

Think & Do Profibus Network Setup with the H2–PBC

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Think & Do Profibus Network Setup with H2-PBC

For those who are using the H2-PBC as a slave with Think & Do, the following steps will guide you through the setup for your Think & Do Profibus network.

Getting the T & D Network Started

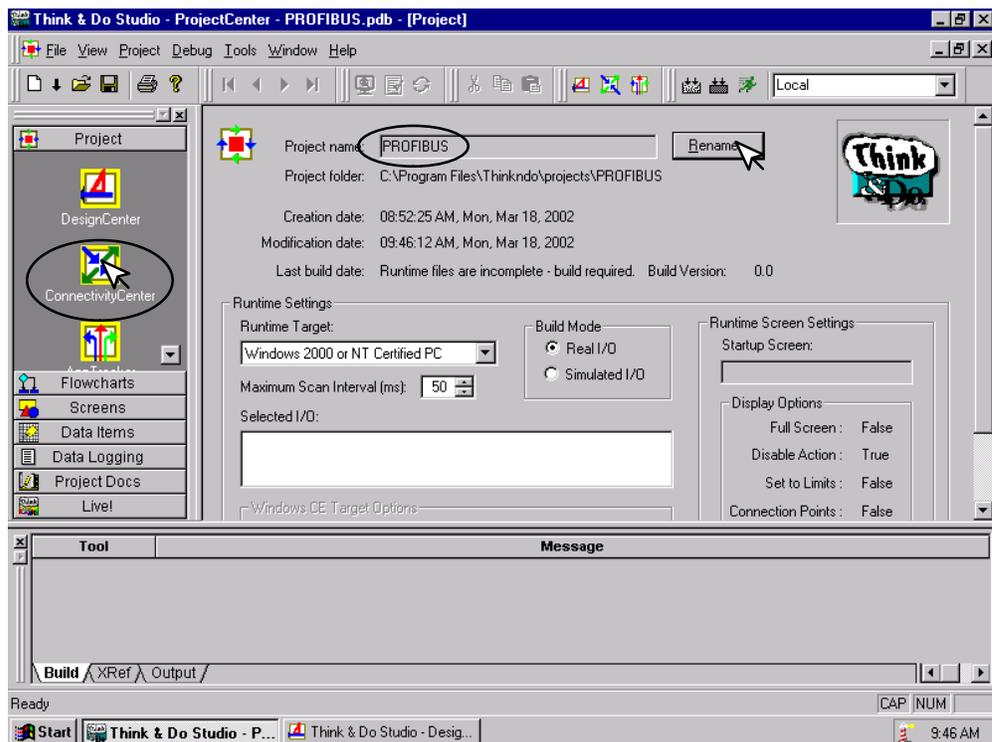
The first thing that will be needed for the Think & Do Profibus network is a Profibus interface card for your PC. We use the SST™ Interface Card for Profibus, produced by Woodhead Industries, Inc.. More information about the purchase of this card can be obtained from their website, www.mySST.com. The PC used for the setup procedure explained here uses this interface card. Whenever this card has been installed, run the SST Profibus Configuration Tool to configure the Profibus card before beginning the Think & Do setup.

The following setup uses Think & Do Studio; however, if you have Think & Do LIVE installed on your PC, you will use I/O View instead of the Connectivity Center to setup the H2-PBC DP Slave on the network.

T & D Studio setup for PC control

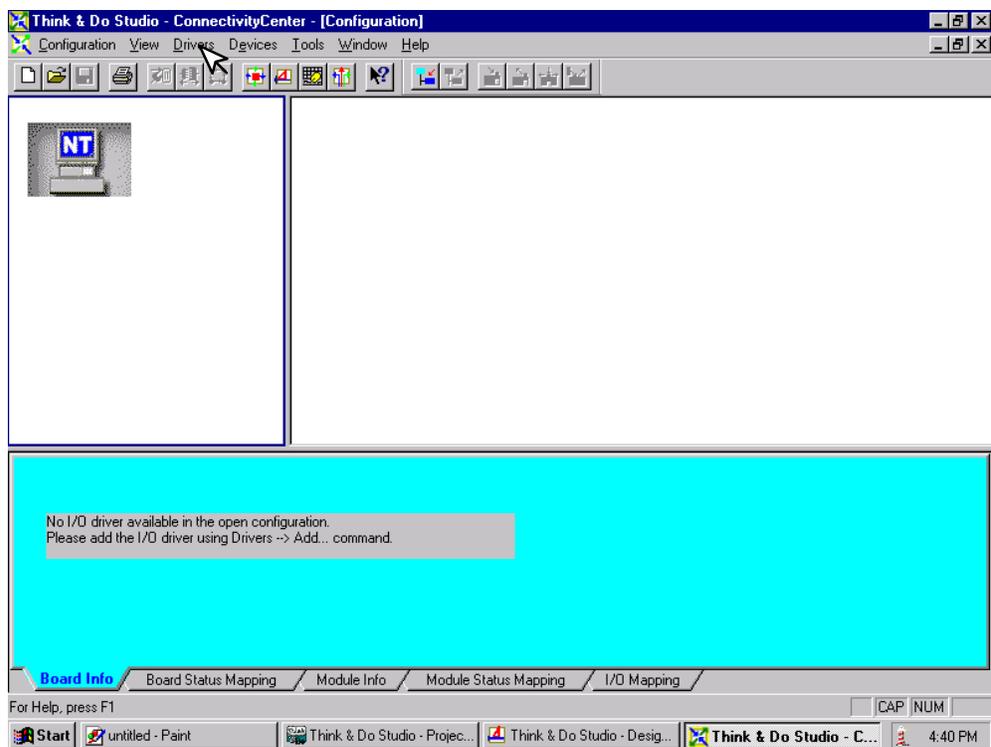
First, Be sure that the Node Address has been set to a proper address (3 to 125 for the H2-PBC). Next, open Think & Do Studio and select **File > New** in the Project Center window. Use the following procedure to setup the H2-PBC with Think & Do Studio. The procedure assumes that the Profibus cable is connected from the SST card to your H2-PBC Profibus Base Controller with Terminator I/O installed.

1. Rename the project (the example name is PROFIBUS).
2. Click on the **ConnectivityCenter** button.



This window will appear with a note to add the I/O driver.

3. Click on **Drivers** > **Add** in the drop down window which appears.

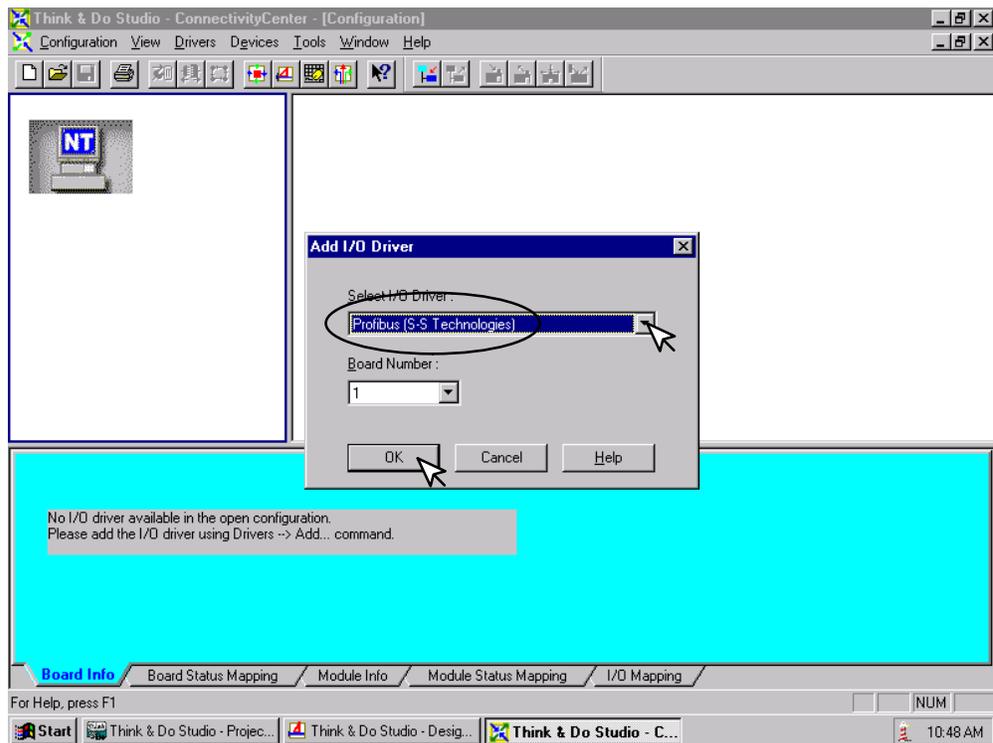


The **Add I/O Driver** window will drop down.

4. Click on the down arrow and select the Profibus driver that is in your PC.

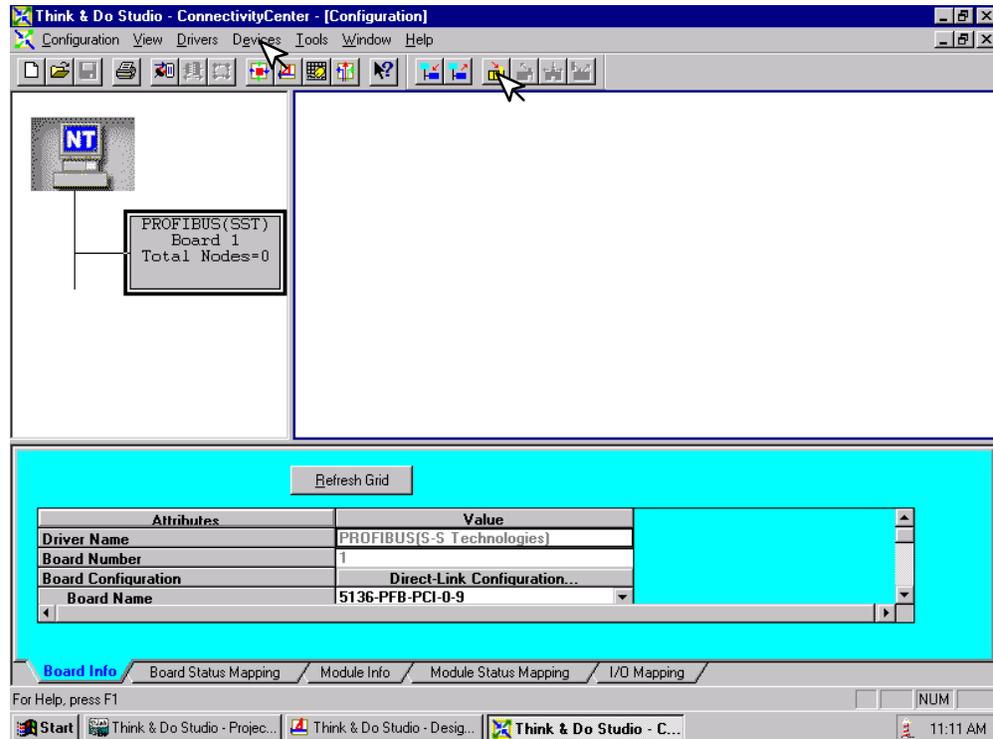
5. Click **OK**.

This installs the SST driver to Think & Do configuration.



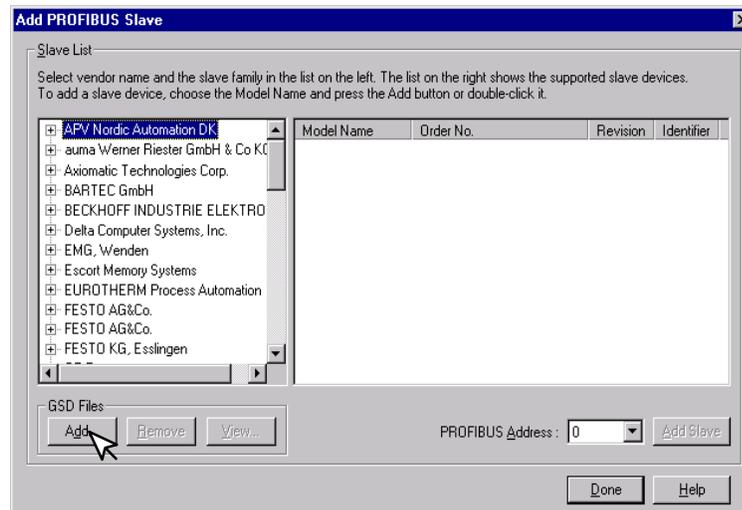
The H2-PBC Slave must be added to the configuration next.

6. Click on **Devices** or the **Add Device** button in this window.



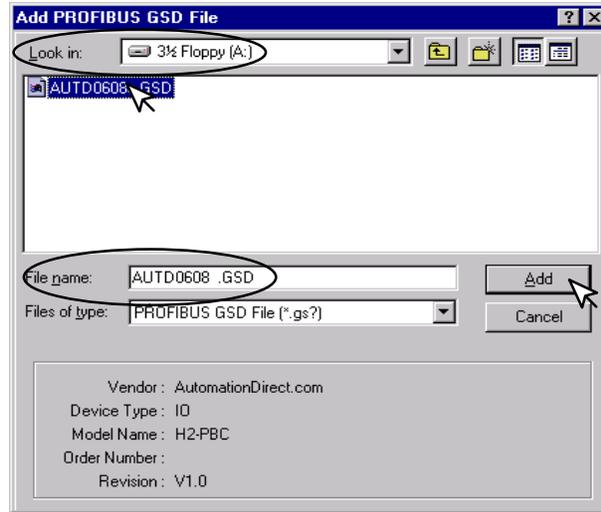
The following window will come into view. You will see a list of companies in the window on the left. Each of these have GSD files that are supported by Think & Do. If AutomationDirect is not in the list, you will need to install the GSD file from the diskette that was supplied with this manual.

7. Click the **Add** button.



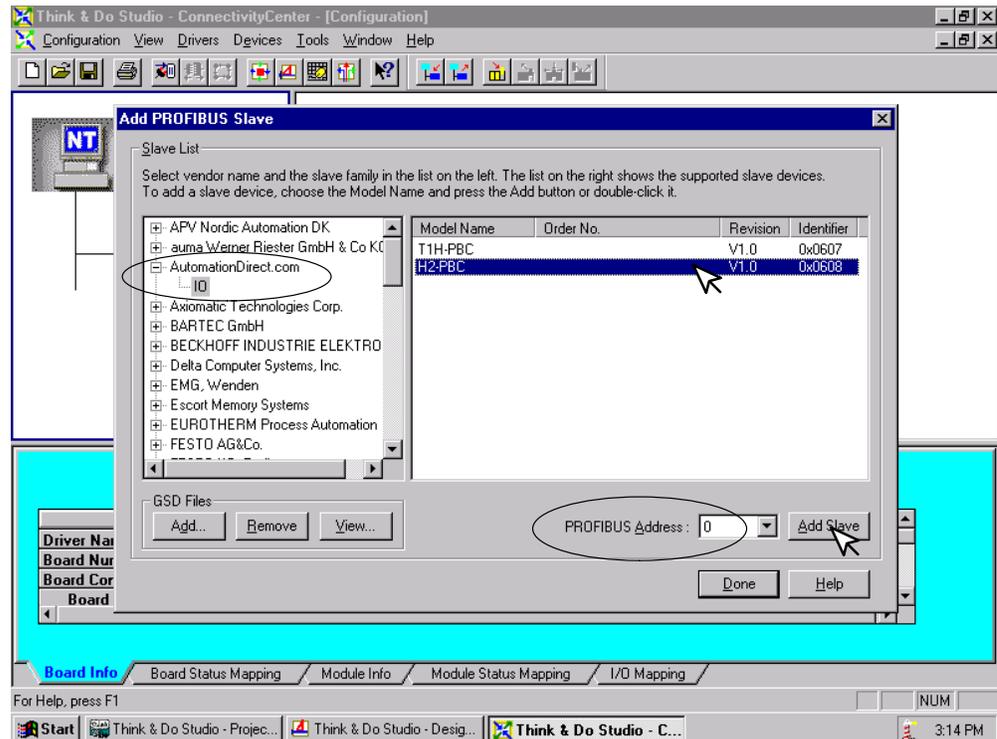
When this window comes into view, insert the diskette and select the A: drive in the **Look in:** window slot.

7. Click on **Autd0608.gsd** file to select the **File name**, then **Add**.



The window appears like the one shown below.

8. Click on **AutomationDirect.com**, then **IO**. This puts the available GSD file names in the window on the right.
9. Select **H2-PBC** and enter the **PROFIBUS Address** set on the DIP switch.
10. Click on **Add Slave**, then **Done**.





Once the GSD file has been added, simply click the Connect button after installing the Profibus I/O driver the next time that a slave is configured. Think & Do Studio will search the network for all connected slaves and the modules for each slave. You will need to select the name for each module found.

The window now displays the **H2-PBC** as a block with the name and address.

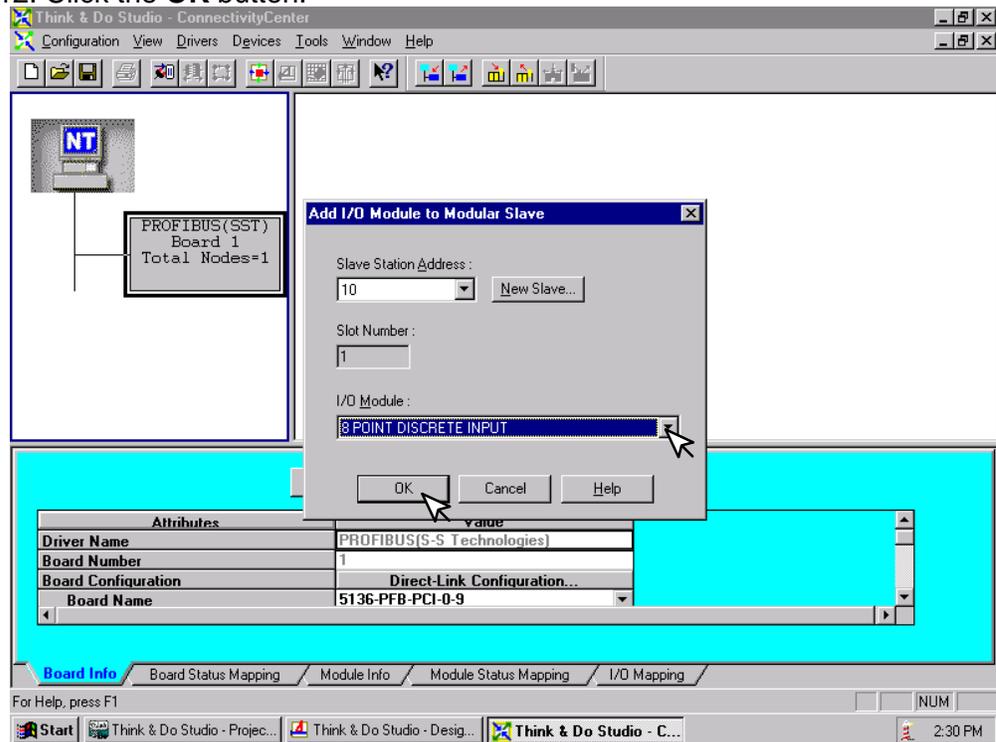
Now that the H2-PBC Slave has been added to the configuration, add the DL205 I/O modules which are installed in the base.

11. Either click on **Devices** or the **Add Device** button.

Attributes	Value
PROFIBUS Address	10
Model Name	H2-PBC
Order Number	
Description	Station010

The **Add I/O Module to Modular Slave** window will drop down. Select the module for Slot 1 by clicking on the down arrow next to the **I/O Module**. Either select the generic name or the part number for the DL205 module located in that slot.

12. Click the **OK** button.



Repeat these steps for each slot until all of the DL205 I/O modules have been added to your H2-PBC Slave configuration.

The configuration window now shows the complete H2-PBC Slave Base Controller connected to the Think & Do network. It can now be connected and put on line.

13. Either click on **Configuration > Connect** or on the **Connect** button.

14. After it is connected either click on **Configuration > Scan** or the **Scan** button.

The system should now be running.

