

**SerialXpress® SDX100**  
**Advanced Jitter Generation Tool for Tektronix AWG5000/B**  
**& AWG7000/B Series Waveform Generators**  
**Installation Manual**



077-0049-03

**Tektronix**



**SerialXpress® SDX100**  
**Advanced Jitter Generation Tool for Tektronix AWG5000/B &**  
**AWG7000/B Series Waveform Generators**  
**Installation Manual**

Copyright © Tektronix. All rights reserved. Licensed software products are owned by Tektronix or its subsidiaries or suppliers, and are protected by national copyright laws and international treaty provisions.

Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specifications and price change privileges reserved.

TEKTRONIX and TEK are registered trademarks of Tektronix, Inc.

SerialXpress® SDX100 is a registered trademark of Tektronix, Inc.

MATLAB®. Copyright 1984 - 2007 The MathWorks, Inc.

## **Contacting Tektronix**

Tektronix, Inc.  
14200 SW Karl Braun Drive  
P.O. Box 500  
Beaverton, OR 97077  
USA

For product information, sales, service, and technical support:

- In North America, call 1-800-833-9200.
- Worldwide, visit [www.tektronix.com](http://www.tektronix.com) to find contacts in your area.

---

# Table of Contents

Installing the Software .....	1
Manuals on the CD-ROM .....	1
Minimum System Requirements .....	1
Pre-requisites .....	2
Installation Procedure .....	2
Launching the Application and Online Help .....	3
Uninstalling the Software.....	3



---

# Installing the Software

This document contains installation information and the system requirements for the SerialXpress software.

## Manuals on the CD-ROM

The SerialXpress documentation is provided in the Documentation folder on the SerialXpress Application CD. This folder contains the following manuals:

- SerialXpress User Manual.pdf
- SerialXpress Quick Start User Manual.pdf
- SerialXpress Installation Manual.pdf
- SerialXpress Programmer Manual.pdf

You can read and print the manuals using Acrobat Reader Version 5.0. If you do not have Adobe Acrobat reader installed on your computer, you can install Acrobat Reader Version 9.0 from the CD Browser or from [www.adobe.com](http://www.adobe.com).

## Minimum System Requirements

SerialXpress when started without the AWG software runs in the offline mode. The following table lists the minimum system requirements for the offline mode of the SerialXpress software:

**Table 1: Minimum system requirements**

<b>Supported OS</b>	Windows XP Professional Service Pack 2.1 Windows Vista Business Edition (English Language)
<b>Minimum requirements</b>	2.0 GHz or higher 1 GB RAM 2 GB free disk space 1024 x 768 display resolution with 120 dpi font size

You will need TekVISA version 3.3.2.7 or above to send data to a Tektronix arbitrary waveform generator. If TekVISA is not already installed on your PC, you can download the software from [www.tektronix.com/software](http://www.tektronix.com/software). You can also install TekVISA from the application CD Browser.

## Pre-requisites

The following components must be installed on your instrument (PC or Tektronix arbitrary waveform generator) for the SerialXpress application to run.

- MATLAB Runtime version 7.6 is installed on your instrument. You can install MATLAB Runtime version 7.6 from the path \MATLAB Runtime on the application CD or from the web release package.
- .NET v2.0 is installed on your instrument. You can install .NET v2.0 from the path \.Net Framework on the application CD or download from [www.microsoft.com](http://www.microsoft.com).
- TekVISA is installed and running. You can download the latest TekVISA at [www.tektronix.com/software](http://www.tektronix.com/software). To define the search criteria, use TEKVISA in the Keyword field. You can install \TekVISA from the application CD Browser.

## Installation Procedure

1. Insert the SerialXpress CD-ROM into the CD-ROM drive.
2. If the installation program does not automatically start, find `launch.exe` on the CD Browser and double-click it. The CD Browser opens.
3. Follow the instructions given by the InstallShield wizard.

The installation follows this sequence of steps: Splash Screen, Welcome, License Agreement, Choose Destination, Ready to Install the Program, Setup Status, and Installation Complete.

Before the installation begins, the wizard checks for the presence of MATLAB Runtime version 7.6 and .NET Runtime version 2.0. If these components are not found, a message appears recommending you to install them.

4. When the installation is complete, the message “SerialXpress Software Setup completed successfully” is displayed. If you do not have TekVISA version 3.3.2.7 or above, SerialXpress detects this and prompts you to install this before running SerialXpress.
5. Click **Finish** to exit.
6. The DK2 DESkey Driver installation begins. Use the default options to install the drivers. Once the installation is complete, click **Finish** to exit.
7. Restart the PC once the installation is complete.

---

**NOTE.** *In Windows Vista, you must always run SerialXpress with Administrator privileges. To do so, right-click either on the SerialXpress desktop shortcut or on the SerialXpress application from **Start > All Programs > Tektronix SerialXpress**. Select **Run as Administrator** from the shortcut menu.*

---



## Launching the Application and Online Help

After you have installed the application, you can run the SerialXpress software by clicking **Start > All Programs > Tektronix SerialXpress > SerialXpress** or by clicking the shortcut on the desktop.

You can display the online help by clicking **Start > All Programs > Tektronix SerialXpress > SerialXpress Help**. You can access all pdf documents by clicking **Start > All Programs > Tektronix SerialXpress > Documentation**.

## Uninstalling the Software

You can uninstall the software in one of two ways:

1. By clicking **Start > All Programs > Tektronix SerialXpress > Uninstall SerialXpress**.
2. By selecting **Add/Remove Programs** in the Control panel.

---

**NOTE.** *Uninstalling the application, does not uninstall the DK2 DESkey Drivers. To uninstall the DK2 DESkey Driver, select **Start > Control Panel > Add/Remove programs > DK2 DESkey Drivers 7.14.0.25**.*

---