

The application note applies to:
NetLinx Network configuration

Description

In order for the NetLinx system to run on a network, the network settings must be configured for the target network. You will need to have detailed information about your network on hand before starting.

In order for the NetLinx master to operate correctly, it must have the IP address, subnet mask, gateway address, domain name and name server addresses according to the Network Administrator-supplied values. Many Network administrators setup a DHCP server to automatically supply these values to network devices when the reboot. The NetLinx master does support DHCP and if your network supports DHCP, the network setup process will be greatly simplified.

If not using DHCP, it is important to have values for all parameters listed below. Entering just one network parameter incorrectly can cause communication to the network to fail.

Please contact your Network Administrator if you do not have the information necessary to complete the network settings for your system.

After changing the network settings, you must reboot the NetLinx master for the settings to take effect.

Network Setup

- In Amx Studio, select the **Tools->Master Comm Settings** Menu item. Select **NetLinx** for the platform and then select either a COM port (if the networking is not already configured) or an IP address (if it is currently on the network). Select OK when complete.
- Select the **Tools->NetLinx Diagnostics** Menu item. Select the **Networking** tab from the tabs along the top. Enter **0** for both **System** and **Device**. Then press **Get IP Info**. Then press **Get DNS Info**
- Is there a supplied Host name for the IP address assigned to the Netlink master? If so, enter under **Host Name**. If no name is supplied, enter **NetLinx**.
- Is your IP address dynamic (DHCP) or fixed (Static)? Select the **Use DHCP** or **Specify IP Address** according to your network information.

- If you selected **Use DHCP**, then press **Set IP Info** and then press **Reboot**. When the master restarts, it will contact the DHCP server to fill in any missing network information. You are now finished with your Netlink Network Setup.
- If you selected **Specify IP Address**, enter the IP address supplied by the network administrator. If you do not have an IP address, contact the network administrator to obtain one. If you enter the incorrect number, the NetLinX master and very likely another device on the network will not be able to communicate on the network.
- Enter your **Subnet Mask**. This value determines the scope of your network. If you did not receive a value for this, enter **255.255.255.0**. It is a very common default. Do not leave this blank.
- Enter your **Gateway**. This value determines a path to computers not on your network. If you did not receive a value for this, enter your IP address. Do not leave this blank.
- Enter your **Domain Suffix**. If you did not receive a value for this, leave it blank.
- Enter up to 3 **DNS IP**. This values help your master find other network resources. If you did not receive a value for these, leave them blank.
- Press **Set IP Info**, followed by **Set DNS Info** and then press **Reboot**. When the master restarts, it will use the new network settings. You are now finished with your Netlink Network Setup.

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