DENSO Robotics   Version Upgrading Information

Notice on Additional and Improved Functions of Controller and Software [June 2021]

Thank you for your continued patronage of the DENSO Robotics products.
Please be informed that the following functions will be improved and added in step with upgrading the RC9 controller and various software versions. We will continue improving our services for our customers, and we wish to ask for your continued patronage.

● Version

RC9 Controller	**Ver. 1.1.1**
WINCAPS III	**Ver. 3.61.1**
WINCAPS Plus – Palletizing Builder	**Ver. 1.0.2**
WINCAPS Plus – Optimal Path Planning	**Ver. 1.0.16**
WINCAPS Plus – Robot Viewer	**Ver. 1.0.4**

● Item

[RC9 Controller]

	Classification	Item
1	New function	bCAP Slave function added
2	New function	VMB brake check function added
3	New function	Torque check function added
4	Performance improvement	Robot installation direction
5	New function	Auxiliary axis functions added * Software support
6	Performance improvement	Virtual fence support
7	New function	Rotate command option added
8	New function	TwinCAT control panel (PLC HMI Web) support
9	New function	Function added to extend the automatic logout time
10	New function	Name setting and name display for robot controller

[WINCAPS III]

	Classification	Item
1	New function	Virtual fence function added

[WINCAPS Plus]

	Classification	Item
1	New function	One year license support for optimal path planning and Robot Viewer

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● Item

[RC9 Controller]

Item	Outline
bCAP Slave function added	A bCAP Slave function has been added to enable control from an external PC or ROS.
VMB brake check function added	A brake check function, which checks brake deterioration, is now available for the VMB Series.
Torque check function added	A torque check function has been added to check if the correct load information has been entered.
Robot installation direction	Wall mounting and tilting installation are supported to expand applications. The maximum installation angle of the VMB Series is 180°, and the maximum installation angle of the VLA Series is 45°.
Auxiliary axis functions added * Software support	Auxiliary axis (software) functions have been added to expand applications, such as robot hand control and travel axis control. * Sanyo Denki's SANMOTION R 3E model only.
Virtual fence support	A virtual fence function has been added.
Rotate command option added	An option to fix the rotation direction has been added to the Rotate command.
TwinCAT control panel (PLC HMI Web) support	A function has been added to display the TwinCAT control panel (PLC HMI Web) on the TP.
Function added to extend the automatic logout time	A function has been added to extend the automatic logout time.
Name setting and name display for robot controller	A function has been added to set a name for the controller and make it easier to identify the robot controller.

[WINCAPS III]

Item	Outline
Virtual fence function added	The virtual fence function can now be configured on WINCAPS III.

[WINCAPS Plus]

Item	Outline
One year license function added	The optimal path planning and Robot Viewer have been supported for one year license. This will allow you to use the optimal path planning and Robot Viewer for one year.