



# Configuration Tool User Manual

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## 0.1 Release History

Version	Name	Date	Change Details
0.1	Jeremy Hallett	02-Nov-2009	Initial Draft



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## 1. Scope

### 1.1 Document Purpose

This document provides qualitative and operational information about the nControl Configuration Tool.

## 2. Overview

The nControl Configuration Tool provides a means to configure the network settings of an nControl with an unknown IP address.

The nControl Configuration Tool is installed on all new nControl units. It automatically runs on boot and allows for configuration of eth0, the Ethernet port physically located furthest from the power supply.

To interface with the software running on an nControl unit the nControl Configuration Tool graphical component must be installed on a PC.

## 3. Installation

To install the nControl Configuration Tool use the supplied installer. The configuration tool is a Java application and requires a Java Runtime Environment to be available on the target machine.

During installation, the installer prompts for a destination path. By default this is "C:\Compass\clients\nControl Config Tool" however another destination directory can be chosen.

To finish the installation continue to follow the prompts.

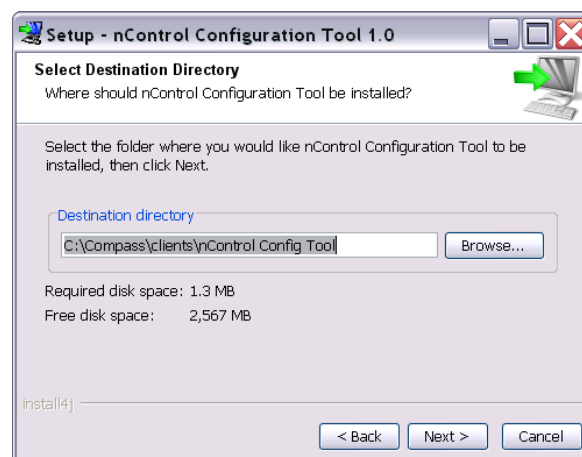


Figure 1: Destination Directory

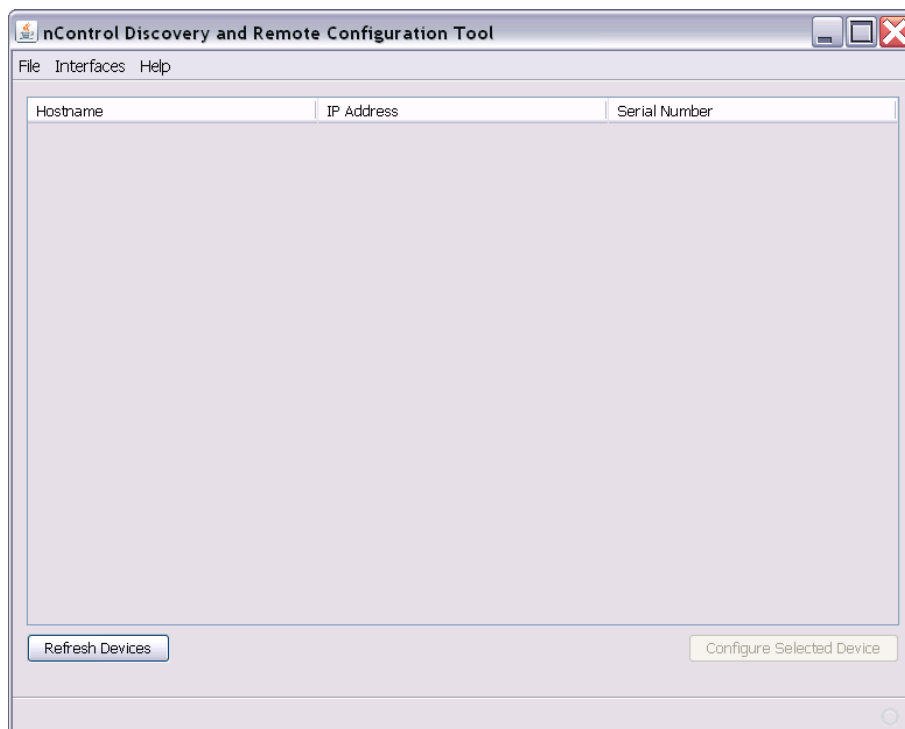


Figure 2: nControl Configuration Tool - main window

## 4. Using nControl Configuration Tool

The machine with the nControl Configuration Tool GUI installed must be connected to eth0 on an nControl unit.

When the configuration tool is run the main window appears as seen in Figure 2. This window consists of a menu bar, a table which will contain entries of each of the nControl units discovered, and two buttons to refresh the table and to configure a selected unit.

### 4.1 Discovering nControl Units

The following process should be used for discovery of nControl units.

- 1) Select the correct interface from the “Interfaces” menu (Figure 3). This will be the computer’s built in network controller.
  - This is important if there are other interfaces installed due to VPNs or Virtual Machines.
- 2) Click “Refresh Devices” and table will populate with discovered nControl units. The visible information will be Hostname, IP Address and Serial Number (Figure 4).
  - If no units are discovered either the wrong interface is selected or there are no nControl units connected.
  - Units that are configured with DHCP will be discovered even if they have been unable to obtain an IP Address. If a unit has not obtained an IP address, that field will appear blank in the table.



Figure 3: Select the correct interface.

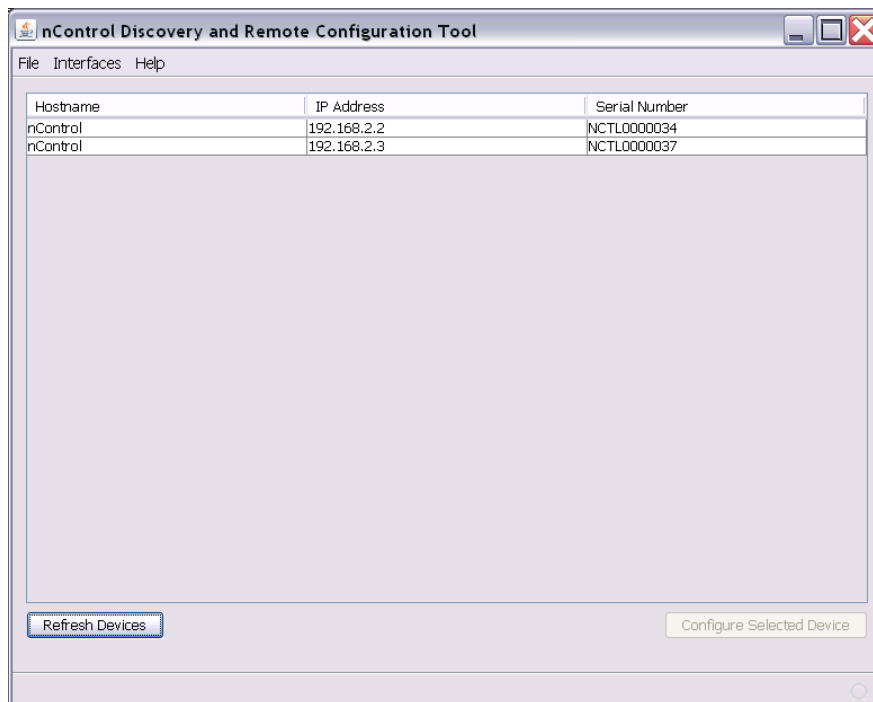


Figure 4: Table populated with discovered nControl unit.

## 4.2 Configuring an nControl Unit

To configure the network settings of an nControl unit either select a unit in the table and click “Configure Selected Device” or double click on the line in the table. The “Remote Device Settings” window will then appear as seen in Figure 5.



The image shows a 'Remote Device Settings' dialog box with two sections: 'Identifying Information' and 'Network Settings'. The 'Identifying Information' section contains fields for 'Serial Number' (NCTL0000034), 'MAC Address' (00:21:10:00:00:1), and 'Subsys / Site Name', along with an unchecked checkbox for 'Override Compass Subsys?'. The 'Network Settings' section contains fields for 'Hostname' (nControl), 'IP Address' (192.168.10.2), 'Netmask' (255.255.255.0), 'Broadcast Address', 'Network Address', 'Default Gateway', 'Primary DNS', and 'Secondary DNS', along with an unchecked checkbox for 'Use DHCP?'. 'OK' and 'Cancel' buttons are at the bottom right.

Figure 5: Remove Device Settings window.

#### 4.2.1 Identifying Information

**Serial Number:** This is the serial number coded on the unit. This can be compared to the serial number located on the unit itself to ensure the correct unit is being configured.

**MAC Address:** This is the unique identifier associated with the Ethernet port for which the network settings are being configured.

**Subsys / Site Name:** This piece of information is only used if the unit is installed with Newpoint Compass software.

#### 4.2.2 Network Settings

The network settings can be configured manually or if a DHCP server is running DHCP can be used.

**Note:** If the DHCP option is checked but no DHCP server is running this can make the device appear slow or unresponsive until the unit times out trying to retrieve an IP address.

#### 4.2.3 Save Changes

Once the settings are configured as required click “OK” for them to take. A confirmation window will appear to confirm the changes.