

1 WWLLN Service Unit v4 Initial Setup

Method 1: SSH Setup

The SSH setup method requires:

- Ethernet cable
- SSH capable computer

1. Connect SU to a host computer directly with an ethernet cable
2. Set host computer ethernet network settings to:

```
address: 192.168.10.1
gateway: 192.168.10.100
netmask: 255.255.255.0
```

3. SSH into the SU from host computer:

```
ssh -p 7777 sferix@192.168.10.2
password: [ ]
```

4. Set desired static ip configuration in file `~/networkSetup.sh`
5. `sudo ./networkSetup.sh`
6. Switch SU to main network ethernet within 1 minute of running `networkSetup.sh`
7. Test connection by SSH'ing into SU with new IP address
8. (a) If successful: set new IP setting in `/etc/network/interfaces`
(b) If unsuccessful: power cycle SU and check settings starting with step 3
9. Reset SU and confirm new settings

Method 2: Workstation Setup

The Workstation setup method requires:

- HDMI Monitor and cable
- **Powered** USB Hub
- USB Keyboard
- USB Mouse

1. Connect an HDMI display, keyboard and mouse
2. Set network information through GUI

Website Setup

Starting apache2

To get apache2 running only one change needs to be made in the `/etc/apache2/httpd.conf` file.

Line 96: `#ServerName www.example.com:80`

Needs to be uncommented and changed to the hostname of the computer, e.g.:

Line96: `ServerName bobholz-3.ess.washington.edu:80`

Then either the SU needs to be restarted or httpd and apach2 need to be restarted:

```
sudo httpd -k restart
sudo /etc/init.d/apache2 restart
```

Setting up the website

All changes to the website need to be made in the `/home/sferix/public_html_static` folder, this folder is copied to `/home/sferix/public_html` during start up. Changes to `public_html` are not saved as the folder is located in system RAM due to SD card read/write limitations. A restart is not necessary if the `public_html_static` contents are copied to `public_html`.