your browser screen highlighted with a green box around the message. Note the exact wording of the message in the green box may be slightly differently than the ones shown below.

We found an unregistered **HTTP** service on the **Edison** device on your network at **10.32.61.76**. Use [Register Now](#) to complete registration to your Weaved account.

We found an unregistered **SSH** service on the **Edison** device on your network at **10.32.61.76**. Use [Register Now](#) to complete registration to your Weaved account.

Now you can register the services to your account. Click “Register Now” to bind the unregistered services to your Weaved account. Give each service a name (you can change it later).

Now you can connect on-demand to the modem’s web GUI Admin console (default login root/admin) or the ssh service (default login root/admin) on-demand any device or computer with a browser and an Internet connection.