

Release Notes  
Picking PowerPac  
2021.4

Revision: A

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ABB AB  
Robotics Products  
SE-721 68 Västerås  
Sweden

## **Table of Contents**

<b>Overview</b>	<b>4</b>
<b>1 Release Information</b>	<b>5</b>
<b>2 What's New?</b>	<b>7</b>
<b>3 Late-breaking information</b>	<b>8</b>
<b>4 Corrections</b>	<b>9</b>
<b>5 Known Limitations</b>	<b>10</b>
<b>6 Installation information</b>	<b>11</b>
<b>7 Technical support</b>	<b>13</b>

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# Overview

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## Description

This document provides information about the new features, problems corrected, and installation of Picking PowerPac.

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## Product Overview

Picking PowerPac is a RobotStudio add-in, extending RobotStudio with picking functionality, which enables you to do offline programming and simulation of PickMaster controlled picking lines.

For download information, visit our RobotStudio Download Page:

<http://new.abb.com/products/robotics/robotstudio/downloads>

On the PowerPacs User Forum discuss problems and solutions online:

<http://forums.robotstudio.com/categories/powerpacs>

# 1 Release Information

## 1.1 General

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### Release Name

The release name is Picking PowerPac 2021.4 for PickMaster™3 and the build number is **6.13.4.0**

Release contains following:

- ABB Picking PowerPac 2021.4
- Virtual PickMaster 3.56

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### Release Date

The release date is **December 17, 2021**

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### Option Number

The option number is 1121-1 Picking PowerPac

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### Language Support

Picking PowerPac is available only in English language.

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### Documentation

User documentation for Picking PowerPac is available from the *Help* button in the upper-right corner of PowerPac after activation.

Also, available under installed\ Program Files folder(x86) \ABB\Picking PowerPac 2021\Help

## 1.2 Prerequisites

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### Before you install...

Before you begin installing Picking PowerPac, you must have Administrator privileges to successfully complete the installation.

- Install RobotStudio 2021.4
- Install Virtual PickMaster 3.56 (Need to install in the path: C:\Program Files (x86)\ABB Industrial IT\Robotics IT\Virtual PickMaster 3.56)
- Install RobotWare 6.10 or above

## 1.3 System requirements

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### Software requirements

Operating System	
Microsoft Windows 10	64-bit edition

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**Hardware Requirements**

CPU	2.0 GHz or faster processor, multicore processor is recommended
Memory	8 GB RAM or more
Free disk space	5 GB or more recommended
Graphics card	High performance DirectX 11 graphics card with support for feature level 10_1 or higher.
Screen resolution	1920 x 1200 pixels is recommended
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 <a href="http://www.3dconnexion.com">http://www.3dconnexion.com</a> .

**Note**

Picking PowerPac is compatible with PickMaster 3.43 or above for:

- Export of PickMaster configuration
- Import of recorded flows

## 2 What's New?

### Overview

This section contains information about the new features added to Picking PowerPac.

#### 2.1 Picking PowerPac 2021.4

Picking PowerPac 2021.4 is compatible with RobotStudio 2021.4

#### 2.2 Picking PowerPac 2021.3

Picking PowerPac 2021.3 is compatible with RobotStudio 2021.3

#### 2.3 Picking PowerPac 2021.1

Picking PowerPac 2021.1 is compatible with RobotStudio 2021.1

VPM 3.56 shall be launched in Administrative mode

#### 2.4 Picking PowerPac 2019.5

Picking PowerPac 2019.5 is compatible with RobotStudio 2019.5

#### 2.5 Picking PowerPac 2019.3

Picking PowerPac 2019.3 is compatible with RobotStudio 2019.3.

## 3 Late-breaking information

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### Overview

This section contains late-breaking information that will be included in the appropriate documents in the subsequent releases.

### 3.1 Picking PowerPac 2021.4

If Picking PowerPac is upgraded to 2021.4 from any previous versions in Control Panel along with Picking PowerPac 2021.4 previous version is also shown, hence fresh installation is recommended. This will not affect functionality.

### 3.2 Picking PowerPac 2019.3

None



## 4 Corrections

### Overview

This section describes the defects solved in Picking PowerPac.

#### 4.1 Corrections in Picking PowerPac 2021.1

CCRP issue IT-1029771 is fixed

#### 4.2 Corrections in Picking PowerPac 2019.3

The issues observed while ensuring the compatibility with RobotStudio 2019, are corrected.

#### 4.3 Corrections in Picking PowerPac 2019.5

The issues observed while ensuring the compatibility with RobotStudio 2019, are corrected.

ID	Title
PDD12036	PkPP 2019.3 - Exception while browsing for files

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## 5 Known Limitations

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### Overview

This section describes known limitations in Picking PowerPac.

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### Picking PowerPac 2019.3

**1. Picking PowerPac doesn't support DSQC2000 (CTM).**

Picking PowerPac only supports virtual controller systems with DSQC377 encoder interface units, not DSQC2000.

The simulation in Picking PowerPac is for pure simulation only, so it does not have to match the hardware system and from a software point of view, the behavior is the same with DSQC377 and DSQC2000.

NOTE: PickMaster Twin is compatible with both DSQC377 and DSQC2000.

## 6 Installation information

### 6.1 Installing Picking PowerPac

#### Installation Instructions

**New Installation Path:** Picking PowerPac 2021 is installed in C:\Program Files (x86)\ABB\Picking PowerPac 2021 (Same as RobotStudio).

#### How to install Picking PowerPac on a PC

	Action
1	Go to the website <a href="http://new.abb.com/products/robotics/robotstudio/downloads">http://new.abb.com/products/robotics/robotstudio/downloads</a>
2	Download Picking PowerPac 2021.4 from the PowerPacs section.
3	Unzip <b>Picking PowerPac 2021.4.zip</b> file, to extract all the installation components to the folder specified.
4	Go to the extracted location.
5	Double click on <b>Virtual PickMaster 3.56\ setup.exe</b> file. Go through the wizard to finish installation.
6	Double click on <b>Picking PowerPac 2021.4\ABB Picking PowerPac 2021.4.exe</b> file. Go through the wizard to finish installation.

#### Changes in version naming for PowerPac

1. New version naming scheme is in sync with Robot Studio.
2. Based on the current year
  - The first version a certain year (e.g. 2019) will be called "2019.1".
  - Subsequent releases will be called "2019.2", "2019.3" etc.
3. Revisions will overwrite an existing installation  
Example: Picking PowerPac 2019.3 will upgrade (overwrite) 2019.1
4. Versions can be installed side-by-side  
Example: Picking PowerPac 2019.3 and Picking PowerPac 2020.1 (not yet released) can be installed side-by-side

#### NOTE:

Even though this is the first release for Picking PowerPac in 2019, to be in line with current RS release the release name is kept as 2019.3

#### Changes in Robot Studio licensing

##### Handling of new orders

1. RobotStudio 2019.1 is an upgrade to RobotStudio 6.x
  - This release will be bundled with RobotWare 6.09 and supports all released versions of RobotWare 5 and 6.
  - Only one product for order in the order system ("RobotStudio") with the usual price and 3HAC-numbers. Same as before.
2. Old license keys will not work for RobotStudio 2019
3. New license keys will not work on RobotStudio 6.x or 5.x.
4. The internal name of the license key is "RobotStudio 7.x"

5. Subsequent releases of RobotStudio will be compatible w.r.t to the activation key.

**Handling of existing users**

1. Existing users can continue to use their current license and version of RobotStudio until their license key expires.
2. When it does, upgrading to RobotStudio 2019 will be compulsory as only keys for RobotStudio 2019 and later will be generated.
3. Existing users who may want to try the latest RobotStudio release will receive an e-mail with a new license key for RobotStudio 2019 with the same content and expiration date as their current key.
4. The e-mail will be sent to the currently registered e-mail addresses entered at the time of initial order.

## 7 Technical support

### 7.1 Overview

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#### Contacting ABB

If you have any questions or problems with your PowerPac installation, please get in touch with your local ABB Robotics Service representative, see <http://www.abb.com/contacts>.

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#### Have the following in mind

1. Running the latest version of RobotStudio and Picking 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 Picking 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* → *RobotStudio 2021* → *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.

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#### License support

For license-related questions, please contact the team responsible for license support directly at [softwarefactory\\_support@se.abb.com](mailto:softwarefactory_support@se.abb.com)