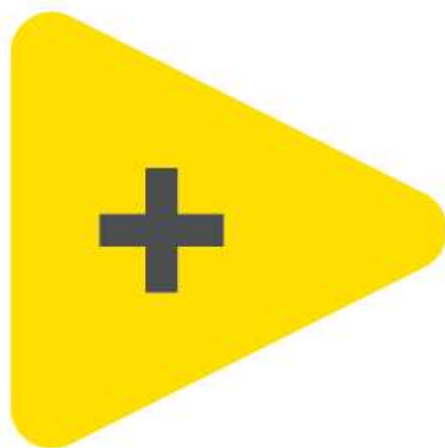


Troubleshooting LabVIEW software with Prior Hardware



LabVIEW™

Troubleshooting

Download the install LabVIEW software from the National Instruments website.

Make a note if you downloaded 32 or 64 bit LabVIEW software

DOWNLOADS

Supported OS

Windows

View Release Notes

Version

2026 Q3

Included Editions

☒ Base, Full, Professional
☐ Community
☐ Runtime

Application Bitness

64-bit

Note:

LabVIEW (64-bit) does not work with all toolkits supported by LabVIEW (32-bit). Select the application bitness for LabVIEW that is compatible with any toolkits you want to use. [Learn More](#)

LabVIEW 2026 Q3 and Drivers

Release Date

Jul/23/2026

Included Versions

2026 Q3

> Supported OS

> Language

> Checksum

Log in to download

Buy >

File Size

8.59 MB

Download Prior Software from Prior Website - <https://www.prior.com/download-category/software> .

Choose the same bit of software as your LabVIEW software or there will be a software clash/

32 Bit Prior Scientific Software - v8.6.6	Installer for Windows 7, 8, 10 & 11 32 Bit SDK and demonstration programs for ProScan, OptiScan and Slide Loader; COM DLL, FTDI USB and old PS3 III USB drivers included.	Latest Versions	Download
64 Bit Prior Scientific Software - v8.6.6	Installer for Windows 7, 8, 10 & 11 64 Bit SDK and demonstration programs for ProScan, OptiScan and Slide Loader; COM DLL, FTDI USB and old PS3 III USB drivers included.	Latest Versions	Download

Troubleshooting

Unzip the downloaded folder. Run setup.exe to install Prior's software suite and COM DLL. This is a requirement for using the labview drivers as linking the file Prior.dll to Labview is required.

 Prior_COM_Lib&driver&demo_x64 installer	04/09/2026 14:49	Windows Installer Package	15,009 KB
 readme	04/09/2026 14:49	Text Document	6 KB
 setup	04/09/2026 14:49	Application	537 KB

Download our LabVIEW driver from Prior Website - <https://www.prior.com/download-category/software> . The downloaded LabVIEW driver has example VIs that you can use to operate Prior equipment

If you require an older version of the driver, contact Techsupportuk@prior.com

ProScan Labview Driver

ProScan Labview Driver 2022

Latest Versions

[Download](#)

Download and install the latest ProScan firmware from Prior Website - <https://www.prior.com/download-category/software>. It is recommended to use the latest firmware.

ProScan III Firmware Download
C125D41J50L12LM8S28T7I8

ProScan III Firmware : Download and run tool to upgrade the
ProScan III internal firmware.

Latest Versions

[Download](#)

Troubleshooting

Run PS3_UpgradeTool.exe to update the controller and follow the instructions on screen. Power cycle the controller as instructed once the controller has been updated.

Note: If the controller is on a COM port number >16, the upgrade tool will not automatically detect the controller and the upgrade will fail. Identify the correct COM port for the controller in device manager and change it to a number <16 in this case.

 ProScan3 Software Revision Status	04/09/2026 14:55	Microsoft Word Docum...	98 KB
 PS3 Software Update Procedure	04/09/2026 14:55	Microsoft Word Docum...	20 KB
 PS3_CB.hex	04/09/2026 14:55	HEX File	564 KB
 PS3_INTERPOLATOR.hex	04/09/2026 14:55	HEX File	32 KB
 PS3_joystick.hex	04/09/2026 14:55	HEX File	132 KB
 PS3_LED.hex	04/09/2026 14:55	HEX File	65 KB
 PS3_LED_W5090.hex	04/09/2026 14:55	HEX File	61 KB
 PS3_TRIGGER.hex	04/09/2026 14:55	HEX File	30 KB
 PS3_UpgradeTool	04/09/2026 14:55	Application	107 KB
 PS3_XY_LINEAR.hex	04/09/2026 14:55	HEX File	67 KB
 PS3_XYZ.hex	04/09/2026 14:55	HEX File	84 KB
 BOOT	04/09/2026 14:55	File folder	
 FPGA	04/09/2026 14:55	File folder	

Troubleshooting

DLL Linking Example

- Open the “IZ Open” VI block diagram and right click on the object reference
- Go to “Select ActiveX Class”, and then “Browse”
- Click the “Browse Button”
- Navigate to “C:\Program Files\Prior Scientific\Prior Software”
- Select “Prior.dll”
- From the list, select the “Z (Prior.Z.1)” class (**Not “IZ”**) and click OK

Use the following command structure in LabVIEW.



If none of the above works, please open Prior Terminal, connect to the correct COM port, ensure that there are no physical obstructions in stage or focus movement, and try the following commands, each followed by a return/enter press:

- ?
- VER
- If an XY stage is connected, **VS,5000,5000**. Then, after the stage stops moving, **VS,-5000,-5000**.
- If a Z stage is connected, **U,1000** and **D,1000**.

If you are having trouble connecting with Prior software, please contact Prior Tech Support on Techsupportuk@prior.com

About Prior Scientific

Prior Scientific has manufactured precision optical and electromechanical equipment and instrumentation for over 100 years.

As the leader in the development of systems for precision motion control and microscope automation, we work closely with our partners and customers to develop customized optical and automation systems as well as providing a wide range of standard microscopy components.

We partner with system integrators and OEMs to develop prototypes, custom-built products, and complete imaging system solutions according to individual customer requirements for a variety of applications. Our integrated design and manufacturing facilities enable us to seamlessly transition from concepts to production systems.

Typical applications for our products are found in photonics, life science research, material science, nanotechnology, medical devices, metrology, and semiconductor manufacturing.

Our mission

We understand that every problem requires a unique approach. Our team works closely with customers and partners to identify their specific needs and design a cost-effective and tailored solution that meets their unique requirements. We continue to push scientific boundaries and constantly build on and improve our expertise in automated precision optical and mechanical systems.

Technical Support

If you have a technical question, you can contact our expert support team:

Tel: +44 (0) 1223 881711

Email: techsupportUK@prior.com

Visit prior.com and use our online chat

UNITED KINGDOM

Prior Scientific Instruments Ltd.
Units 3-4 Fielding Industrial Estate
Wilbraham Road, Fulbourn
Cambridge, CB21 5ET
United Kingdom
Email: inquiries@prior.com
Phone: +44 (0)1223 881711

U.S.A.

Prior Scientific, Inc.
80 Reservoir Park Drive
Rockland, MA. 02370
U.S.A.
Email: info@prior.com
Phone: +1 781 878 8442

GERMANY

Prior Scientific Instruments GmbH
Maria-Pawlowna-Str. 4
D-07743, Jena, Germany
Email: jena@prior.com
Phone: +49 (0)3641 242 010

JAPAN

Kayabacho 3rd Nagaoka Bldg 10F,
2-7-10, Nihonbashi Kayabacho, Chuo-Ku,
Tokyo 103-0025, Japan
Email: info-japan@prior.com
Phone: +81 (0)3 5652 8831

CHINA

Prior Scientific Instruments (Suzhou) Ltd.
Room 118, Meilihua Hemu Park
No. 393 Suhong Middle Road, Suzhou Industrial Park
Suzhou, 215000, China
Email: info-china@prior.com
Phone: +86 (0)512 6617 5866

