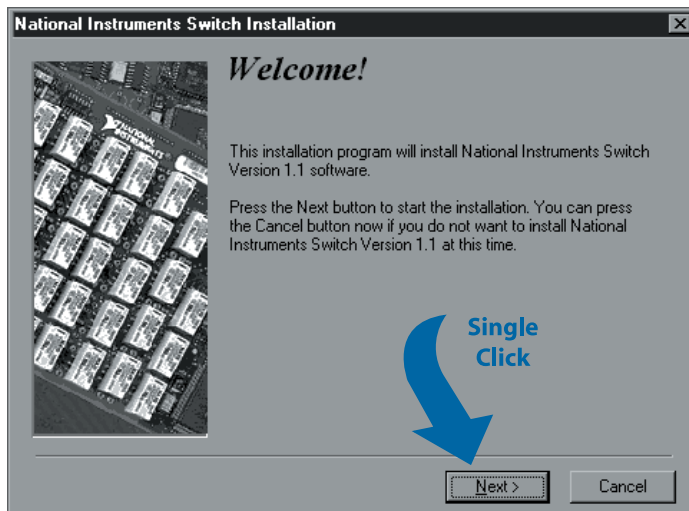
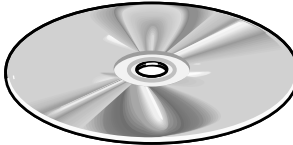


Set up and Test Your NI 2590/2591

1 Install Your Software

Insert
CD



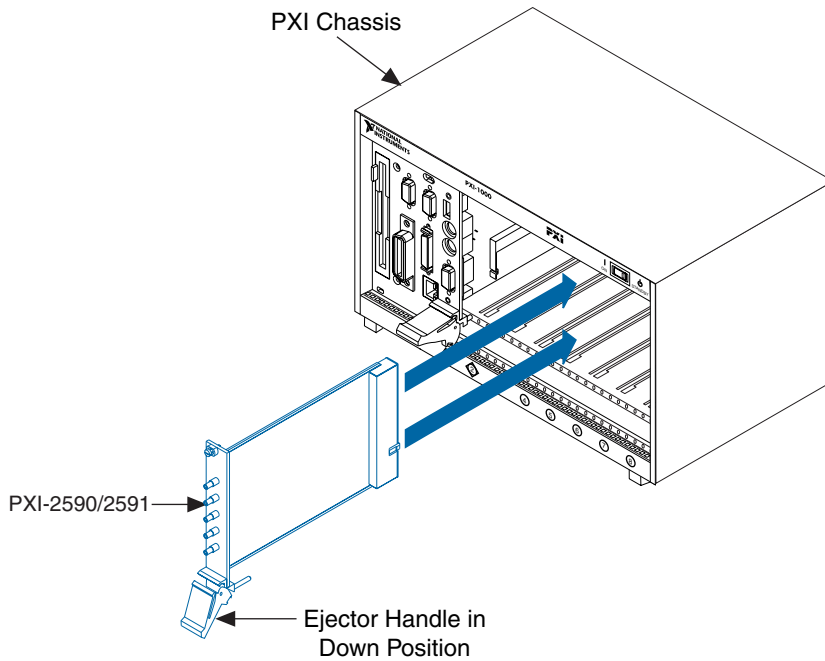
2

Install Your NI 2590/2591

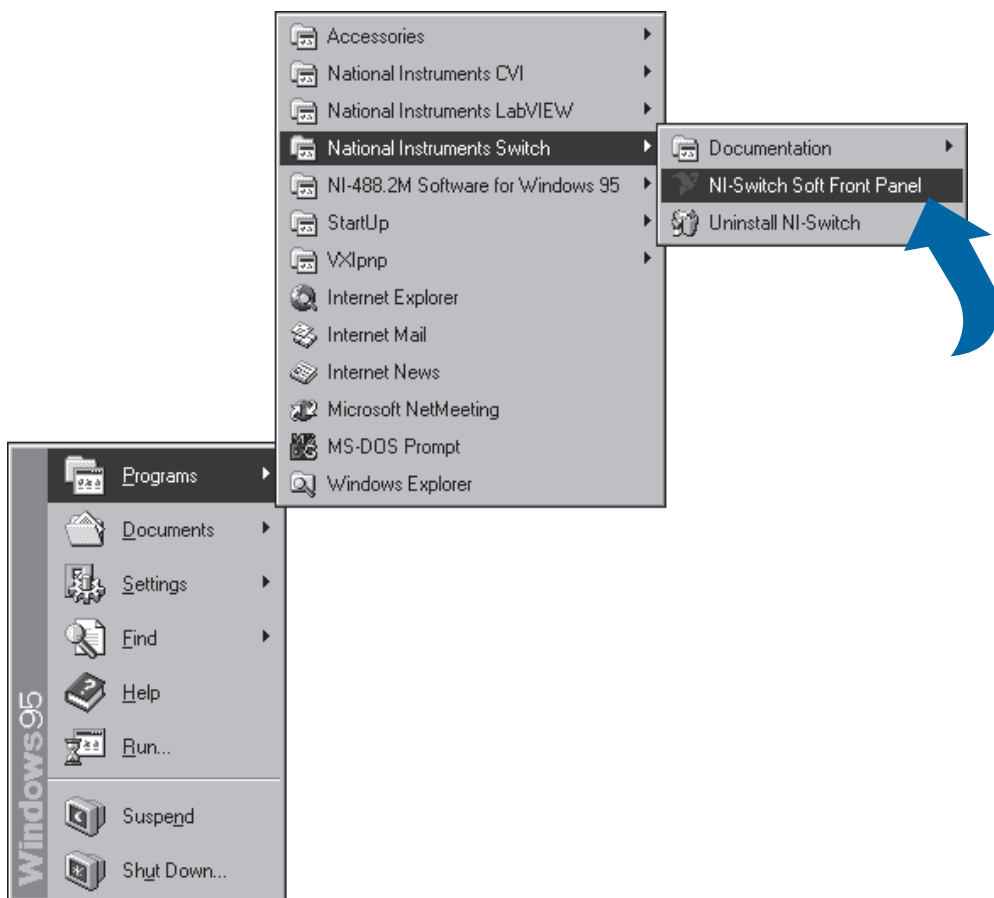


Caution

Turn the power off before installing your hardware.

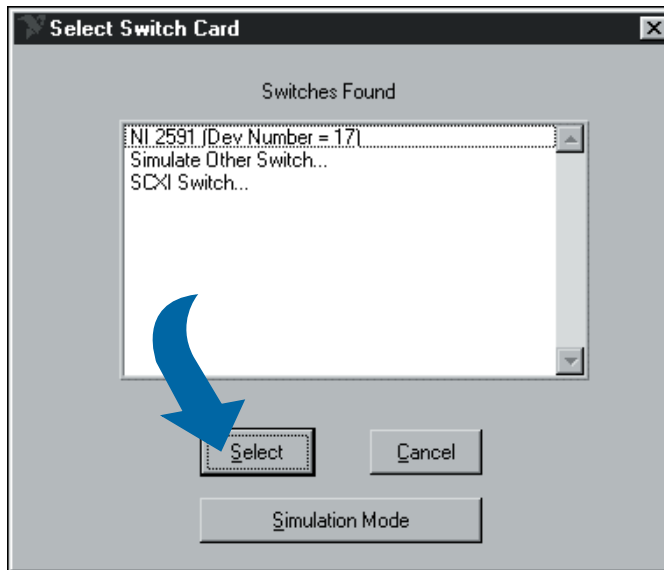


3 Run the Soft Front Panel



4

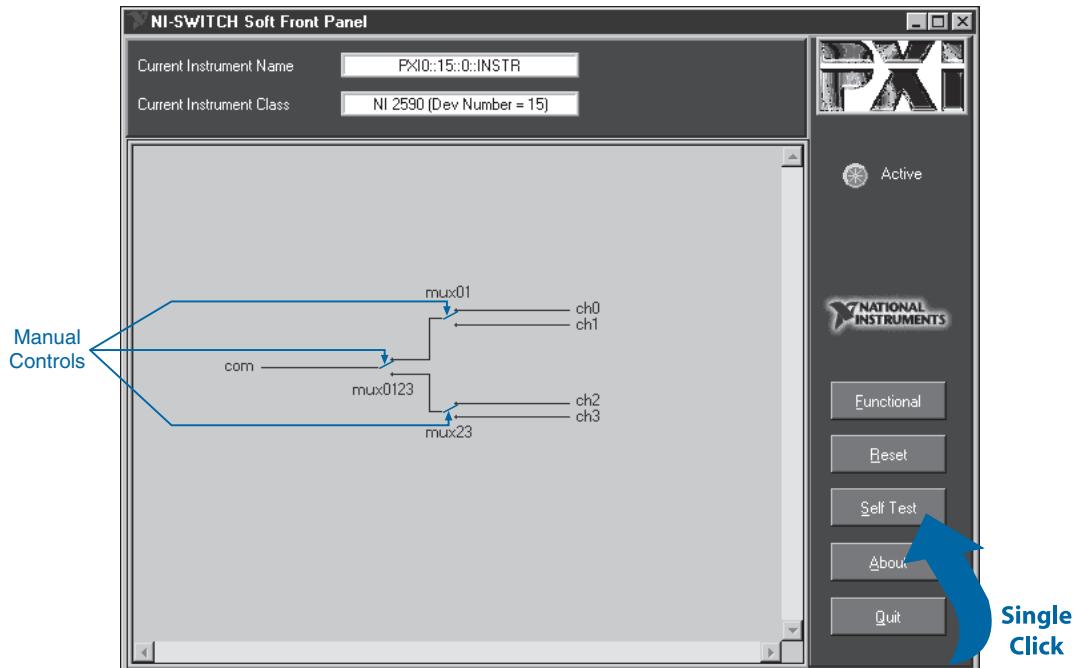
Select Your Device



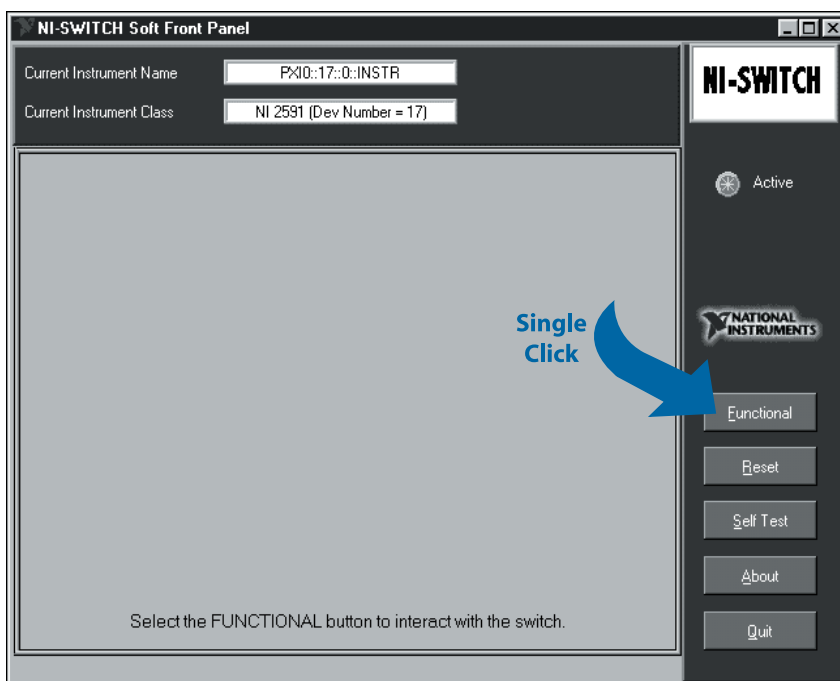
5

Verify That Your NI 2590/2591 Is Working

- ◆ NI 2590—Run the self-test.
 1. Run the self-test by clicking the **Self Test** button on the soft front panel.
 2. After running the self-test, you can check the relays by clicking the manual switch controls on the soft front panel. You will hear a click as the relay switches, and the control will indicate the position of the relay. To verify the switch position, use a continuity tester on the front panel connectors.



- ◆ NI 2591—Run the functional test to verify that the channels and relays are working correctly by clicking the **Functional** button.



After you click the **Functional** button, do the following:

1. In the **Connect** tab, select the source you want to connect, and click **Execute**.
2. On the **Disconnect all** tab, click **Execute**. This will clear the current channel settings.
3. Go back to the **Connect** tab, choose another channel to test, and click **Execute**.

Functional Control

Current Instrument Name: PXI0::17::0::INSTR
Current Instrument Class: NI 2591 (Dev Number = 17)
RIGHT-CLICK FOR HELP

Path Control | Scan Control | Attributes | Low Level Access |

Connect | Disconnect | Disconnect All | Wait For Debounce

Connect (Source): Channel 0
With (Destination): Common

General NI-Switch Reminder
Configuration Channels are needed to connect separated channels.
Examples - Multiplexer: Channel N to Analog Bus M - Requires a Common channel to be a configuration channel
Examples - Matrix: Column N to Column M - Requires a Row channel to be a configuration channel
You can make a channel a configuration channel from the Attribute Panel

Go To Attribute Panel

Return Value: x0

Execute

Close

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