

How to Rename and ReInternetWork your Nomad XR4000 Robot

This document provides you with hints on how to rename an XR4000 and how to update the appropriate networking files so that the radio ethernet continues to work.

If you have an XR4000, then you are running Linux on the robot's processor. Here are the steps you must take:

1. Go to `/usr/local/share/Nconfig`. In here, there is a configuration file that contains the robot name. Change the robot name as appropriate.
2. Go to `/etc` and open up the file, `hosts`. In here, the robot's own name needs to be changed (and its IP address updated as appropriate).
3. Go to `/etc/sysconfig` and open up the file, `network`. The machine's name and, possibly, IP address should be changed here also. Remember, the IP address and Netmask must be self-consistent, so use a set of numbers that you know works or ask someone in the know. Also, don't forget to ensure that a Gateway is specified somewhere, either in `network` or in the next file you're going to open.
4. Go to `/etc/sysconfig/network-scripts` and, in here, open up `ifcfg-eth0`. This file also may contain your machine's name and IP address and domain. If so, change them as appropriate.

Useful routines: run `ifconfig` to look at your current IP address and other goodies. Run `netstat -r` to find out what the current state of your network is, from the machine's point of view.