



## Technical Service Bulletin

To: NeXGen Service and Help Desk Personnel

From: Allied Electronics Technical Support

Date: March 15, 2012

Re: Changing NeXGen Ethernet Settings

*\* For the remainder of this document, the NeXGen controller will be referred to as **NXG**.*

The ANDI\_DGS application allows NXG service and help desk personnel to modify NXG's Ethernet settings. This action may be performed via serial or Ethernet connection to NXG.

An assumption **MUST** be made that the individual performing the following procedure has acquired a basic understanding of **NXG** and the **ANDI\_DGS** utility.

Note: If NXG is running PCI compliant software, an "Administrator" username and password **MUST** be setup in order to employ **ANY** ANDI\_DGS functions (i.e. warm start, cold start, port assignment, port monitoring, Ethernet settings, etc).

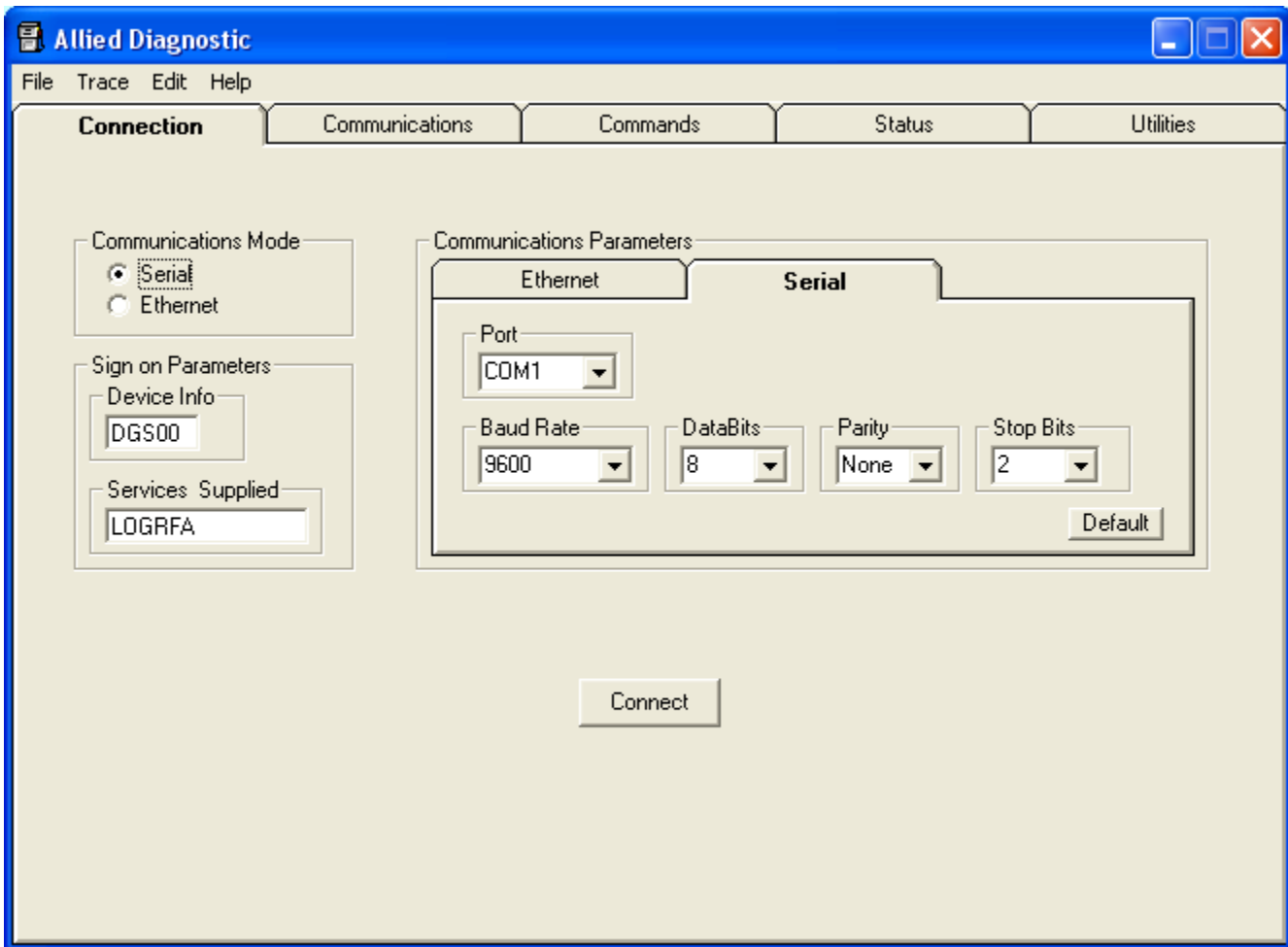
The following is the procedure for changing NXG's Ethernet settings via **serial connection**:

- 1) Verify that a DB9 NXG POS connector (**Part #N9359-ADP**) is attached to the serial port on the PC running the ANDI\_DGS application.
- 2) Verify that a straight-through CAT 5 cable is connecting the DB9 NXG POS connector to an available POS RS232 port on NXG.
- 3) Launch ANDI\_DGS and connect to NXG via the **Serial** option under *Communications Mode* on the **Connections** tab.

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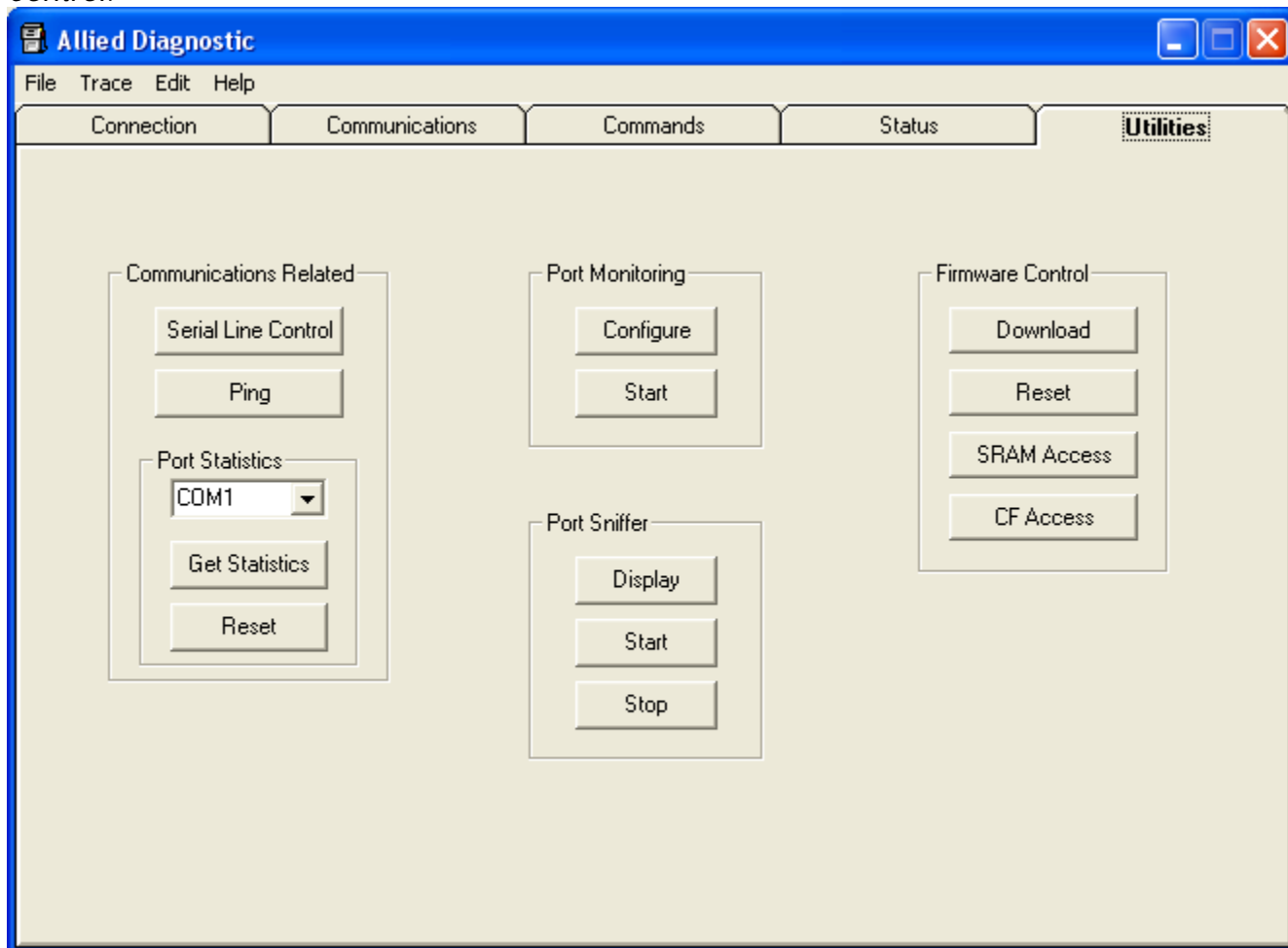
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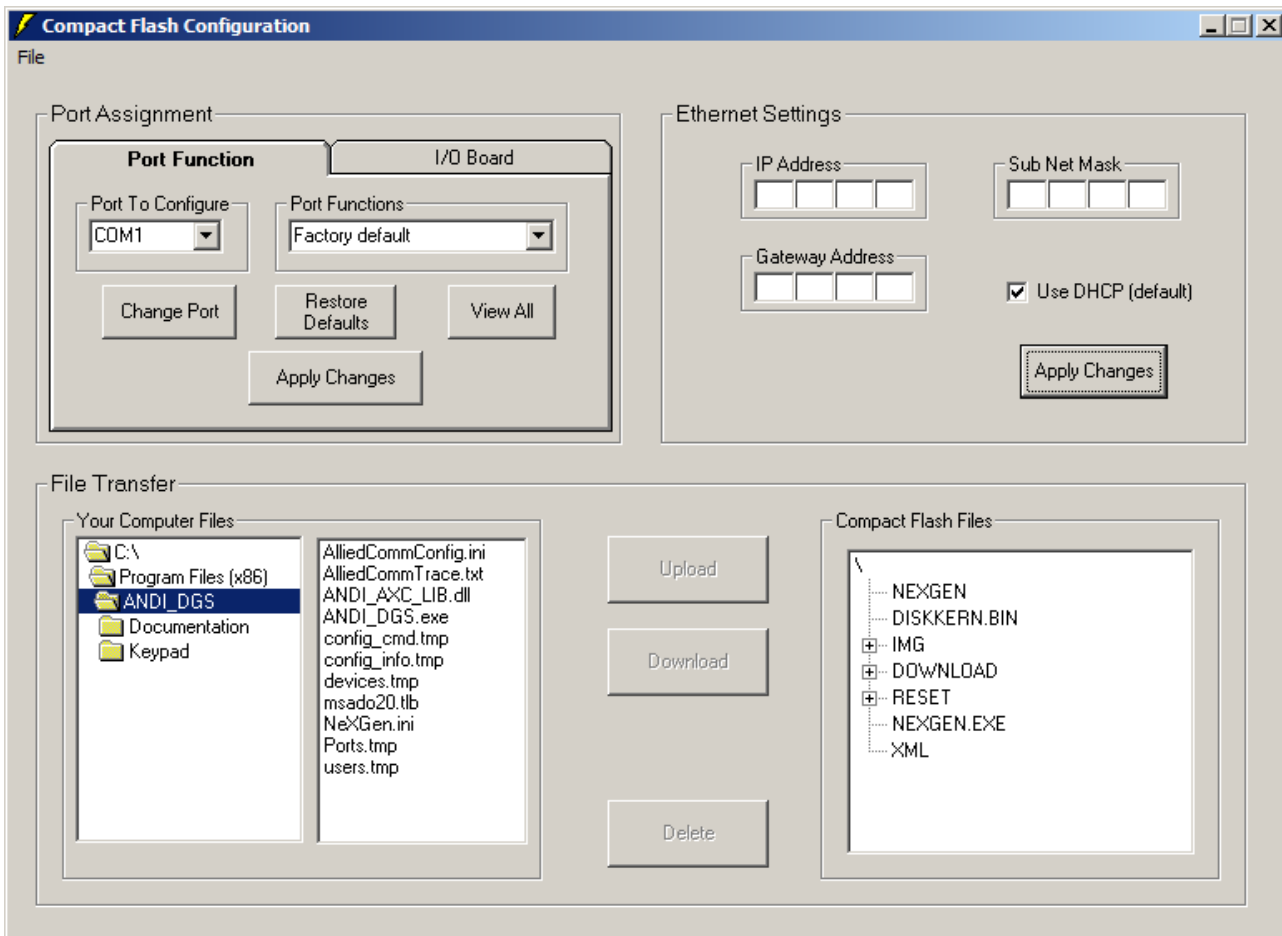


4) Once connected, click on the *Utilities* tab

- 5) From the **Utilities** tab, click **CF Access** under *Firmware Control*.



- 6) Uncheck the *Use DHCP (default)* box and enter the IP information in the Ethernet Settings boxes.

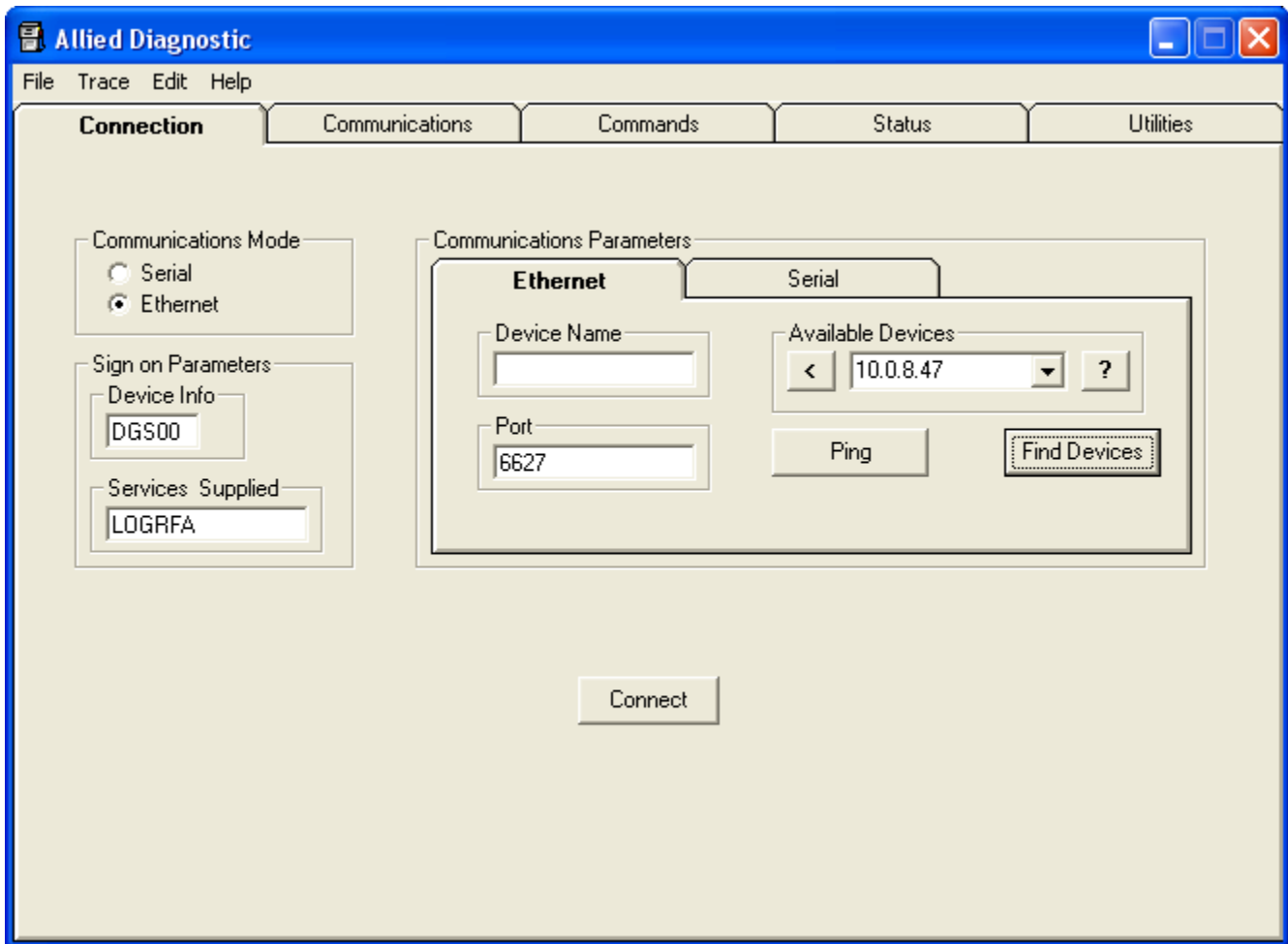


- 7) Click *Apply Changes* and close out the **Compact Flash Configuration** box.
- 8) Warm start NXG via the **Reset** button under *Firmware Control*. Refer to the technical service bulletin **ANDI\_DGS Warm Start Procedures** for more information on this step.
- 9) Once NXG warm starts, the beep sequence should indicate the presence of an IP address and the information entered via ANDI\_DGS.

The following is the procedure for changing NXG's Ethernet settings via **Ethernet connection**:

- 1) DHCP connectivity requires NXG to be connected via CAT 5 from the onboard Ethernet port to a LAN.
- 2) If the IP address has already been obtained via DHCP server, you are connected via Ethernet, and simply want to change the IP information, follow steps 4-9 above.
- 3) If the IP address has already been obtained (and known) and you are NOT able to make a serial connection
  - a) Run a crossover cable between NXG's onboard Ethernet port and the PC running the ANDI\_DGS application.
  - b) Verify that the IP configuration of your PC falls within the range of NXG's IP configuration.
  - c) Launch ANDI\_DGS and connect to NXG via the **Ethernet** option under *Communications Mode* on the **Connections** tab.

- d) Click Find Devices and the NXG's IP address should appear in the "Available Devices" box.
- e) Click **Connect** and follow steps 4-9 above.



Contact Allied Electronics Technical Support with any questions or concerns:

800-223-3619

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