Changes for the Better

MITSUBISHI ELECTRIC

Mitsubishi Electric Corporation Industrial Robot

# MELFA Technical News

BFP-A6079-0226E

April 2018

**Subject:** Report of RT ToolBox3 Ver.1.20W release

**Applicable to:** FR series, F series, SQ series, SD series, S series (CR800/CR750/CR700/CR500 series robot controller)

Thank you for your continued support of Mitsubishi industrial robot “MELFA”.

This Technical news describes the new version 1.20W of the RT ToolBox3.
3F-14C-WINJ(E)／3F-15C-WINJ(E)／3F-16D-WINJ(E)

In order to use the functions described in this technical news, you need to download the latest version from MITSUBISHI ELECTRIC FA site, and upgrading the RT ToolBox3.

## 1. Additional model

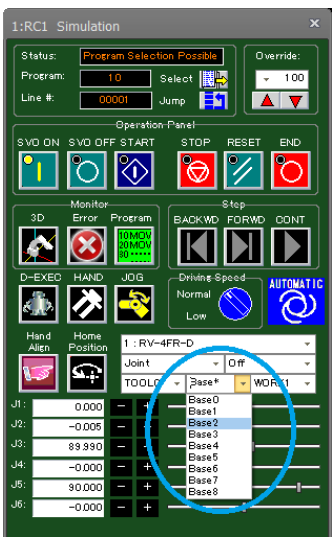
- Corresponded to CR800-Q series.

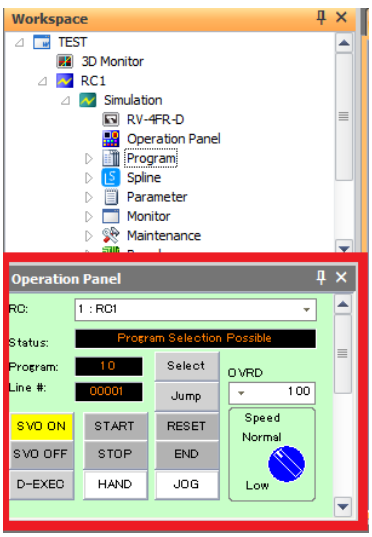
  Corresponds to CR800-Q series robot.
  Device monitor / Multi-CPU parameter / IO unit Parameter screen corresponds to CR800-Q series.

- Model added for RH-3CRH4018-D / RH-6CRH6020-D / RH-6CRH7020-D.

## 2. Operation Panel

- Add function to switch base.
- Added function that display in docking window.

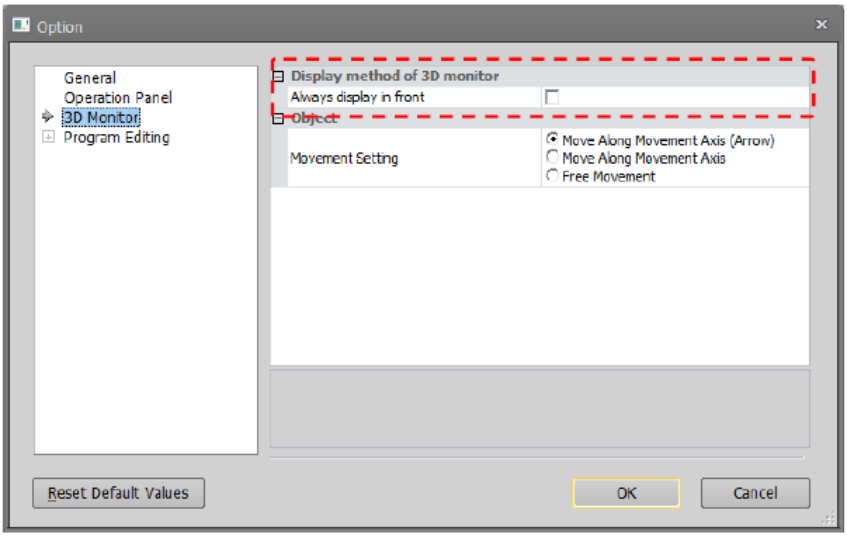


## 3. 3D monitor

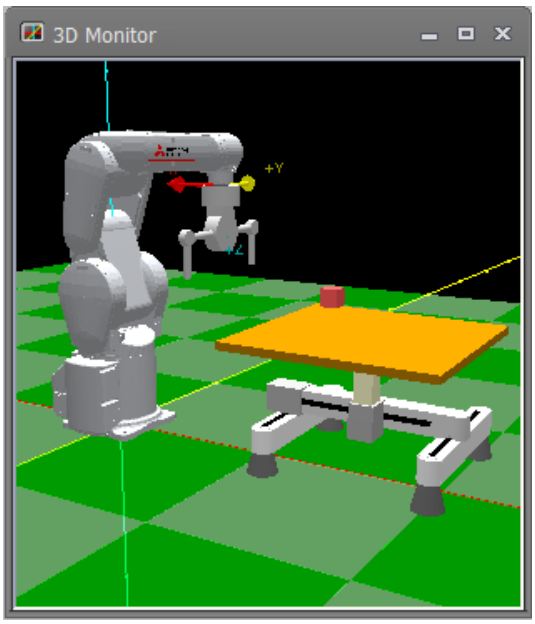
- Added setting to display 3D monitor always in front of option.

  By checking [Always display in front] in [3D Monitor], it will always be displayed on the front from the time the next 3D monitor is started up and you can move outside the screen of RT ToolBox3.

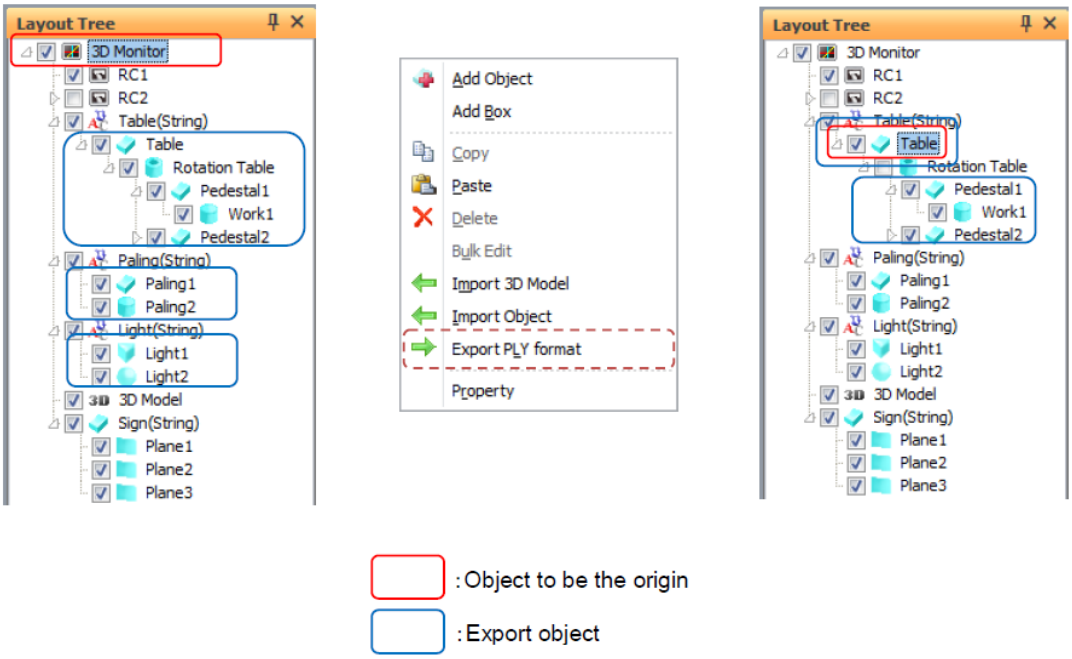



- Added function that display user mechanism.

  Create a user mech. file from the [User Mech. File Manager] and add the user mech. item to the robot in the layout tree and select the user mech. file to be displayed.



- Added function that export layout object in PLY format.

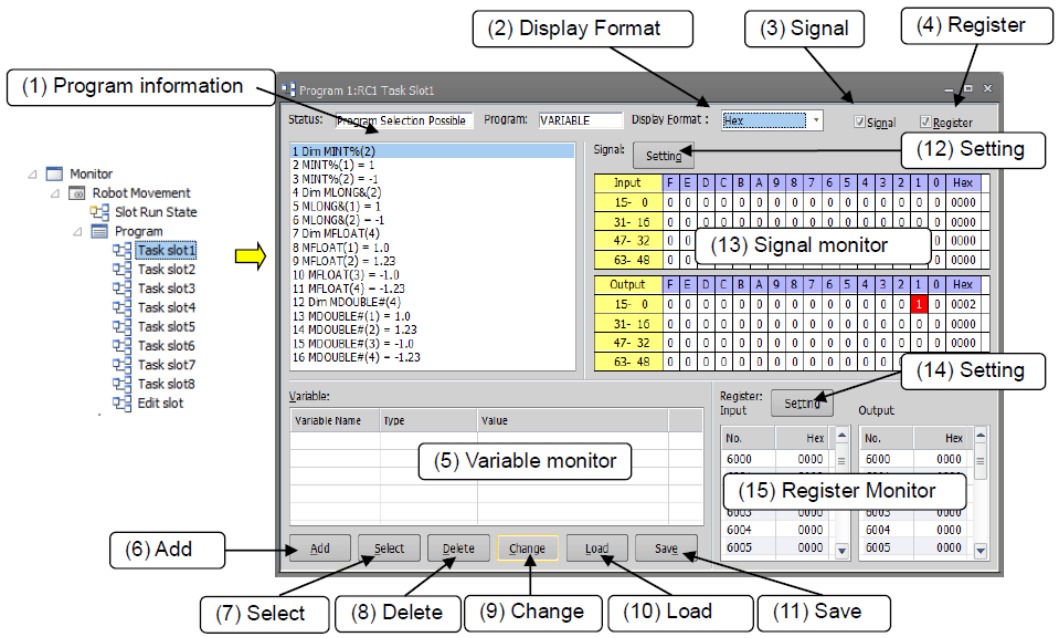



## 4. Oscillograph

- Function safety items (Safety input , Safety input signal A , Safety input signal B)added to acquired data.

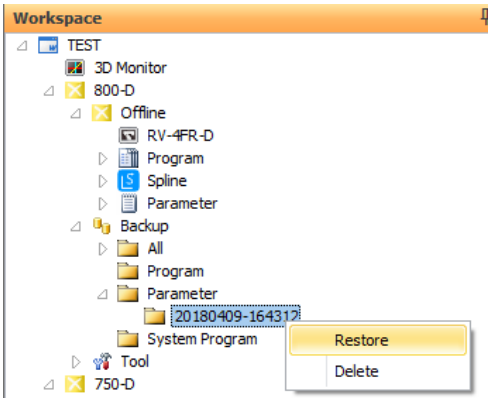
## 5. Program monitor

- Added general purpose signal monitor and register monitor on program monitor.



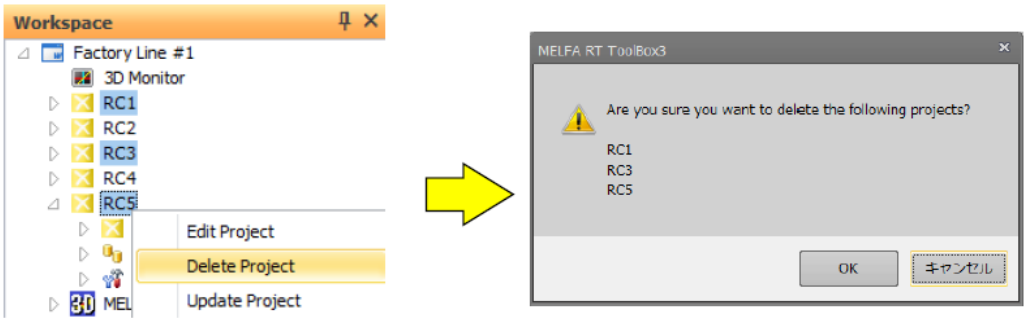
## 6. Restore

- The "parameter" backup can be restored to the offline project.




## 7. Project

- Added a function to delete multiple projects at once.

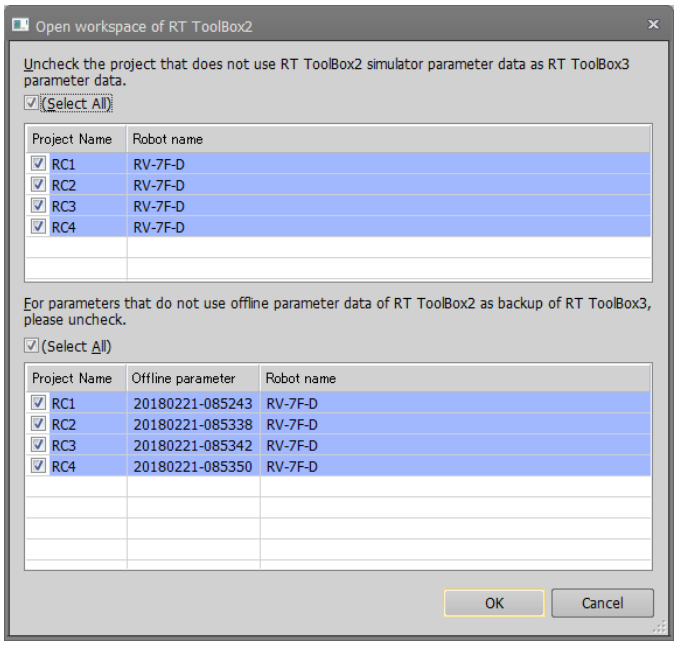



- Change the process of opening the project of RT Toolbox2.

  When RT ToolBox2 workspace is opened with RT Toolbox3, a dialog is displayed to confirm whether to use RT Toolbox2 parameters for the first time only.
  RT ToolBox3 displays the following RT ToolBox2 parameter information.

  Simulator parameters -> Offline parameters

  Offline parameters -> Backup parameter information




(End)