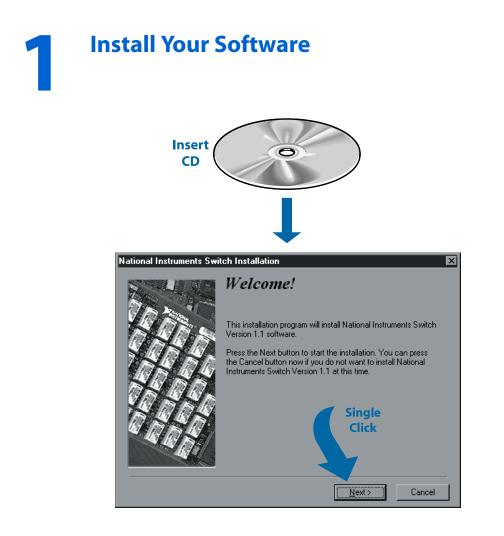
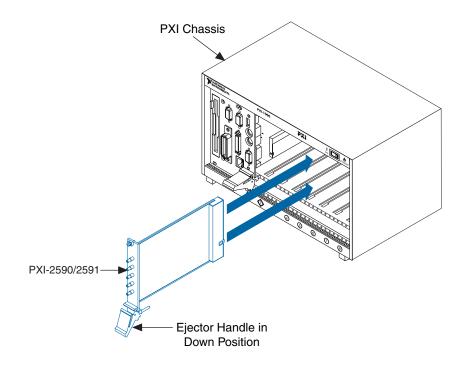


## Set up and Test Your NI 2590/2591









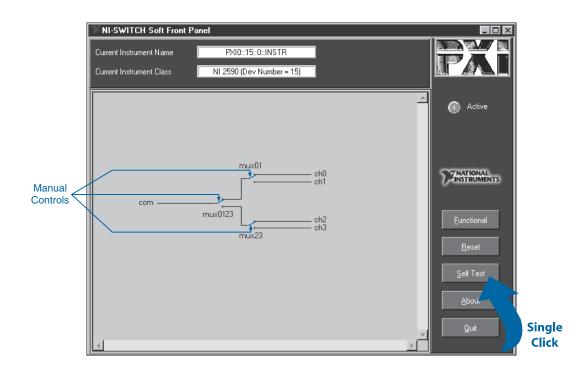
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					NI-488.2M Software for Windows 95	≯	NI-Switch Soft Front Panel
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Select S	Switch Card
	Switches Found
	INI 2591 /Dev Number = 171         Simulate Other Switch         SCXI Switch         SCXI Switch         Scale         Select         Simulation Mode

## 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.

™NI-S₩ITCH Soft	t Front Panel	1	
Current Instrument Na	ame PXI0::17::0::INSTR		NI-SWITCH
Current Instrument Cla	ass NI 2591 (Dev Number = 17)		
			🛞 Active
		Single Click	Instruments
			Eunctional <u>B</u> eset
			<u>S</u> elf Test
			About
Sel	ect the FUNCTIONAL button to interact	with the switch.	Quit

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 (C	2591 (Dev Number = 17)							
	RIGHT-C	LICK FOR HELP							
Path Control Scan Control Attributes Low Level Access									
Connect Disc	onnect	Disconnect All	1 1	Wait For Debounce					
Connect (Sourc	e))		With (Des	/ith (Destination)					
Channel 0		Common							
General NI-Switch Reminder onfiguration 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 <u>A</u> ttribute Panel									
, Return Value									
×0									
				Execute					
		Close							

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