



## **OCS Training Workshop LAB 4**

Configuration of SmartStix Remote I/O modules

## **Lab 4: Configuration of SmartStix Remote I/O's**

### **Objective:**

The objective of this lab is to give you the knowledge to configure SmartStix Remote I/O's over Cscan communication.

This will be helpful to configure SmartStix Remote devices communicating with the OCS over Cscan protocol.

## **Configuration Procedure**

Step 1

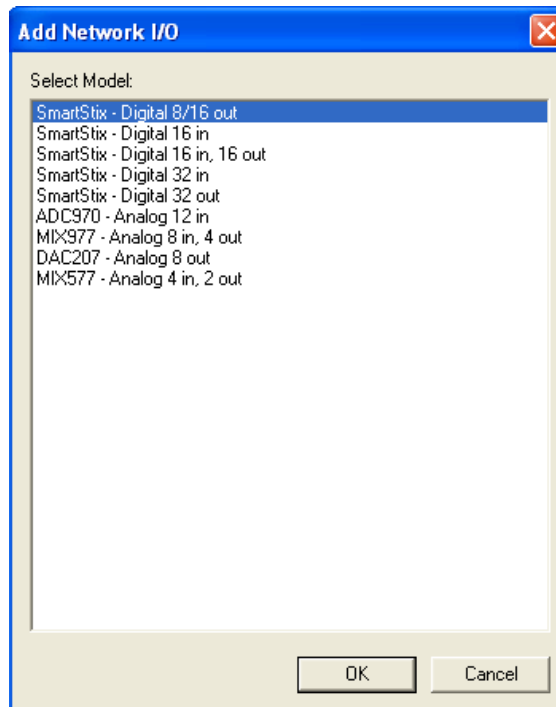
### **Open CsCan I/O configuration window**

Click on the **Controller** menu and select **Hardware Configuration**. Choose the tab **CsCan I/O**.

Step 2

### **Add the SmartStix Remote I/O**

Click the Add button. Select the SmartStix model from the Network I/O window.

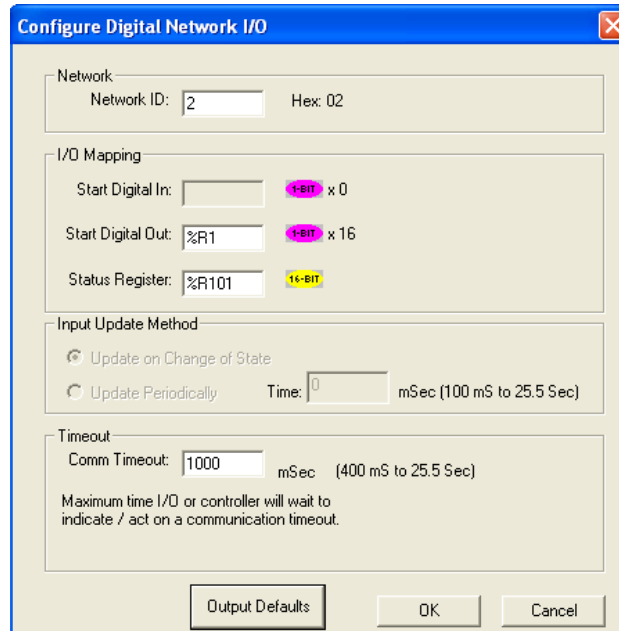


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Step 3

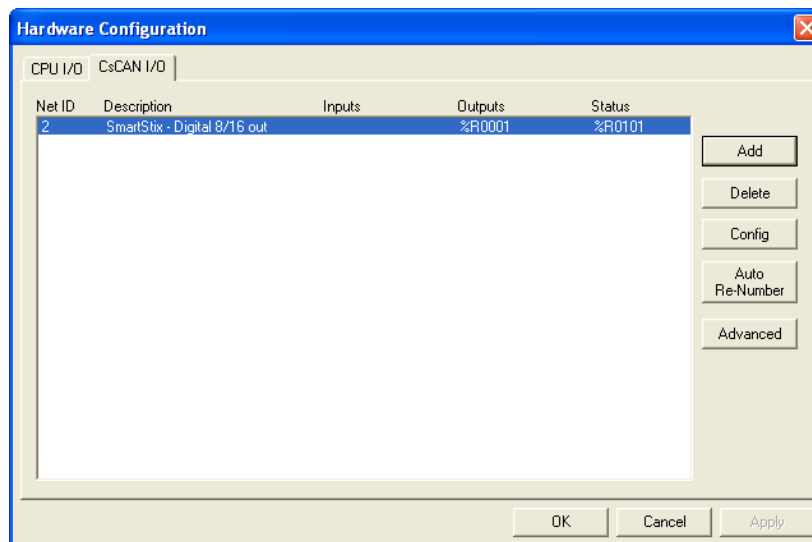
### **Configure Selected Network I/O**

1. Enter the Network ID and IO Mapping details.



The 'Configure Digital Network I/O' dialog box is shown. It has a blue title bar with a close button. The 'Network' section contains 'Network ID: 2' and 'Hex: 02'. The 'I/O Mapping' section has 'Start Digital In:' (empty), '1-BIT x 0', 'Start Digital Out: %R1', '1-BIT x 16', and 'Status Register: %R101', '16-BIT'. The 'Input Update Method' section has two radio buttons: 'Update on Change of State' (selected) and 'Update Periodically' (disabled). The 'Timeout' section has 'Comm Timeout: 1000' and 'mSec (400 mS to 25.5 Sec)'. At the bottom are 'Output Defaults', 'OK', and 'Cancel' buttons.

Hardware Configuration window will display the selected SmartStix module with details.



The 'Hardware Configuration' window is shown. It has a blue title bar with a close button. The 'CPU I/O' tab is selected. The table below shows the configuration:

Net ID	Description	Inputs	Outputs	Status
2	SmartStix - Digital 8/16 out		%R0001	%R0101

On the right side of the table are buttons: 'Add', 'Delete', 'Config', 'Auto Re-Number', and 'Advanced'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Make sure the Baud rate of the OCS is set to 125k Baud. You can check this via the system menu of the OCS under the 'View Status' option.

This completes the Lab for Configuring SmartStix Remote I/O module.

## **End of LAB 4**