KIKUSUI

Sequence Creation and Control Software Setup Guide

SD023-PLZ-5W Wavy for PLZ-5W
Ver 5.2

SD023-PLZ-5W Wavy for PLZ-5W is a software that creates and executes sequences of Kikusui's electronic load devices (see 「Versions of this software and supported models」).

- You can create and edit sequences easily by using a mouse.
- During sequence execution, the software indicates the point being executed.
- You can monitor the voltage and current, and save the monitored data to a file.
- The software displays the monitored data as a real-time monitor graph.

■ Versions of this software and supported models

SD023-PLZ-5W Wavy for PLZ-5W now supports PLZ-5WH2 series and PLZ-5WH series starting with Ver. 5.2.

SD023-PLZ5W versions	Compatible electronic load devices		
	Series	Models	Firmware versions
Ver. 5.0 or later	PLZ-5W series	PLZ205W PLZ405W PLZ1205W	Ver. 1.0 or later
Ver. 5.0 or later	PLZ-5W SR series	PLZ6005W SR PLZ10005W SR PLZ15005W SR PLZ20005W SR	Ver. 1.0 or later
Ver. 5.1 or later	PLZ-5WZ series	PLZ205WZ PLZ405WZ PLZ1205WZ	Ver. 1.09 or later
Ver. 5.2 or later	PLZ-5WH2 series	PLZ1005WH2 PLZ2005WH2 PLZ4005WH2 PLZ12005WH2 PLZ20005WH2	Ver. 2.1 or later
Ver. 5.2 or later	PLZ-5WH series	PLZ12005WH PLZ20005WH	Ver. 2.1 or later

- To check the version, on the Help menu, click About Wavy.
- For instructions on how to view the firmware version, see the electronic load operation manual.

■ Package contents

- Program CD-ROM
- SD023-PLZ-5W Wavy for PLZ-5W Setup Guide (this guide)

■ Trademarks

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■ Notations used in this guide

- Sequence creation software SD023-PLZ-5W Wavy for PLZ-5W is also referred to as Wavy for PLZ-5W or Wavy.
- "PC" in this guide is a generic term for personal computers and workstations.
- In this guide, operations on Windows 11 are described when explaining operations related to the OS.
- The screens used in this manual may differ from the actual items.
- The following markings are used in this guide.

  NOTE   Indicates information that you should know.

  >   Indicates the menu command you need to select. The menu command to the left of ">" is the higher level command.

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Safety precautions

Before you use the software, read the operation manual of the related equipment, and be sure to make connections and handle the device properly.Improper connections or handling can lead to serious accidents, injury, and fire

System requirements

- A PC with core i5 or higher
- Windows 11 or Windows 10
- 8 GB RAM (Minimum)
- 20 GB or more of free hard-disk space
- A display that supports 1366 x 768 or higher resolution (Display scale: 100 % recommended)
- CD-ROM drive
- Mouse
- RS232C, USB, LAN, or GPIB (depending on the interface to use)
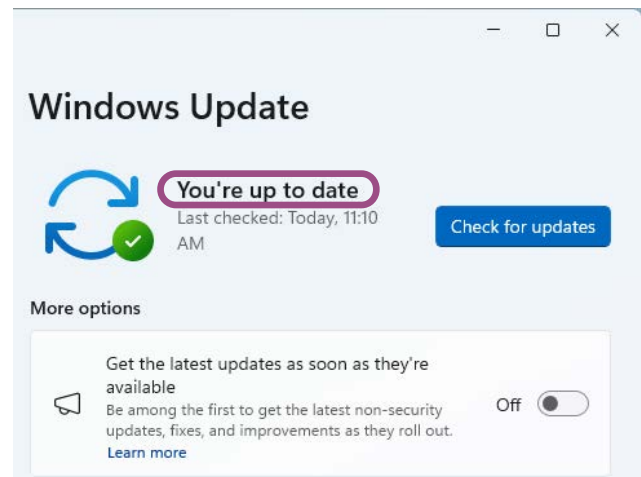- VISA library (IVI VISA specification 5.0 supported)

Windows Update

If you want to run the software stably over an extended period to conduct tests, you need to be careful about the automatic updates in Windows.

Before conducting a test, thoroughly read and make sure you understand the instructions given below to set up a highly stable OS environment as much as possible.

■ Running Windows Update

Run Windows Update to update the OS to the latest condition (in which "You're up to date" is shown).

When the downloading of the update file is complete, Windows will be in an installation-wait state or restart-wait state after installation. If you attempt to start the software to conduct a test while the PC is in the above state, Windows may restart automatically even when the PC is not connected to the Internet. Be sure to select Install Now or Restart Now to complete the installation of the update program.

Example of Windows 11

■ Windows Update settings

With the default Windows Update settings, when connected to the Internet, Windows automatically runs Windows Update and restarts the PC using the update program. If the software is running, Windows will automatically restart even when a test is in progress, and this will result in the interruption of the test.

If you want to run the software over an extended period to conduct tests, we recommend you to reschedule installation of update program for a later date by making settings in Windows Update.

Installation

You need to log on as an administrator to install the software applications.

Close all software applications running on your PC. The software may not be installed properly if virus protection software is running. Disable virus protection software until the installation is complete.

Installing the VISA library

To use Wavy, VISA library needs to be installed on your PC.

VISA (Virtual Instrument Software Architecture) library is a standard specification for measurement instrument connection software, which was developed by VXIplug&play Systems Alliance.

A KIKUSUI original KI-VISA is available that supports IVI VISA specifications 5.0. You can download the latest version of this library through our website (https://www.kikusui.co.jp/download/).

- KI-VISA Ver 5.5 or later

The following other VISA libraries can also be used. Confirm the license terms of each VISA library before installation.

- NI-VISA by National Instruments (Ver.19.0 or later)
- Keysight VISA by Keysight Technologies (Keysight IO Libraries Suite18.1 or later)

■ **Installing KI-VISA**

If NI-VISA or Keysight VISA is already installed on your PC, you do not need to install KI-VISA.

1 **Insert the CD-ROM to your CD-ROM drive.**

A setup window appears. Otherwise, double-click "AutoRun.exe" included in the CD-ROM.

2 **Click Install under 1. The installation of the VISA library.**

Click Install (x64) for 64-bit OS or Install (x86) for 32-bit OS.

The VISA library installation initiates.

In case that a VISA library has already been installed, the VISA library and its version are displayed.

Do not install multiple VISA libraries on a single PC.

NOTE

kivisa_x_x_x(x64).exe contains two software packages, KI-VISA (x64) and KI-VISA (WOW64). When KI-VISA (x64)has been successfully installed, the installation of KI-VISA (WOW64) begins. Be sure to confirm that the installation of KI-VISA (WOW64) has finished successfully.

Installing Wavy

1 **Insert the CD-ROM to your CD-ROM drive.**

A setup window appears. Otherwise, double-click "AutoRun.exe" included in the CD-ROM.

2 **Click Install under 2. The Installation of WAVY.**

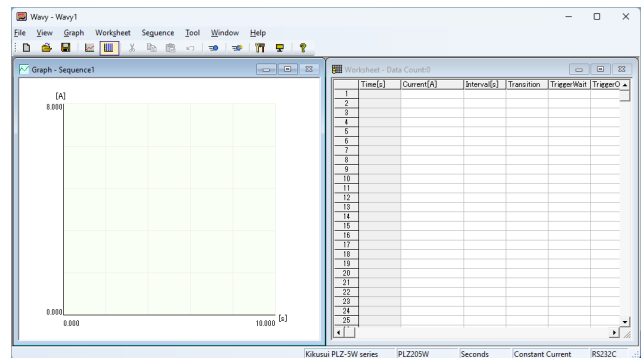**3** **Follow the instructions until the installation is complete.**

Uninstalling Wavy

Right-click Windows Start, and select Apps & Features > Kikusui SD023-PLZ-5W > Uninstall.

Starting Wavy

NOTE

- Before starting Wavy, make sure that the power-saving mode and the screen saver are turned off and all the other applications are closed on your PC.
- When your PC supports either Advanced Power Management (APM) or sleep mode, turn off these functions.
- Changing the DPI setting may result in improper appearance of the display.

To start Wavy, from the Windows Start menu, select All apps > Kikusui SD023-PLZ-5W > Wavy for PLZ-5W.

Viewing the User's manual

The User's manual[1] contain information on how to use Wavy and description of interface settings.

On the Help menu, click Help Topics. Or from the Windows Start menu, select All apps > Kikusui SD023-PLZ-5W > User's Manual (English).

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1. Starting with SD023-PLZ-5W Ver. 5.2, the name of the manual has been changed from Operation Guide to User's Manual.