

Release Notes
Painting PowerPac

2019.5

Revision: A

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1 Release Information

1.1 General

Release Name

The release name is **Painting PowerPac 2019.5** and build number is **6.10.1011.1039**

This should be used together with **RobotStudio 2019.5** onwards.

The information should be considered only as last minute information.

Release Date

The release date is **Dec 19, 2019**.

Language Support

Painting PowerPac User Interface is available in English and German language.

Documentation

User documentation for Painting PowerPac is available from the **Help** button in the Painting PowerPac ribbon tab.

The documentation in PDF format is also available together with the installation package.

1.2 System recommendation

Recommended Software

Operating System	
Microsoft Windows 7 SP1 (recommended)	64-bit edition
Microsoft Windows 10 (recommended)	64-bit edition

Recommended Hardware

CPU	2.0 GHz or faster processor, multiple cores recommended
Memory	8 GB if running Windows 64 bit edition (recommended)
Free disk space	10+ GB free space, solid state drive (SSD)
Graphics card	High-performance, DirectX 11 compatible, gaming graphics card from any of the leading vendors. For the Advanced lightning mode Direct3D feature level 10_1 or higher is required.
Screen resolution	1920 x 1080 pixels or higher is recommended
Colors	256 or higher
DPI	Normal size (100% / 96 dpi) up to Large size (150% / 144 dpi)
Mouse	Three-button mouse
3D Mouse [optional]	Any 3D mouse from 3DConnexion, see http://www.3dconnexion.com .

1.3 Simulation Models

Paint Tools

The following Paint Tool Libraries are made available in the Painting folder of the ABB library:

Tools	
AGMD_PRO	RB1000_WSC_40_700
CGS500cc	RB1000_WSC_50_500
CGS700cc	RB1000_WSC_50_700
CGS1200cc	RB1000_WSC_70_500
Ecco_70AS_03	RB1000_WSC_70_700
G1_COPEs_02	ROBOBEL625TD
G1_Direct_Charge_03	ROBOBEL926_T_TD_03
RB031	ROBOBEL926_WTD_MC_03
RB1000_EXT_L	ROBOBEL951_T_TD_02
RB1000_EXT_S	ROBOBEL951_WTD_MC_02
RB1000_WSC_30_500	ROBOBEL951_2K_02
RB1000_WSC_30_700	ROBOBEL1000_SAD_02
RB1000_WSC_40_500	ROBOBEL1000_SSD_02_70
RB1000i_EXT_SAD_L	RB1000i_EXT_SAD_S
RB1000_CE_D30L	

2 What's New?

Overview

This section contains information about the new features of Painting PowerPac 2019.5

3 Corrections/Improvements

Overview

This section describes the corrections/improvements made in Painting PowerPac 2019.5

4 Known Limitations

Overview

This section describes the known limitations in Painting PowerPac

4.1 Painting PowerPac 2019.5

4.2 Manage Systems

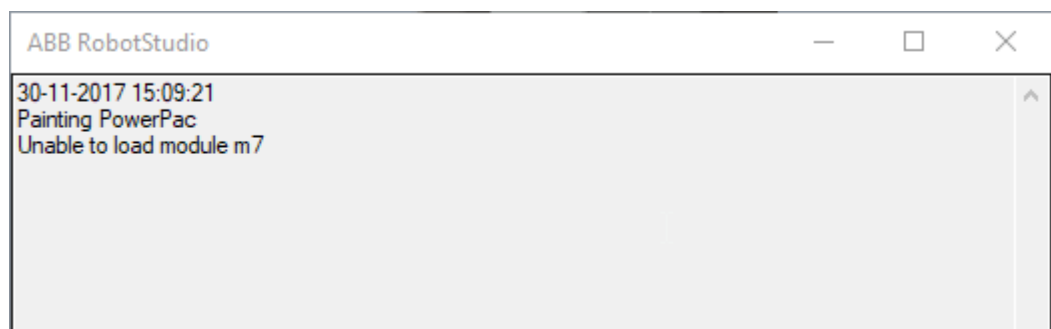
Non-Paint systems

Painting PowerPac is designed to work primarily with paint systems, having a non-paint system, several functions might not work as expected.

4.2.1 Manage Modules

Load Module

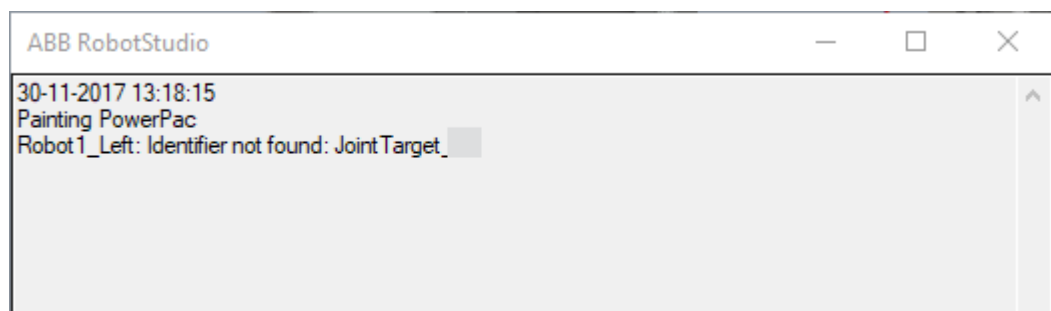
If the module file selected to be loaded into Painting PowerPac has dependency on data declared in a different module, the module will not load and will report an error as below.



Workaround: Load all dependency module(s) to the RobotStudio Virtual Controller Task prior to loading the selected module(s) in Painting PowerPac.

Copy/Mirror to other Robot

While copying or mirroring to other Robot, if the selected module has dependency on the data declared in different module, then that module will be copied or mirrored with the following error:



4.2.2 Connect with real robot

Connecting with robots on the paint line

While performing operations such as Load Program, Transfer and Edit Brush tables, which require to be connected to the robots on the line, it is noticed that sometimes the connection is lost while fetching or transferring data.

Workaround: Disconnect and connect again. If it does not respond, try to close and re-open RobotStudio.

4.2.3 Support Functions

User authentication system configuration

Some functions in Painting PowerPac extend the similar functions of RobotStudio. Hence, to use them with Painting PowerPac, the dependent RobotStudio commands must also be selected in the **User configuration** window.

Examples:

- Conveyor Jog and Reset
- Simulation Play / Stop / Reset
- Show / Hide
- Insert Move and Action instructions from the context menu.
- Modify WorkObject option from context menu

4.2.4 Appending program to Job Queue

Appending programs to Job queue

While appending programs to Job queue, sometimes it is noticed that the jobs are not getting appended to it.

Workaround: Restart all the controllers (or) Deactivate and Activate the Painting PowerPac.

4.2.5 Customized Context menu of Workpiece is not proper

Context menu of Workpiece is not proper

If the user switches to [Home] tab, the customized Painting PowerPac context menu of the workpiece is not proper. i.e. {New Empty Panel} and some other context menu added to it by Painting PowerPac, which does not work properly in Home tab.

Workaround: User can switch to [Painting] tab and use those functionalities.

4.2.6 ToolTip Information for Target Reachability is not proper

If the targets are not reachable/reachable with other configuration then proper message is displayed at the tooltip. Sometimes, this message is not proper i.e, if targets are unreachable/reachable with other configuration, then also marked as reachable.

Workaround: Go to the Robot {Task} and [Refresh] the browser tree.

5 RobotWare Compatibility

Painting PowerPac 2019.5 is compatible with RobotWare 5.15.xx onwards.

6 Installation information

6.1 Installing Painting PowerPac

Installation Instructions

Painting PowerPac2019.5 requires RobotStudio 2019.5. It will be installed side-by-side with any previous installation of Painting PowerPac. However only the latest version of the PowerPac will be available in RobotStudio, as they share the same Activation key.

New Installation Path: Painting PowerPac 2019 is installed in C:\Program Files (x86)\ABB\Painting PowerPac 2019 (Same as RobotStudio).

How to install Painting PowerPac on a PC

	Action
1	Go to the website http://new.abb.com/products/robotics/robotstudio/downloads
2	Download Painting PowerPac from the PowerPacs section.
3	Unzip Painting PowerPac 2019.5.zip file, to extract all the installation components to the folder specified.
4	Go to the extracted location.
5	Double click on ABB Painting PowerPac 2019.5.exe file. Go through the wizard to finish installation.

Licensing

The Painting PowerPac software licenses are designed to cater to the Engineering (Office) and Operations (shop floor) requirements. The following licensing options are available:

RobotStudio and Painting PowerPac:

- Basic (no license required)
- Premium

Licenses for Robot Controller:

- Shopfloor PPP Enabler PaintWare option. (This option is available with PaintWare 5.15.14 and 6.06 onwards)

For more details, see the Operating manual - Painting PowerPac

Trial license

PowerPac specific Trial license is not supported by Robot Studio 2019.

Robot Studio Trial license itself is applicable for PowerPac also.

RobotStudio Trial License:

Users need to request a trial license from within RobotStudio, whereby RobotStudio connects to a cloud service that provides a trial license key unless a previous trial has been granted to that particular machine.

Only one trial per machine is allowed. Internet connection is required for the trial

How to activate Painting PowerPac license?

Use the Activation Wizard to activate your Painting PowerPac installation.



Note

If you have a problem with your activation, contact your local ABB customer support representative at the e-mail address or telephone number provided at <http://www.abb.com/contacts>.

For using the Activation Wizard, follow this procedure.

	Action
1	On the File tab, click Options and go to General: Licensing .
2	On the Licensing page to the right, click Activation wizard to launch the Activation Wizard.
3	In the Activation Wizard, on the Activate RobotStudio page, indicate whether you have a Standalone License or a Network License , and then click Next . If you have chosen Standalone License , you will proceed to the Activate a Standalone License page. See Activate automatically over the Internet or manually below for further steps. If you have chosen Network License , you will proceed to the Network License page. See the RobotStudio Operating manual for further steps.

Activate automatically over the Internet or manually

The Activation Wizard gives you two choices on how to proceed. You can choose either automatic activation over the Internet or manual activation. These are explained in the following section.

Automatic Activation (recommended)

In Automatic Activation, the Activation Wizard automatically contacts and sends your activation request to the ABB licensing servers over your Internet connection. Your license will then be automatically installed and your product will be ready for use.

For Automatic Activation you need a working Internet connections and also a valid Activation Key that has not exceeded the number of installations allowed.

RobotStudio must be restarted after the activation has been successfully completed.



Note

If you choose to activate over the Internet but are not currently connected to the Internet, then the wizard alerts you that there is no connection.

Manual Activation

1. If the computer does not have a working Internet connection or a trial license needs to be activated, you must proceed with Manual Activation
2. A license file has an extension “.bin”.
3. If you already have a license file, follow the step 8.
4. If you want to create a license file, follow steps 5 – 8.
5. Create a license file by selecting the option **Step 1: Create a license request file**. Proceed through the wizard, enter your Activation Key and save the License Request File to your computer.
6. Use a removable storage medium, such as a USB stick or floppy disk, to transfer the file to a computer with an Internet connection. In that computer,

open a web browser, go to <http://manualactivation.e.abb.com/> and follow the instructions given.

The result will be a License File that should be saved and transferred back to the computer having the installation awaiting activation.

7. Re-launch the Activation Wizard and go through the steps until you reach the **Activate a Standalone License page**.
8. Under **Manual Activation**, select the option **Step 3: Install a license file**.

Proceed through the wizard, selecting the License File when requested. Upon completion, Painting PowerPac is activated and ready for use.

RobotStudio must be restarted after the activation has been successfully completed.

How can I tell whether my Painting PowerPac installation has already been activated?

1. Go to the **File** tab, click on the **Options** button, and select the **Licensing** section.
2. Click **View Installed License Keys** to see the status of your current license.
3. If your Painting installation is activated, you will have valid licenses for the features covered by your subscription.

7 Technical support

7.1 Overview

Contacting ABB

If you have any questions or problems with your PowerPac installation, please get in touch with your local ABB Robotics Service representative, or the person who has shared this build.

Have the following in mind

1. Running the latest version of RobotStudio and Painting PowerPac ensures that it works properly and includes improvements and new product functionality. ABB recommends that you update to the latest version of RobotStudio and Painting PowerPac whenever a new version is available and before contacting ABB for support.
2. Give a brief description of how to reproduce your problem.
3. Create screenshots if applicable. (Use ALT + PRINT SCREEN to get an image of the active window instead of the entire screen.)
4. Generate a Full Scan with the RobotStudio Support Tool available next to RobotStudio in the Start menu, save the report and attach it with your problem description. (Click **Start** → **Programs** → **ABB** → **RobotStudio2019** → **RobotStudio Support Tool**, click on **Run Full Scan** and then **Save Report**.)
5. We also need the following user information:
 - i. Name
 - ii. Company
 - iii. Contact information
 - iv. What operating system you are running (incl. language)
 - v. Subscription ID for your purchased license.
 - vi. Machine ID, see Help section of File tab.



Note

When sending large (> 1 Mb) files, please compress them with WinZip® or WinRAR.

License support

For license-related questions, please contact the team responsible for license support directly at softwarefactory_support@se.abb.com