

INSTALLATION GUIDE

NI GPIB-Serial Converter

GPIB-RS232 and GPIB-RS485/RS422

This guide includes instructions for installing and configuring your GPIB-RS232 or GPIB-RS485/RS422 hardware and NI GPIB-Serial Converter software on Windows 2000/XP.

Refer to the *NI GPIB-Serial Converter Help*, available after installing the NI GPIB-Serial Converter software, for more information about troubleshooting problems, configuring the hardware and software, programming modes of operation, and more.

Check the Hardware Configuration

The GPIB-RS232/485/422 is shipped with a 100–240 VAC wall-mount or desktop power supply. If you plan to use a different power source to power your GPIB-RS232/485/422, verify that the voltage marked on that power supply matches the input voltage marked on your GPIB-RS232/485/422.



Caution Do not operate your GPIB-RS232/485/422 at any voltage other than that labelled on the unit. Doing so could damage the unit.

The GPIB-RS232/485/422 ships with the following factory default power-on settings:

- D Mode
- 8 data bits/character
- 1 stop bit/character
- Parity disabled
- Serial port configured to 9600 baud
- Hardware flow control
- GPIB primary address 5
- GPIB secondary address disabled
- SRQ enabled

In D Mode, the GPIB-RS232/485/422 can act only as a GPIB Talker or Listener. To change any default setting, you must install the NI GPIB-Serial Converter software. For more information about D Mode settings, refer to the *NI GPIB-Serial Converter Help*, available after installing the software.

Install the Software

To install the NI GPIB-Serial Converter software, complete the following steps:

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the NI GPIB-Serial Converter software CD.
3. If the autorun application does not start, run `setup.exe` and follow the onscreen instructions to complete installation.
4. Reboot when prompted at the end of software installation.

Connect the Hardware

To connect the hardware, complete the following steps:

1. Connect either the GPIB or serial cable between the GPIB-RS232/485/422 and computer.
2. Connect the DC power plug of the DC power supply to the GPIB-RS232/485/422 hardware back panel and plug the power supply into an AC outlet.



Caution Do not operate your GPIB-RS232/485/422 at any voltage other than that labelled on the unit. Doing so could damage the unit.

Configure the Hardware

To configure the hardware, complete the following steps:

1. Move the switch on the back panel to the CFG setting.
2. Power on the GPIB-RS232/485/422, using the power switch on the front of the product.

The **PWR** LED indicator should come on immediately. The **RDY** LED indicator blinks green after the hardware has passed its power-on self test, indicating it is ready for configuration.

3. Launch the NI GPIB-Serial Converter Wizard from **Start»Programs»National Instruments»GPIB-Serial Converter**.
4. Follow the onscreen instructions in the wizard.

For more information, refer to the *NI GPIB-Serial Converter Help*, available by clicking the NI GPIB-Serial Converter Wizard **Help** button.

Technical Support

The *NI GPIB-Serial Converter Help* is available from the following locations:

- **Start»Programs»National Instruments»GPIB-Serial Converter**
- The NI GPIB-Serial Converter Wizard **Help** button

Refer to the *Technical Support and Professional Services* topic in the *NI GPIB-Serial Converter Help* for information about obtaining technical support for this product.

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