

RobView 5 requirements:

- Microsoft .NET Framework 4.6.1
- Microsoft XNA Framework Redistributable 4.0 or: Microsoft XNA Game Studio 4.0.
- Microsoft SQL Server 2014 Express or SQL Server 2008SP2 Express
- Microsoft Visual C++ 2013 Runtime Libraries (x86) and Microsoft Visual C++ 2015 Runtime Libraries (x86)
- ABB Robot Communication Runtime 6.04 or ABB Robot Studio 6.04

The preferred way of upgrading RobView 5 is to connect the PC to internet and run the setup.exe file this will download prerequisites apart from Robot Communication Runtime. All needed prerequisites are available for download from (<http://www.robview.com/Prerequisites/>).

RobView needs Robot Communication Runtime 6.04 or Robot Studio 6.04 to communicate with Robot controller. If previous version of Robot Communication Runtime is already installed on PC, its recommended to uninstall this before installing new version.

New features

Global Server Group

New screen under PlantStructure setup with option to configure a global tag list that can be shared across all user screen views. Screen also allows for easy reconfigure of tags to new servers when moving projects between sites, and info about availability of tags.

User Screen

Dropdown Box

New control that allows a mapping between a number and display string for more user friendly screens.

Global data server group to share between screens (setup once use multiple times)

Cell control

Option to clear(set signal to 0) after sending a command

Added option to send arg9 and arg10 in RW6

Signal Setter

Possible to disable user Input in design and on triggers

Improvements to design options; max width of display text, control what side label is shown.

Led

Added design option to control what color the led is when signal is 0

Triggers

Added option to change location of signal Setter and action button using triggers

Socket Command signal

possible to send PCP commands using SocketCommand signal on RW6

Generic File Editor

Option to check Rapid (mod) file for syntax errors

Improvements to error window

Added undo and redo buttons, actions also available on keyboard shortcuts (CTRL+C, CTRL+V)

Shop Floor Editor

Added option to edit program in text mode and check program for syntax errors

Option to do search and find and replace in text window

Support for users to configure custom tools to be shown in 3d view

Support for more move instructions (MoveLSync, MoveLAO, MoveLDO, MoveLGO, MoveJ) as part of 3d view to understand path of robot

Design

Consistent look across plugins for Save/SaveAs/Load from Robot and PC

Consistent question across plugins for save when leaving a modified file

Fixes

Settings

not possible to save files without doing restart if changed between using and not using version control

Activation link for manual activation is wrong in some languages

Improvements to memory usage of RobView, also a number of fixes to OutOfMemory Exceptions

Installation

Error message if Visual C++ 2015 redistributable already installed

Installation failed if RobotStudio is installed before installing Communication Runtime

Editors:

RobView: Save dialogue message box missing for Add a color editor, alias editor and IPS Parameter editor

UserScreens:

CellGroup: not possible to send argument 9 and 10 that RW6 supports

CellGroup: Calibrate IPS Curve is not sent correctly to robot

Problem with Minimizing and maximizing RobView with User Screen

Improvements to performance when switching between the Edit and Run Mode

Duplicate Entry in Job Queue control when a new program is appended

Minor improvements to Process Status control; Colour number missing, wrong status on Applicator

Triggers: <, > triggers does not work with OPC tags if value is set from RobView

Alias Editor

Exception on saving with null character in Index column

Brush Editor:

Can't Edit Brush Tables when running with IPS 4.30, always get tempstorage dialog

Exception if number of brush input is empty

Selecting/Deselecting a machine closes the local brush table

CBS

unnecessary log messages written every 2 sec to internal log
RobView crash on sending reset CBS

Color Change Editor

if empty value is entered RobView crashes
Space is added in front of value when going to text mode with python files
Exception when trying to open file on robot

Generic File Editor

Ambiguity in the selection of file and the content displayed
Error indicating line is not removed even after correcting the error

IPS Explorer

Displays IPS structure of a machine even after machine is unselected
data values are remembered on controller warm start

Production Data:

Argument "%U" is not parsed correctly

Shop Floor Editor

Improvements to Translation of plugin
Scroll when a brush event is selected, jumps to first or last robtarget
Clear selection only clears selection in graphical view
Pressing delete key in instruction edit removes moveinstruction/setbrush
Slow update response on undo
Not possible to close SFE if the error provider reports an error
Motion path is changed if converting to robtarget in program with MoveC or PaintC
RobView crash when pressing column header in robtarget table view
Opening the same module to discard all the changes made is not possible
Exception when saving readonly file
Shift+ Arrow key does not select move instructions after selecting a Move Instruction in Tree Structure
Aspect ratio of 3d drawing is usually wrong after resize

Program Visualizer

Error loading "Tools\Paint\Bell_G1". File not found

S4pConverter

Not possible to convert brushdata

Signal Analyzer

Signals cannot be logged message are displayed multiple time in internal log
Get multiple trigger events for simple trigger when signal does not change value
RobView crash when putting computer to sleep
Out of memory exception when adding to data change list

Incompatibilities

Not possible to run latest RobView 5 on Windows XP

RobView 5 has been upgraded to run on Microsoft .NET 4.5. Running RobView 5 on a PC with only .NET 4 is no longer supported. This means it is no longer possible to run RobView 5 on Windows XP.

Issue with "ABB Label" in User Screens jumping to new position when going between run and edit mode if font is not default ("Microsoft Sans Serif, 8.25pt"). If font size, name or Font style is changed it will jump some pixels to the right depending on the value of properties.

Slow updates on OPC signals on user screen: There is an issue with using OPC signals in data server groups that are not always active. If always active property on the data server group is set to false when the user screen that have this group goes out of focus, signals will no longer be updated. When switching back to this screen there will be a 2 - 10 seconds period where signals can be in the wrong state.

Workaround: Use global Server group or set the data server group property to always active to True

RobView setup.exe will install Microsoft SQL Server 2014 Express on PCs where SQL Server is not installed. If an upgrade of SQL Server is wanted, install the new version separately. An upgrade from SQL Server 2008 to 2014 require SP3 for SQL Server 2008 to be installed in advance. SQL Server 2014 is not supported on Windows Vista. But it's possible to run RobView with SQL Server 2008 on Vista, but this must be installed manually before RobView

RobView 5.2

RobView version 5.2 and later can communicate with RW6 controllers, using RobAPI2, while version 5.1 or earlier cannot.

Note: RobView 5.2 is still backwards compatible with RW5.

User data

All data created by RobView 5 will now be stored under the ProgramData folder, separate from the program files. The goal of this is to separate application from data to make it easier to backup and restore user data. Instead of having multiple folders spread in the program files we will now have, one folder that only contains user data.

On upgrade to new version of RobView 5 old user data files will be moved to new location automatically.

The path to user data will be "C:\ProgramData\ABB Industrial IT\Robotics IT\RobView5"