ABB AB, Robotics Products

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Release Notes for WebWare SDK 4.9

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General

Thank you for purchasing WebWare SDK. This file contains release notes for WebWare SDK 4.9 and includes any last minute information that could not make it into the product documentation. It also contains tips and information regarding known problems which can help you to get the most out of WebWare Server.

We recommend you review this document before installing and using WebWare Server.

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Release Information

Release Name

The release name is WebWare SDK 4.9

The release contains the following components:

- ❑ WebWare SDK 4.8.0180
- ❑ Interlink Module 4.8.0180
- ❑ SPL 2.1

Release Information

The information should be considered as last minutes information and most up-to-date.

Release Date

The release date is **2009-01-15**

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Supported Platforms

The following section lists the hardware and software requirements for WebWare SDK 4.9. Adding our recommended hardware and software components to the required components will maximize system performance and reliability in both large and small systems.

Computer Hardware and Software Requirements

The hardware and software requirements of WebWare SDK are described in the following sections.

Hardware Requirements

The list below details the hardware requirements for running the WebWare SDK:

- ❑ Late model Intel processor
- ❑ 512 megabytes RAM
- ❑ 2 gigabyte available hard disk space
- ❑ SVGA compatible display (1280 x 1024 resolution recommended)
- ❑ Microsoft compatible mouse
- ❑ Network adapter configured with TCP/IP or a serial communication port (SLIP)
- ❑ A null modem cable is needed for a SLIP connection to the robot controller (see appendix in manual for wiring requirements).
- ❑ CD-ROM drive

Software Requirements

The WebWare SDK requires that the following software is installed prior to the installation of WebWare SDK:

Development Environment

- ❑ Microsoft Windows 2000 Professional with Service Pack 4
- ❑ Microsoft Windows XP Professional with Service Pack 3
- ❑ Microsoft Visual Studio 6.0 (Visual Basic/Visual C++)

Run-time Environment

- ❑ Microsoft Windows 2000 Professional with Service Pack 4
- ❑ Microsoft Windows XP Professional with Service Pack 3

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Installation and Compatibility

The WebWare SDK comes with an installation program named *setup.exe* that installs the software on your hard drive. Follow the steps below to install the WebWare SDK. For more information regarding the installation, please see the WebWare SDK Installation and Setup Guide.

To install WebWare SDK, you must have system administrator privileges.

1. Close all open applications on the desktop.

2. Uninstall any older versions of the WebWare SDK.

3. Start the installation by running *setup.exe* from the WebWare SDK installation CD. Follow the instructions in the dialogs.

4. Just before the installation has completed, the license key request wizard will be launched. Fill in all necessary information and transfer the license key request file to ABB over the Internet or using e-mail.
   The license key request can be generated after the installation by using the shortcut under Start > Programs > ABB Industrial IT > Robotics IT > Licensing > License Key Request Wizard.

WebWare SDK 4.9 was verified with

- S4C+ RobotWare version 4.0.127

- IRC5 RobotWare version 5.11.01

RobotStudio 3.x, QuickTeach or ProgramMaker

Follow the steps below to run RobotStudio, QuickTeach or ProgramMaker on the same computer as WebWare SDK.

1. Log in with local administrator rights.

2. Close all applications except Windows.

3. Install RobotStudio, QuickTeach or ProgramMaker.

4. Install WebWare SDK.

   Please follow steps 5 and 6 to configure Interlink as an Out-Of-Process Server.

5. Start the "Command Prompt" (Start-Menu ➜ Run… ➜ write cmd ➜ press "OK").

6. Enter the following text in the Command Prompt window :
   c:
   cd
   cd program files/common files/abb automation/interlink
   interlink –unregserver
   interlink –regserver

7. Now you should be able to run WebWare and RobotStudio, QuickTeach or ProgramMaker on the same computer.

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Robot Studio Online 5.10 incompatibility

Robot Studio Online 5.10 use a license model incompatible with Webware.

Do not install Webware Server or Webware SDK on a machine equiped with RSO 5.10 as the license will not be working and Webware will not work.

This is solved with RSO 5.11.

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Known Product Limitations

Definition of alias IP address not possible as a Power User

When defining an alias IP address, the creation of the IP address will fail. This is due to the security set on the folder where the hosts file resides. To create alias IP addresses as a Power User, a system administrator must grant full-control access to the directory WINNT\System32\drivers\etc.

WebWare SDK installation cannot be changed

If the WebWare SDK installation needs to be changed, you are required to remove the program and install it again using Start > Control Panel > Add or Remove Programs.

InterLink.exe can be registered as service when IRC5 support is installed

If support for IRC5 controllers is installed, Interlink.exe will be registered as a service by default and will be started automatically when the computer is restarted. This feature is supported as of RobotWare 5.06.

S4XData

It is not possible to write an S4Xdata to an IRC5 system.

Possible to Access big arrays variables for IRC5

It is not possible to write to arrays larger than app 400 elements. If so is done interlink will return -1115.
It is still not recommended to poll and read/write frequently big arrays or records as it is time and process consuming.

Modem/IRC5

Interlink does not connect to an IRC5 robot via Modem line.

Interlink connections

Only one interlink connection per robot

Help files from older installation replaces newer.

If one first installs a product with SPL 2.1 and then installs a product with SPL 1.11 or SPL2.0, the help file from SPL 1.11 or SPL2.0 will overwrite the SPL 2.1 help file.

Uninstalling the last product leaves several SPL files

The SPL 2.1 is a shared component and will not uninstall until the last ABB licensed product is removed from the PC. Unfortunately there are several files that are left on the PC after uninstall in the C:\Program Files\Common Files\ABB Industrial IT\Robotics IT\Licensing directory.

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Uninstallation of Products with SPL 1.11 removes files

The installer that was released with SPL 1.11 had critical shortcomings with regards to the XML files that are needed by both SPL 1.11. and SPL 2.1. The problem occurs when a customer with an SPL 1.11 product installs a newer product with SPL 2.1 and then uninstalls the older product. The SPL 1.11 uninstaller removes files needed by SPL 2.1. A customer experiences the problem when trying to run the Software Product Administrator (SPA) or trying to install new licenses. For the SPA the user will get the warning that the Short Cut is missing. For license installers, the user will get a dialog box with instructions on how to repair the installation. The installation can be automatically repaired by the user by going to Add & Remove Programs and choosing Repair on the newest ABB Robotics IT product that was installed.

LicenseKeyRequestWizard removed from Start Menu shortcuts

A PC with SPL1.11 and/or SPL2.0 and SPL2.1 products installed will have the LicenseKeyRequestWizard removed from the Start Menu shortcuts after uninstalling the SPL1.11 or the SPL2.0 product.

Shortcut in Start menu calls an old LKRW when installing 1.11 on 2.1

If an SPL 1.11 product is installed over an SPL 2.1 product the shortcut in the start menu will launch the License Key Request Wizard installed with the SPL1.11 product.

lsinit32 file disappears when uninstalling older version

The lsinit32 file will be removed from the license library if the customer uninstalls the last SPL2.0 product on the PC. This will cause problem if an SPL2.1 product   is installed on the same PC. The problem will appear when requesting for a new license (the products will not appear in the available product list) and when open up the SPA (no products will be displayed). The installation can be automatically repaired by the user by going to Add & Remove Programs and choosing Repair on the newest ABB Robotics IT product that was installed.

The security settings are not set if the firewall is 'off'

The security settings application which runs during installation requires that the firewall is on. If not, none of the settings are applied.

Silent mode/XPSP2

If the silent mode installation detects XP SP2, the installation will generate a question.
The full silent mode is not supported any more.

Operating System

Win 9.x, WinME, Windows Server 2008 and Windows Vista are not supported for Webware installations

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Robapi/FTP Client in IRC5

The number maximum of clients (Webware, RoboStudio Online, IRC5 OPC Server…) that can be connected to an IRC5 .simultaneously is 3 for the Lan port and 1 on the Service port.

New error codes may be displayed in Interlink Monitor

IRC5CONFAIL_LIMITREACHED=23

IRC5CONFAIL_ALREADYLOGGEDON=24

The maximum number of FTP clients is 4.

IRC5 on different subnet

If the controller resides on a different subnet than the Data Collector, i.e. a remote controller it will not appear in a scan, a specific configuration is needed to connect to these robots.

Please contact your local ABB technical support for specific configuration.

S4CurrentPositionGet multimove

S4CurrentPositionGet is not supported for Multimove IRC5 robots to get the position of two robots at the same time.

In general Multimove specific features may not be supported by Webware SDK

GetFileDev Information

The method GetFileDevInformation who return size information was incorrect for some IRC5 robots this is fixed now.

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