Device IP Address Assignment

Static vs DHCP

AnaCom, Inc. devices are shipped by default configured to use DHCP, Dynamic Host Configuration Protocol, unless we have an arrangement with the customer to do something else. The user can assign a static address, or ask Supervisor, (AnaCom's Network Management System,) to find an available address to assign a device, if he knows it's serial number.

Using a command-line / terminal interface of some kind, like the one available in Supervisor, and assuming we have already successfully connected to the device in question and we are currently monitoring it, then we can use a command understood by the firmware to assign a static address, example:
```
IP  192.168.1.51
```
This assigns the currently selected device the given static IP address.

We can return the device to DHCP, example:
```
IP  DHCP
```

We may have to re-acquire the device after the IP address has changed, if it is not recovered automatically. This is done in the main window with a right-click on the device in the Supervisor main window, and selecting "Re-Acquire ODU(s)."

An alternative when we want to assign a new IP address to a device, which might work better is to use a command interpreted directly by Supervisor to carry out the task. Such commands, which we call "internal" commands as they are internal to Supervisor, and not sent to the device. are prefixed with a > character, when typed into the Terminal window command field.

To ask Supervisor to set a connected and monitored device, currently selected in the main window, to a new static address, example:
```
>STATIC  192.168.1.51
```

To ask Supervisor to give a device an available static address, connected or not, but we know the serial number, example:
```
>SNRESET  0722925
```

To ask Supervisor to set a connected or known device to DHCP, example:
```
>DHCP
```

Note: it can take a few seconds for these commands to complete and for Supervisor to attempt to reconnect to the device.