

## 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.

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

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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

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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 `Install.exe` and follow the onscreen instructions to complete installation.
4. Reboot when prompted at the end of software installation.

## Connect the Hardware

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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

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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»NI Launcher»NI GPIB-Serial Converter** on Windows 10 and 8 or **Start»Programs»National Instruments»NI GPIB-Serial Converter** on Windows 7.
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

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

- **Start»NI Launcher»NI GPIB-Serial Converter** on Windows 10 and 8 or **Start»Programs»National Instruments»NI GPIB-Serial Converter** on Windows 7
- The NI GPIB-Serial Converter Wizard **Help** button

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

# Worldwide Support and Services

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The NI website is your complete resource for technical support. At [ni.com/support](https://ni.com/support) you have access to everything from troubleshooting and application development self-help resources to email and phone assistance from NI Application Engineers.

Visit [ni.com/services](https://ni.com/services) for NI Factory Installation Services, repairs, extended warranty, and other services.

Visit [ni.com/register](https://ni.com/register) to register your NI product. Product registration facilitates technical support and ensures that you receive important information updates from NI.

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