

Aim Tool for Mikrotik: Setup Diagram



Mikrotik Wireless System; e.g. LHG 5

Gets Wireless IP Address 44.x.x.x from remote Sector.

Configured with Ethernet IP Address 192.168.88.1.

Gets Power over Ethernet from 12 volt sealed lead acid battery.

To use Aim Tool, SNMP **must** be enabled on the Mikrotik device.

```
/snmp set enabled=yes
```

```
/snmp community set name=hamwan addresses=44.24.240.0/20,192.168.0.0/16 \
read-access=yes write-access=no numbers=0
```

Wireless WiFi Router

Gets power from 12 volt sealed lead acid battery.

Internet Port connected to Mikrotik LHG 5.

Gets IP Address 192.168.88.100

via DHCP from LHG 5.

LAN side of Router

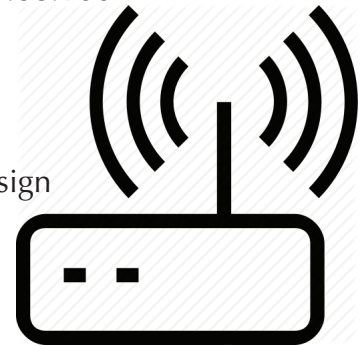
configured with

IP Address 192.168.0.1.

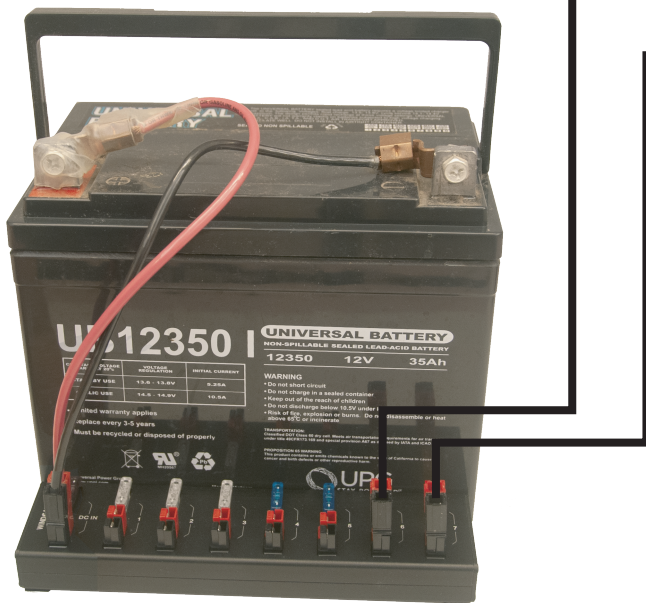
Router uses DHCP to assign

IP Addresses to WiFi

and Ethernet LAN Ports.



Power over Ethernet Injector



12 volt battery with Anderson PowerPole Connectors can power both LHG 5 and WiFi Router.



Tablet

Connects to WiFi Network provided by WiFi Router.

Gets IP Address (e.g 192.168.0.2) via DHCP from Router.

Aim Tool for Mikrotik app (Android & iOS) uses SNMP to monitor Mikrotik LHG 5. Router routes from 192.168.0.x network to 192.168.88.x and 44.x.x.x networks.



Herb Weiner
herbw@wiskit.com
<http://www.oregonhamwan.org>