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TECHNICAL NOTE # 902A

Re: **Windows 7™ UIST II Connection through GCM II or GCM II-HD**
Date: February 04, 2016

INTRODUCTION

This technical note will explain how to setup and establish a network connection from a laptop or desktop computer running the Universal Installation Service Tool II (UIST II) to the GCM II or GCM II-HD. This document assumes the PC running the UIST II is installed with Windows 7 operating system.

A network cable will be required to connect from the RJ45 network port on the PC to the RJ45 network port on the GCM II or GCM II-HD. If the network port on the PC is not 1gig or higher a crossover cable will be required.

Note: make a note of all previous network settings made on the PC and/or the GCM II. This will be helpful in case the settings need to be reverted to the previous IP address, Subnet Mask, Gateway and/or DHCP mode.

GCM II CONFIGURATION

The GCM II and GCM II-HD have default settings for the Host Name, Local IP Address, Gateway Address, Network Address, Subnet Mask and DNS Address as shown in Figure 1. This can be found in Section 5.2.3.1 Networking of the GCM II manual. Ensure the DHCP box is unchecked. These setting can be customized to meet site requirements.
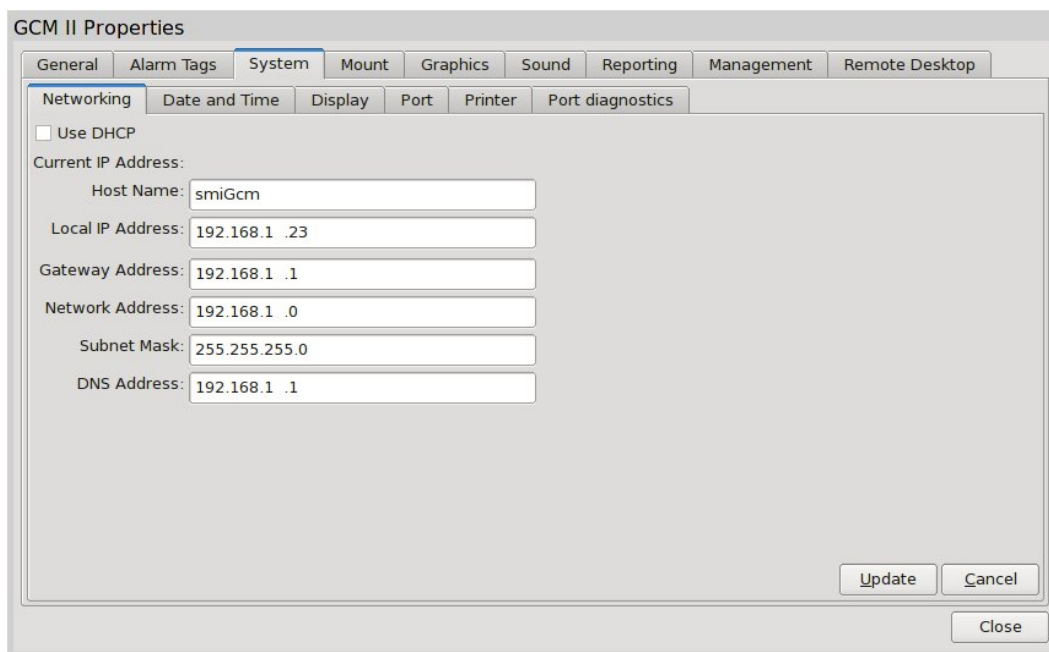

Figure 1

PC NETWORK CONFIGURATION

1. On the PC running the UIST II go to the Control Panel and open the "Network and Sharing Center" as shown in Figure 2
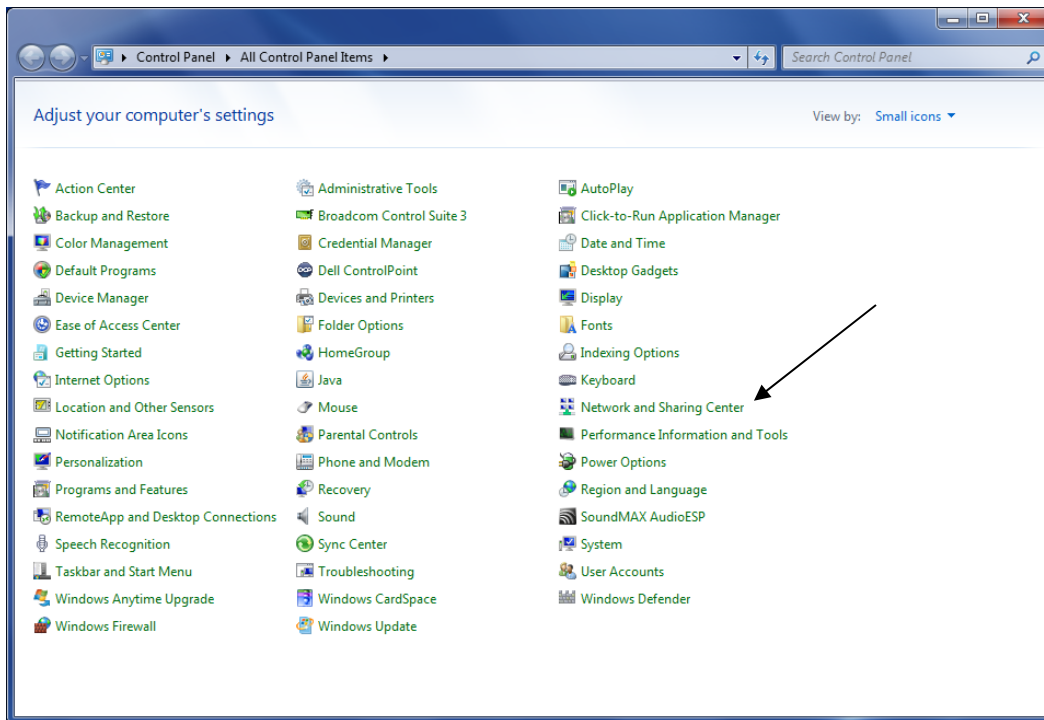
Figure 2

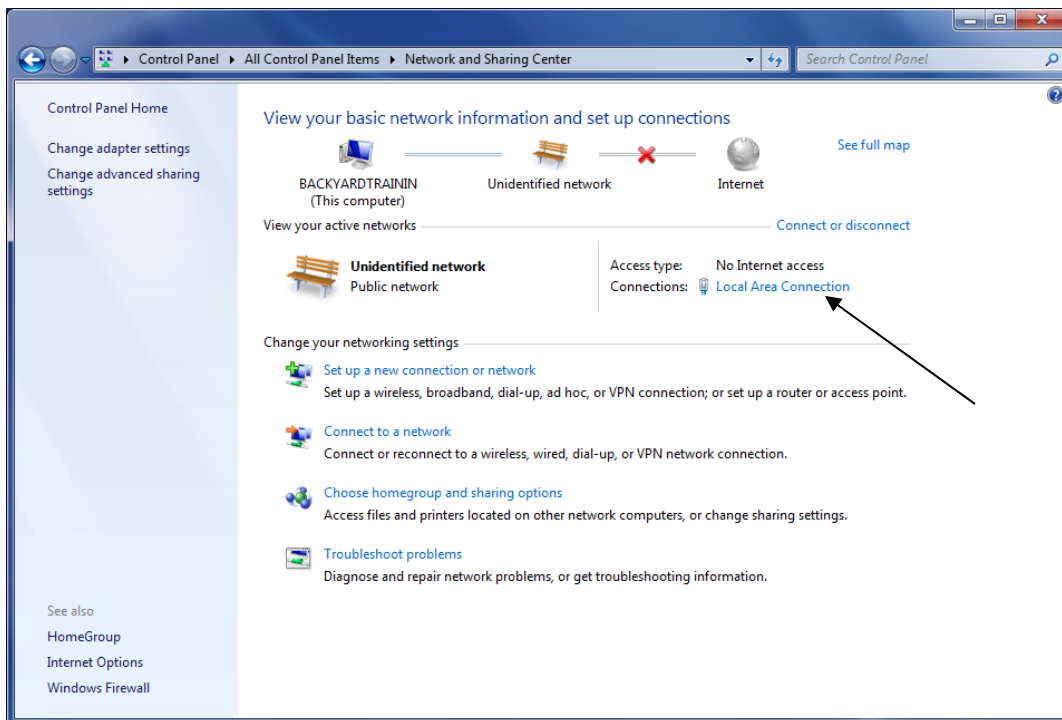2. Find the "Local Area Connection" as shown in Figure 3.

Figure 3

3. With the mouse click the "Local Area Connection" to open the "Local Area Connect Status" screen as shown in Figure 4.
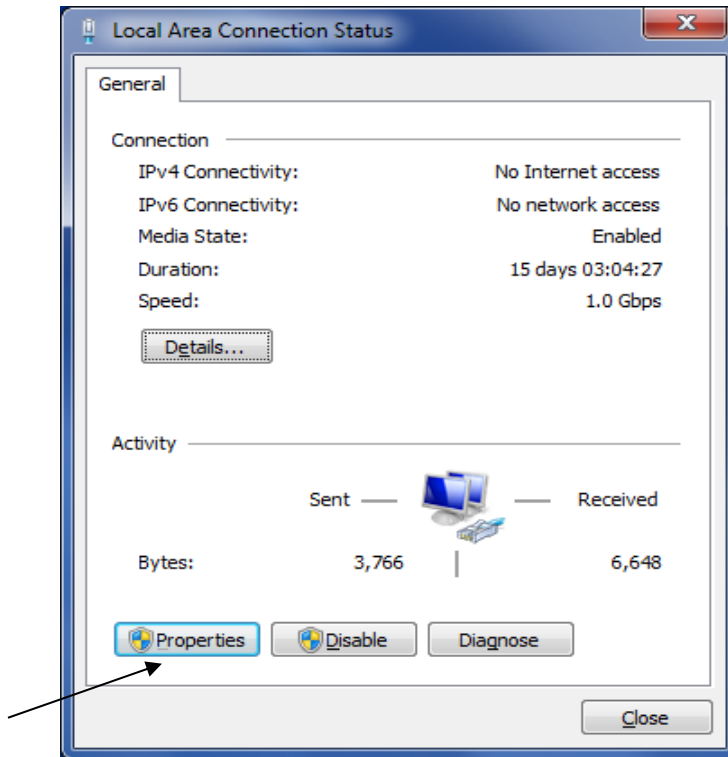
Figure 4

4. Select "Properties" as shown in Figure 4 to open the "Local Area Connection Properties" screen as shown in Figure 5. Select the "Internet Protocol Version" then select "Properties".
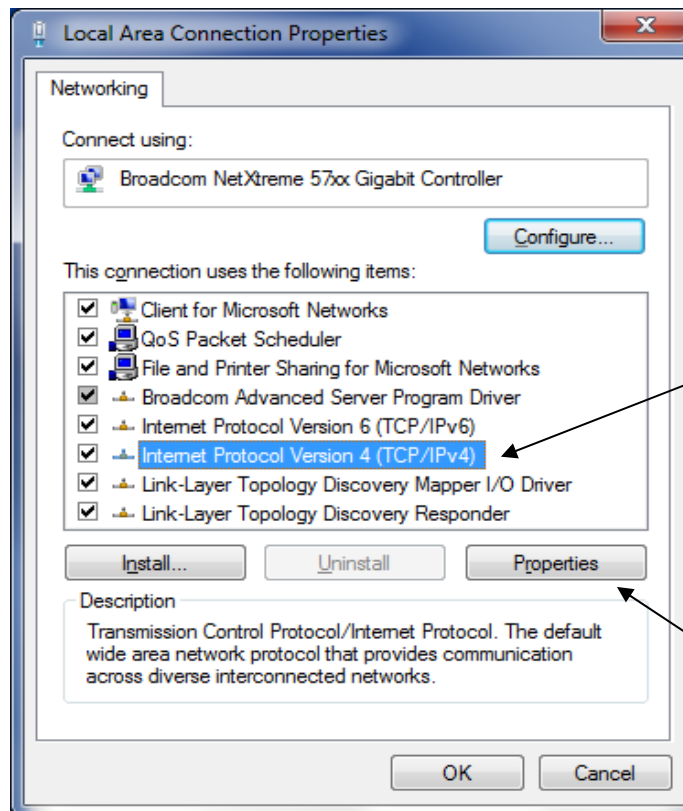

Figure 5

5. In the "General" tab select "Use the following IP Address" as shown in Figure 6. Enter a static IP address such as 192.168.1 10. This address must be different from the GCM II IP address. The Subnet Mask must match what the GCM II has listed. The Default Gateway should be left blank.

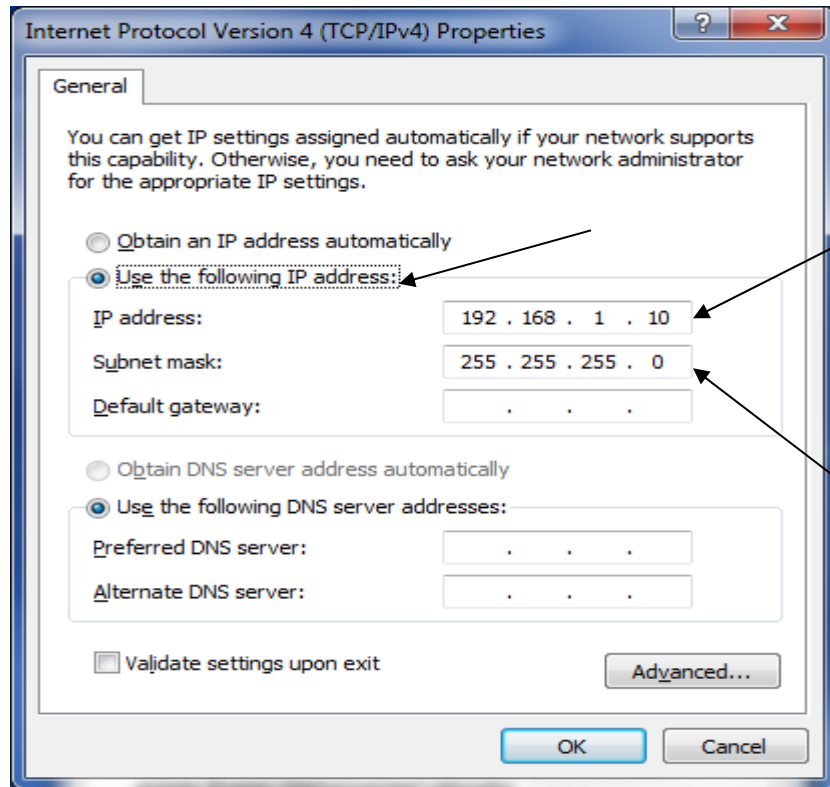Once the information has been entered, select "OK" on all screens to save the settings.

Figure 6

UIST II (Versions D or earlier) SETUP

Open the UIST II "Controller Connect" tab as shown in Figure 7 (reference the UIST II manual **-** Versions D or earlier). Enter the IP address of the GCM II into the IP Address filed and select "Connect".
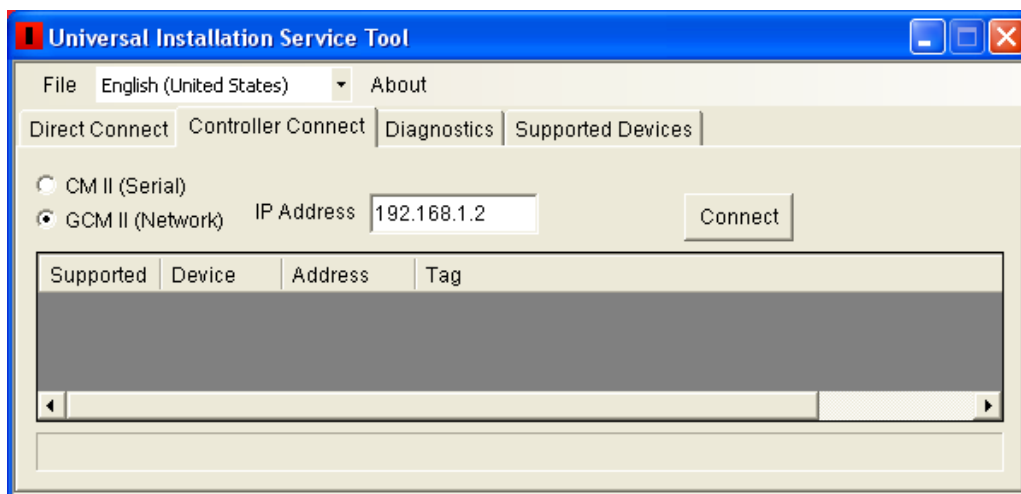

Figure 7

UIST II (Versions E or later) SETUP

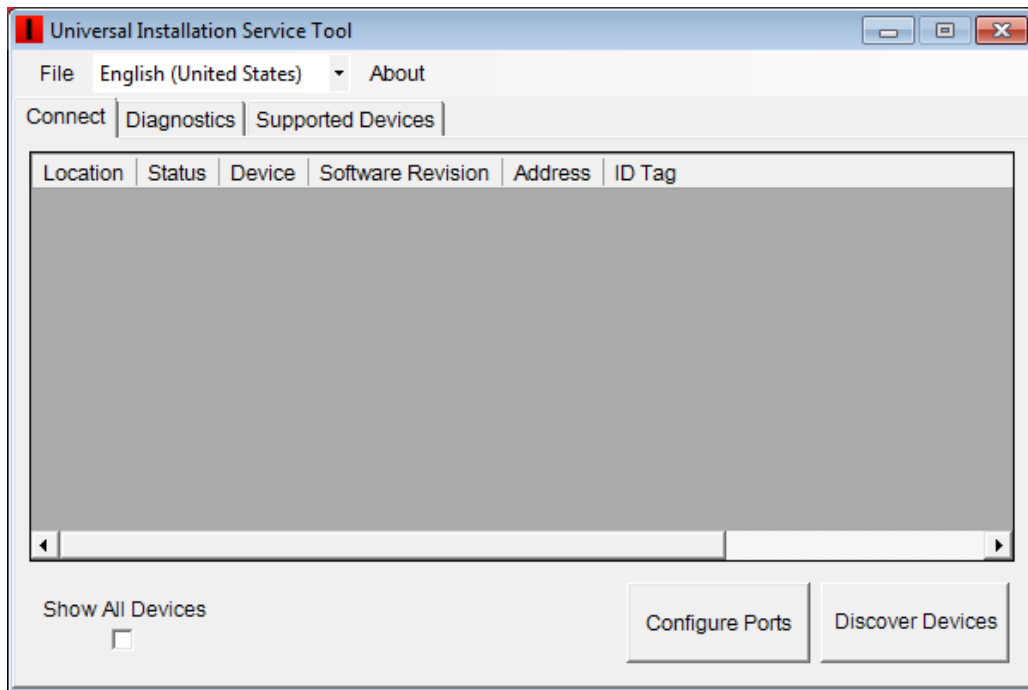Open the UIST II "Connect" tab as shown in Figure 8 (reference the UIST II manual - Versions E or later).

Figure 8

Select the "Configure Ports" button to open the "Configure Device Ports" dialog box as shown in Figure 9.
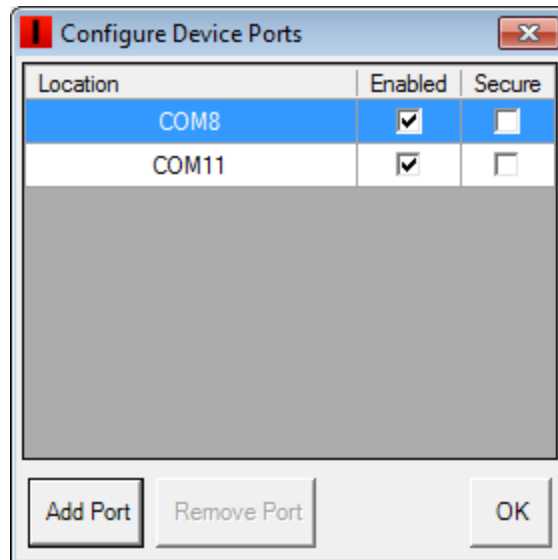

Figure 9

Select the "Add Ports" button to open the "Add Device Location" dialog box as shown in Figure 10.
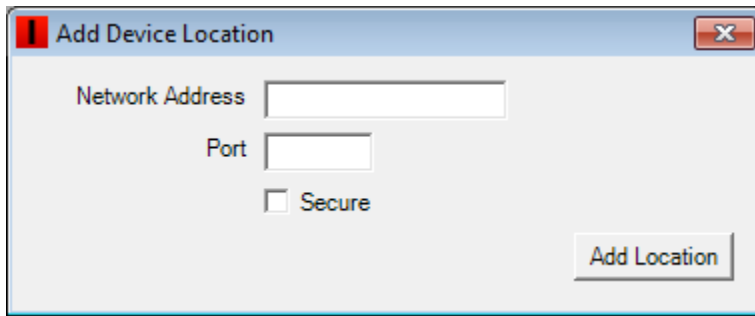
Figure 10

In the "Network Address" field enter the IP address of the Graphic Control Module II (GCM II) or Graphic Control Module II-Heavy Duty (GCM II-HD) that the UIST II will be connected to.

In the "Port" field enter the port number that the UIST II has been assigned. The default port number for the UIST II is 50000. Figure 11 shows the "Location" and "Port" fields entered. The "Secure" function is not active at this time.
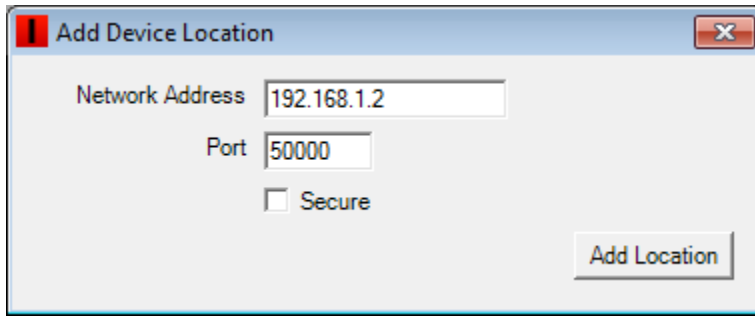

Figure 11

Once the correct information has been entered select the "Add Location" button to add the port to the "Configure Device Port" screen as shown in Figure 12. Select the "Discover Devices" button as shown in Figure 8 to populate the screen with the found devices. Double click the device to open the UIST II.
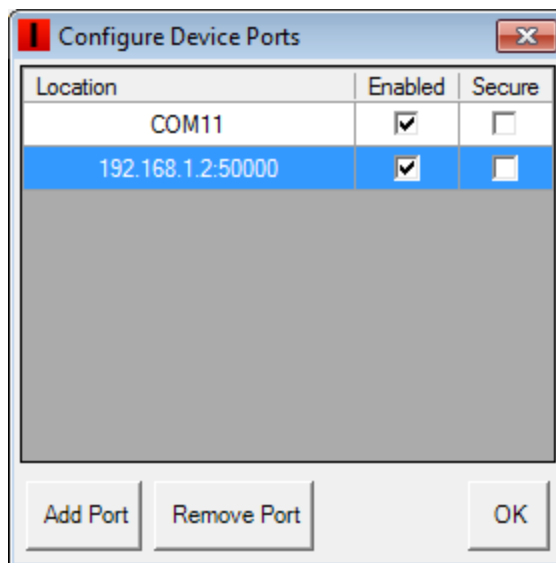

Figure 12