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# EPSON RC+ 6.1.0 Release Notes

December 10, 2009

Thank you for using EPSON RC+ 6.1.0. This document contains the latest information for this release. Please read before using this software.

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## Documentation

All RC+ manuals are in PDF format and are installed on the PC hard disk. These manuals are accessible from the EPSON RC+ 6.0 environment Help menu.

## Getting Started

Read the Getting Started chapter in the EPSON RC+ 6.0 User's Guide. This chapter will refer you to the RC620 Controller manual Installation chapter. This contains information for initial connections and start up.

## What's New in version 6.1.0

1. External drive units DU1 and DU2 are supported. This requires controller firmware 6.1.2.0 or later.
2. Conveyor Tracking optional diagonal upstream and downstream limits are supported. This requires controller firmware 6.1.2.0 or later.
3. The Run | Operator Window selection has been changed to Run | Test Auto Mode. When this is selected, if a GUI Builder Startup Form exists, then it will be displayed. Otherwise, the Operator Window is displayed.

## What's Fixed in version 6.1.0

1. Fixed a problem where if a point only had a label and no coordinates, then the point could not be taught from the Robot Manager Jog & Teach page.
2. Fixed Allow Teach project property for Operator Window
3. Fixed "Object reference not found" errors for Vision Guide that sometimes occurred if a sequence was created after a calibration was created during the same session.
4. Fixed project open when Read Only is checked.
5. Now Fieldbus Master I/O labels can be edited in offline mode.
6. Fixed problem where invalid characters were being allowed for some property grid values in Vision Guide and GUI Builder.
7. Fixed problem for Vision Guide Correlation and Geometric ShowModel. When ShowModel was clicked, it previously took a long time to display the model and to save don't care pixel changes. Model teach time was longer, too.
8. Fixed Vision Guide calibration for fixed upward cameras. If calibration properties RobotArm or RobotTool were not zero, then the wrong robot coordinates were being returned for objects using the calibration.
9. Fixed Vision Guide AngleStart for Geometric objects when used with a local camera.
10. Fixed Vision Guide RejectOnEdge for Geometric objects when used with a local camera. If RejectOnEdge was True, the program would hang during VRun.

11. I/O Monitor Custom Views can now use Fieldbus Master I/O.
12. Now when the motion command is changed in the Robot Manager Jog & Teach page, the destination point(s) are not changed.
13. Fixed a problem where after performing a Modify installation, the manuals were removed.
14. Multiple frame grabber board of the same type can now be used.
15. Fixed FbusIO\_GetBusStatus and FbusIO\_GetDeviceStatus. The wrong values were being returned.
16. Fixed problem where if a Correlation, Geometric, or Polar object was renamed, the model file was not renamed, which caused model not trained errors after the project was reopened.
17. Fixed several minor GUI problems.