

ABB ROBOTICS

RobotStudio®

Visualize your ideas and reduce commissioning time



RobotStudio® is the world's most popular offline programming and simulation tool for robotic applications. Based on the best-in-class virtual controller technology, RobotStudio suite gives you full confidence that what you see on your screen matches how the robot will move in real life. Enabling you to build, test and refine your robot installation in a virtual environment, this unique technology speeds up commissioning time and productivity by a magnitude.

The RobotStudio desktop version allows you to carry out programming and simulation without disturbing ongoing production. RobotStudio Cloud enables individuals and teams to collaborate in real-time on robot cell designs from anywhere in the world, on any device. The RobotStudio Augmented Reality Viewer enables you to visualize robots and solutions in a real environment or in a virtual room on any mobile device for free. Both the desktop and mobile application enable teams to collaborate and make faster decisions, speeding up the planning and design phase.

Visualize robotic solutions in AR anywhere and at any time on a mobile device

The RobotStudio® Augmented Reality viewer application enables you to visualize robotic solutions in 3D mode or on your shopfloor, speeding up design and commissioning. The app allows you to increase collaboration in your teams that are working in the plan & design phase based in various locations. In addition, the app gives you access to over 25 robotic solutions and over 40 individual ABB robots, either in AR or in 3D mode.

Download on the App Store

GET IT ON Google Play

Benefits



Cloud technology enables real-time collaboration with co-workers and end customers around the world.



Simplified interface and intuitive navigation empower all levels of users to work on robotic projects.



Keep track of **different project versions** and see who made which changes in real time.



Built-in enterprise-grade protection features ensure high security and productivity.



Best-in-class virtual controller to match simulation and reality.

You find all the benefits and details on:
new.abb.com/products/robotics/robotstudio

Compare licenses

| | Freemium | Free trial | Premium |
|--|-----------|------------|---------|
| Duration | Unlimited | 30 days | 1 year |
| Program the robot Create and edit stations for real and virtual robots | ✓ | ✓ | ✓ |
| Configure the robot Prepare and tune your robot for production | ✓ | ✓ | ✓ |
| Virtual commissioning / advanced simulation Swept volume, import CAD's, add physics, cable simulation and more | | ✓ | ✓ |
| Advanced safety simulation Braking distances, stop position playback and more | | ✓ | ✓ |
| Optimizing and debugging Signal analyzer, RAPID editor, synchronize programs | | ✓ | ✓ |
| Virtual / Augmented reality Program and tweak much faster if you have a headset | | ✓ | ✓ |
| Automatic collision free path planning Tell the robot where to go and it will do it for you | | ✓ | ✓ |
| Sales tools Station viewer, lighting and 3D effects | | ✓ | ✓ |
| RobotStudio® Cloud Upload and work together on RobotStudio projects, track changes to RS projects | | | ✓ |

Order information

- Always select option 1100-1 to start with
- Optional select one or more CAD Converters
- Optional select one or more PowerPacs
- Select 1117-1 in case you need 5 Network Editions¹⁾
- Select 1118-1 in case you need 10 Network Editions¹⁾
- Check the optional class room training possibilities

¹⁾ All CAD Converters and PowerPacs are included in the Network Editions

| Nr | Option |
|--------|-----------------------------------|
| 1100-1 | RobotStudio Premium (Node Lock) |
| 1101-1 | CAD Converter IGES |
| 1102-1 | CAD Converter STEP |
| 1103-1 | CAD Converter VDAFS |
| 1105-1 | CAD Converter CATIA V5 |
| 1106-1 | CAD Converter Inventor |
| 1107-1 | CAD Converter ProEngineer |
| 1122-1 | CAD Converter DXF/DWG |
| 1123-1 | CAD Converter JT |
| 1124-1 | CAD Converter NX |
| 1127-1 | CAD Converter Parasolid |
| 1128-1 | CAD Converter SolidEdge |
| 1129-1 | CAD Converter SolidWorks |
| 1108-1 | ArcWeld PowerPac |
| 1109-1 | Machine Tending PowerPac |
| 1110-1 | Machining PowerPac |
| 1112-1 | Painting PowerPac |
| 1115-1 | Palletizing PowerPac |
| 1120-1 | Cutting PowerPac |
| 1121-1 | Picking PowerPac for PickMaster 3 |
| 1570-1 | PickMaster PowerPac |
| 1252-1 | Dispensing PowerPac |
| 1571-1 | 3D Printing PowerPac |
| 1117-1 | Upgrade to Network Edition 5 |
| 1118-1 | Upgrade to Network Edition 10 |

ABB Robotics also provides class room training. For optimal working with RobotStudio IRC5 / OmniCore programming experience is required. Select one or more of the following training options.

| Nr | Option |
|--------|--|
| 9999-1 | Basic IRC5 / OmniCore* - 2 days |
| 9999-2 | Programming IRC5 / OmniCore* - 1 day |
| 9999-3 | Extended Programming RAPID with RS (day 1) |
| 9999-4 | Extended Programming RAPID with RS (day 2) |
| 9999-5 | RobotStudio 6 Premium - 2 days |

* When registering, please indicate which controller is used: IRC5 or OmniCore

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