Connecting to an ETS-Lindgren Ethernet Device
User Manual
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Factory Configurations

ETS-Lindgren Ethernet devices are factory configured as follows:

- IP Address: 192.168.0.100
- Net Mask: 255.255.255.0
- Default Gateway: 192.168.0.1

If an Ethernet adapter driver is already known to be installed, configure your computer Ethernet interface as shown below to connect to the device for the first time.
Ensure that the Ethernet Adapter is Installed

An Ethernet adapter, also known as a network card, network interface card, or network interface controller, provides a physical port for networking media such as Ethernet cables. It communicates with the computer and allows it to access a network device.

1. Open Device Manager and select "Network Adapters".
2. Right-click the network adapter you want.
3. Click **Properties**; the Properties window will show the Ethernet adapter's status.
Configuring the Ethernet Adapter

1. In Windows, click **Start**.
2. Type "Change Ethernet settings" into the search box.
3. In the search results, click **Change Ethernet settings**.
4. In the Settings window, click **Change Adapter options**.

**Note:** You must have administrator permissions to change the configuration.
5. Right-click the Ethernet Adapter you want to configure and select "Properties."

7. Select “Use the following IP address” and fill out the addresses as follows:
   - IP address: 192.168.0.1
   - Subnet mask: 255.255.255.0
   - Default gateway: blank

8. Choose “Use the following DNS server addresses” and leave “Preferred” and “Alternate DNS” server fields blank.

9. Click OK.

Note: Information about subnet mask can be found here: https://www.iplocation.net/subnet-mask and here: https://searchnetworking.techtarget.com/definition/subnet
Changing the Device Ethernet Configuration

1. Connect to the device using any TCP/IP capable terminal application.
2. Run PuTTY, point it to Host 192.168.0.100 Port 1206, set Connection type as "Raw." Click Open.

Note: PuTTY is a good candidate. PuTTY is a free (MIT-licensed) Windows Telnet and SSH client and can be downloaded from [https://www.putty.org/](https://www.putty.org/).
Ensure the Connection is Working

1. Type "*IDN?"
2. Hit Enter.

The device will respond with an identification string such as the one below:

![Identification string]

The IP address can be changed using the MOD:IP command. For instance, check the current IP address by typing MOD:IP?

To change the IP address to 192.168.0.200, type MOD:IP 192.168.0.200 and hit "Enter". The device will set the new address and reset the connection.

![IP change error]

![New IP address set]