

# How to Configure Hybricon and Elma Crates

## Hybricon 4 slot and 8 slot Crates:

Connect to the serial port (DB9 connector on rear panel). Standard pinout.

If data is continually scrolling by, press S to stop it. The IOC doesn't want the data to be scrolling like that.

Press escape to show the main menu.

Turn off password checking for both the serial port and the ethernet port, the password is HYBRICON, you'll need this to gain access to menu options before turning off password checking:

5 then 9 then U. After you type U, make sure it says "PW NOT req for ENET". If it doesn't say that, repeat until it does.

5 then 9 then V. After you type V, make sure it says "PW NOT req for RS-232". If it doesn't say that, repeat until it does.

To set the IP address, subnet mask key and gateway:

ESC then 5 then D.

The rest should be easy to figure out.

For the LCLS production system,

the subnet mask key is 10

the gateway is 172.27.4.1

For the FACET production system,

the subnet mask key is 10

the gateway is 172.27.68.1

No need to reboot a Hybricon crate after changing its ip address, it will work immediately.

To check to see if your crate is on the network, from unix type

telnet <hostname>

You should see the same thing you see when you connect to the serial port.

Another test is to ping it.

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## Elma 4 slot and 8 slot Crates:

Connect to the serial port (DB9 connector on front panel, female). Standard pinout.

At the login prompt, username is admin and password is ADMIN.

Available commands are documented in the Elma manual. To setup the crate follow the steps listed below:

### LCLS Production

1) lanconfig	— shows you the network setup
2) lanconfig ip ###.###.###.###	— sets the ip address (ip should be on the lclsutil subnet)
3) lanconfig mask 255.255.252.0	— sets the subnet mask
4) lanconfig gate 172.27.4.1	— sets the gateway
5) saveenv	— saves the settings
6) reboot	— !!!Warning, reboots the crate to use new settings

### FACET Production

1) lanconfig	— shows you the network setup
2) lanconfig ip ###.###.###.###	— sets the ip address (ip should be on the facetutil subnet)
3) lanconfig mask 255.255.252.0	— sets the subnet mask
4) lanconfig gate 172.27.68.1	— sets the gateway
5) saveenv	— saves the settings
6) reboot	— !!!Warning, reboots the crate to use new settings

### Development

1) lanconfig	— shows you the network setup
2) lanconfig ip 134.79.219.###	— sets the ip address (ip should be on the lcls-dev subnet)
3) lanconfig mask 255.255.252.0	— sets the subnet mask
4) lanconfig gate 134.79.219.1	— sets the gateway. (p
5) saveenv	— saves the settings
6) reboot	— !!!Warning, reboot the crate to use new settings