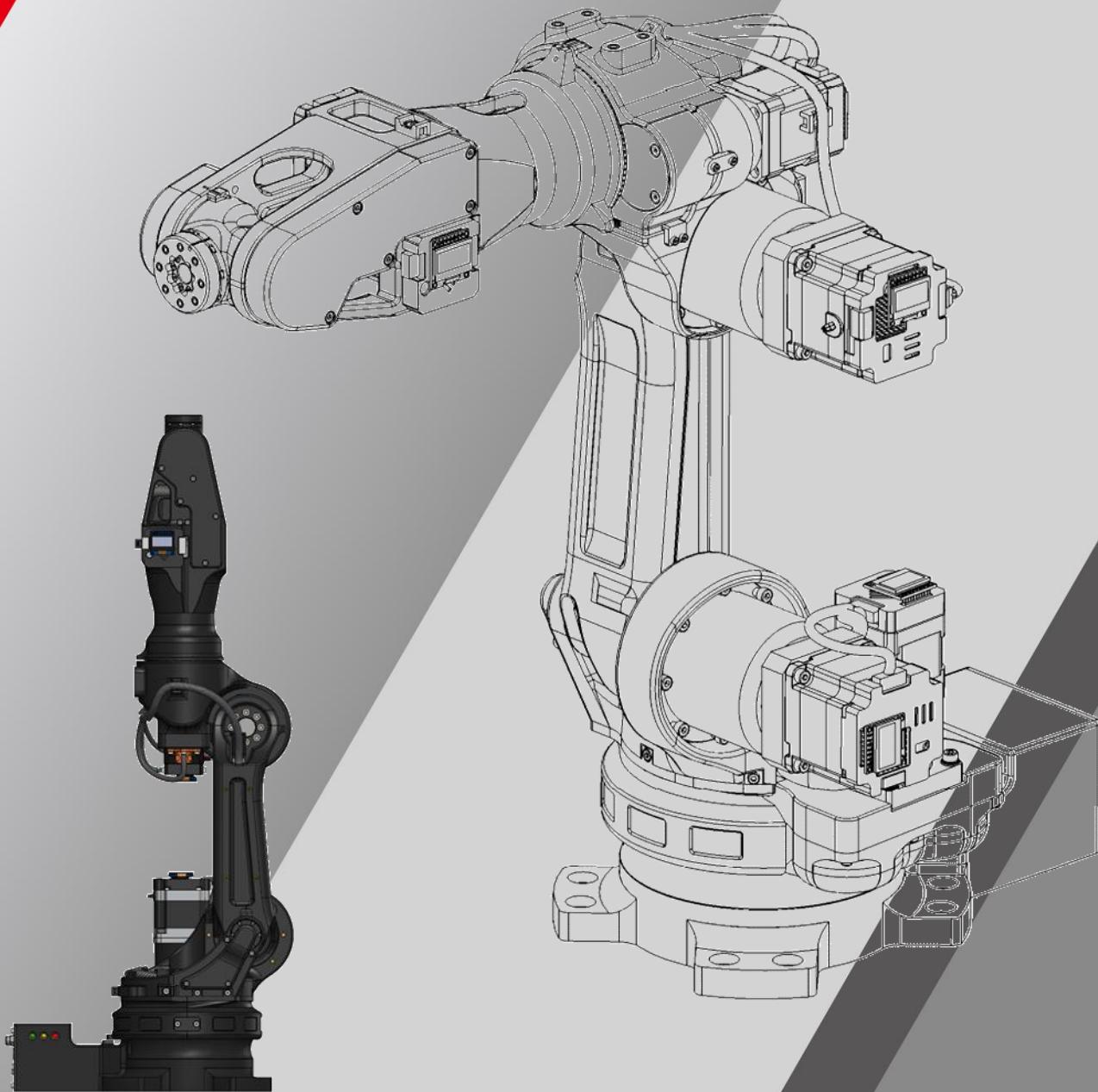


ASTORINO

TP Firmware Revision History



Preamble

This document shows the revision history of the ASTORINO firmware. It starts with firmware 3.8.3

For further questions, contact Kawasaki Robotics support.

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ASTORINO Firmware Revision History

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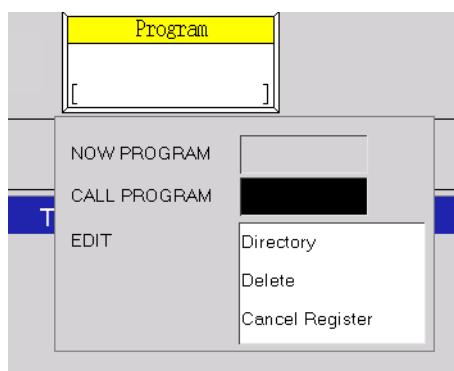
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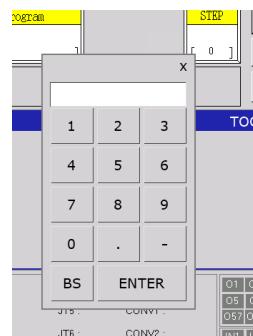
1 Firmware 1.0.3 and Screen firmware 1.3

Updates:

- Changed layout in Aux window
 - Input/Output Signal - changed
 - Motion Limits - added
 - Terminal
 - Points
 - Basic Settings - changed
 - Tool/Work Settings - changed
 - Auto Tool Coordinate Register - changed
 - Auto Work Coordinate Register - added
 - System Settings - added
 - About
- Changed the way of selecting the program – added new window



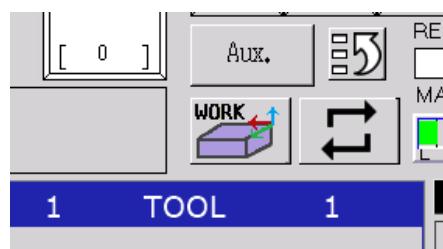
- Added step selection functionality – now pressing on STEP control will open a step selection keyboard. After typing line number editor jumps to selected line



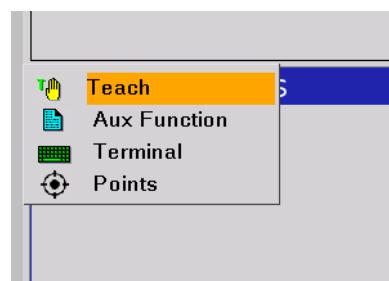
- Added functionality of GO button, now it also runs selected program line in TeachMode when Cycle is OFF – program flow commands like FOR or IF will cause error when run with GO button (AS language parser limitations). Releasing GO button will decelerate the robot.

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- added functionality to turn on/off button bip, use command in the TP terminal ZSOUND 1 to turn ON bip, ZSOUND 0 to turn off bip sound,
- added SKIP WAIT button to skip program blocking commands like SWAIT
- POS MOD – now changes the position data of currently selected line
- POS MOD + ALT – opens a line text editor and user can change currently selected line
- CC - opens program selection menu
- CC + ALT – opens text editor to type in program name
- Added JOINT Range motion limits setting option
- Added Power Off position setting option
- Added WORK as Teach motion coordinate system



- Added WORK setting option and WORK Wizard
- Added Ethernet Settings option
- Added Conveyor setting option,
- Added Collision Detection setting option,
- Added Handling clamp setting option,
- Changed MENU button behaviour, now it open SUBMENU



- Changed DEL button behaviour, now ALT+DEL deletes currently selected line,
- Now long pressing ARROWS will automatically navigate,
- Changed REC and INS functionality – now SPEED parameter is not added automatically
- Added SPEED function in BLOCK Teaching
- Added 9894 button combination to enter Lv3 access level on TP
- Now when teaching points on POINTS page message window will appear if currently selected point for teaching already exist. Warning window with user confirmation for teaching already saved point (overwrite protection)

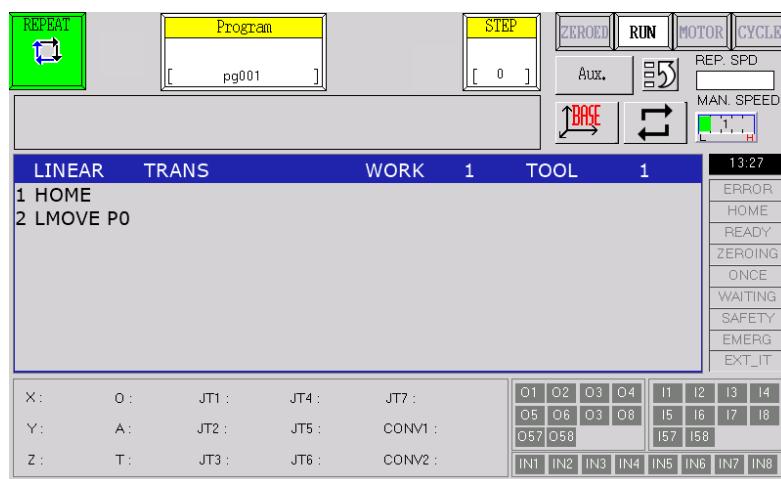
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Bug fixes:

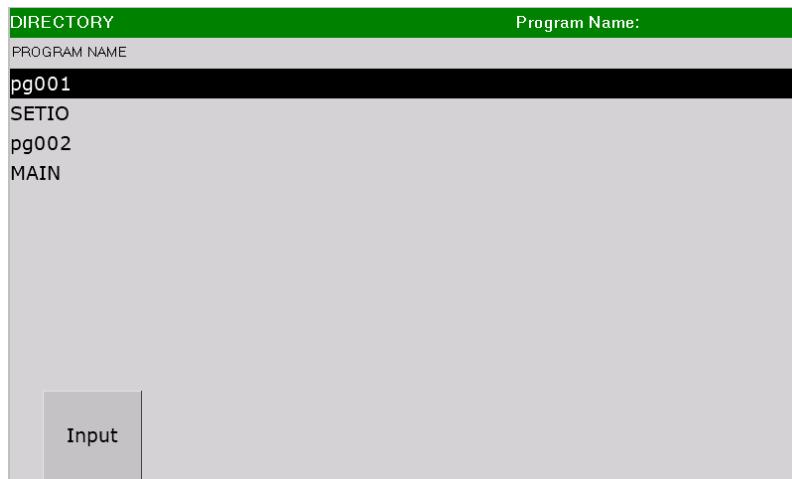
- Fixed 7th axis teach motion,
- Fixed situations when releasing the Teach motion JOG buttons sometimes does not stop the robot,
- Fixed many stability problems
- Fixed OAT calculations in TOOL pages

Windows overview:

- Teach Page:

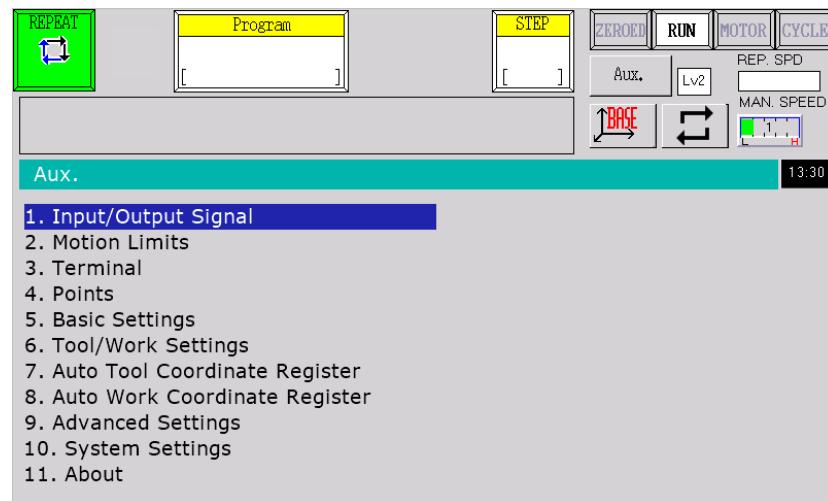


- Program selection window

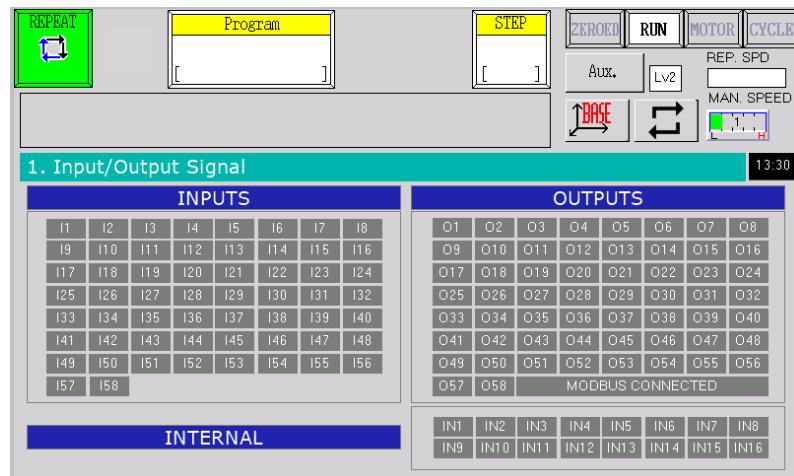


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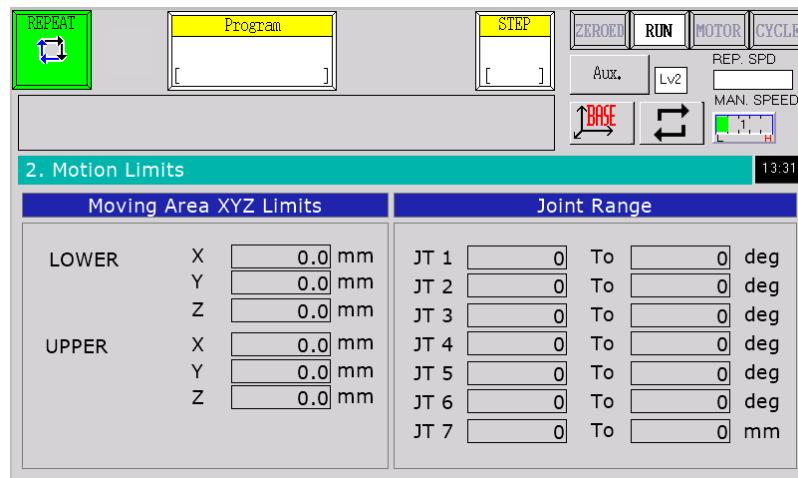
- Aux Page:



- Input/Output Signal Page

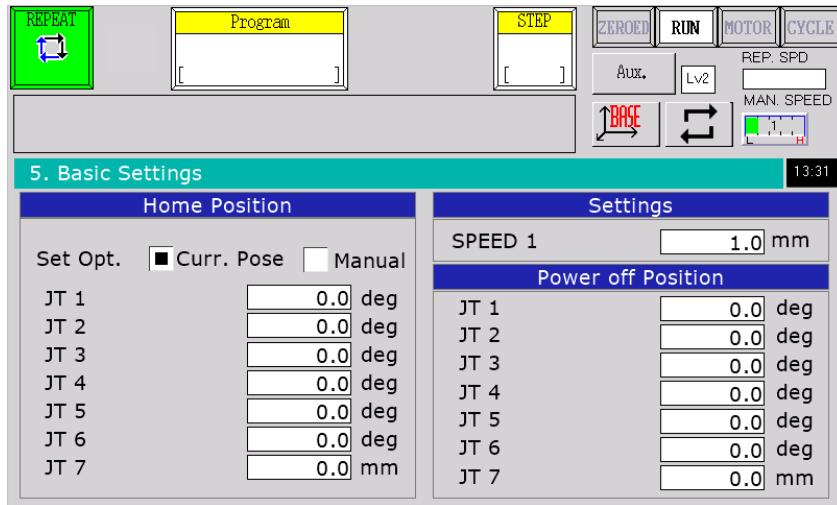


- Motion Limits Page

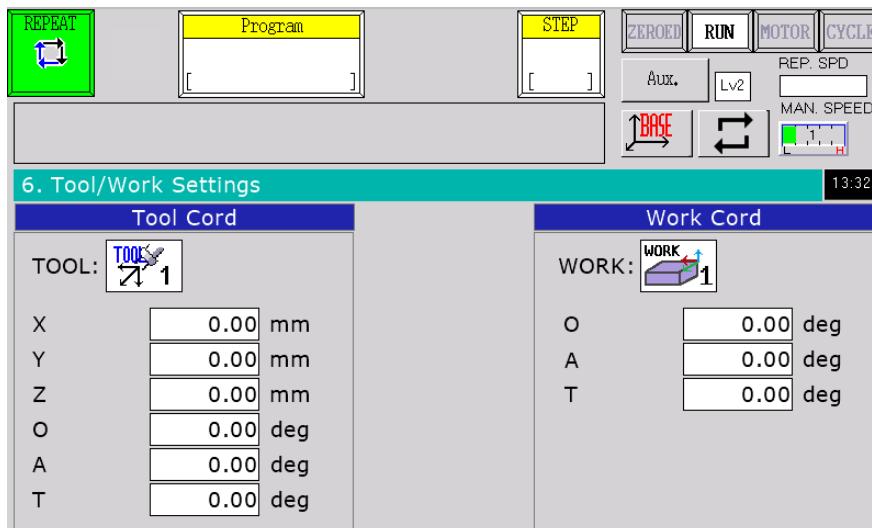


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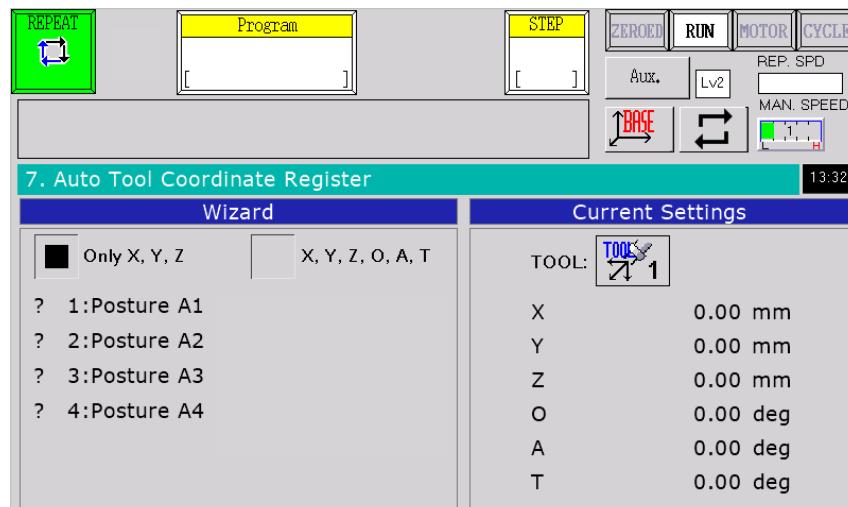
- Basic Setting Page



- Tool/Work Settings Page

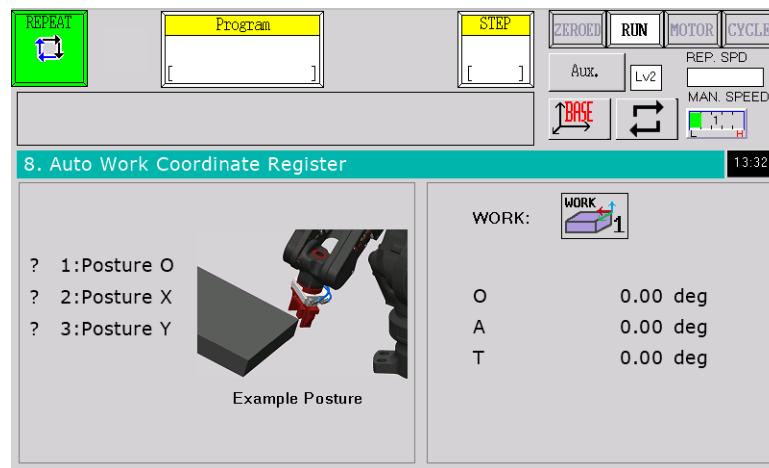


- Auto Tool Coordinate Register

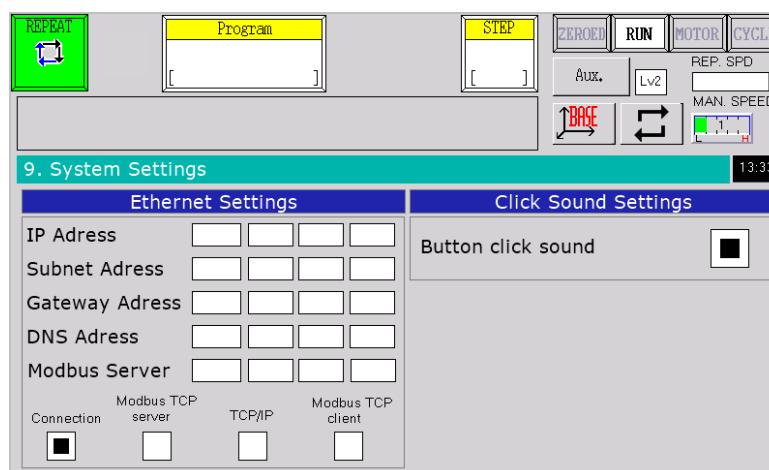


ASTORINO Firmware Revision History

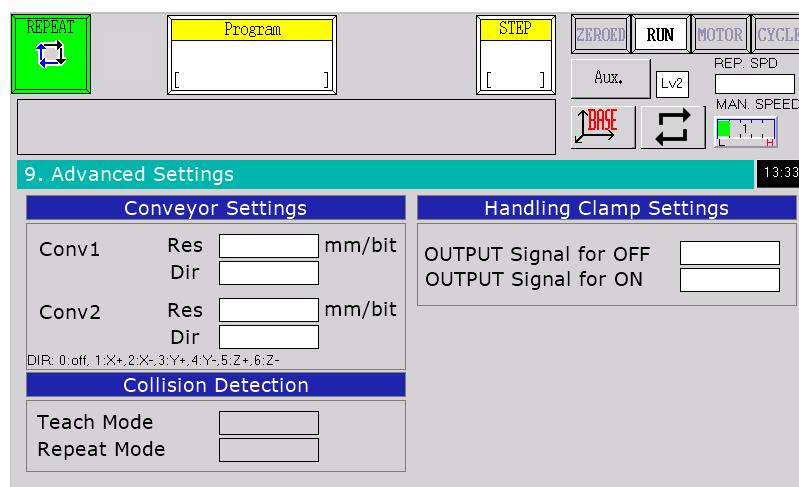
- Auto Work Coordinate Register



- System Settings

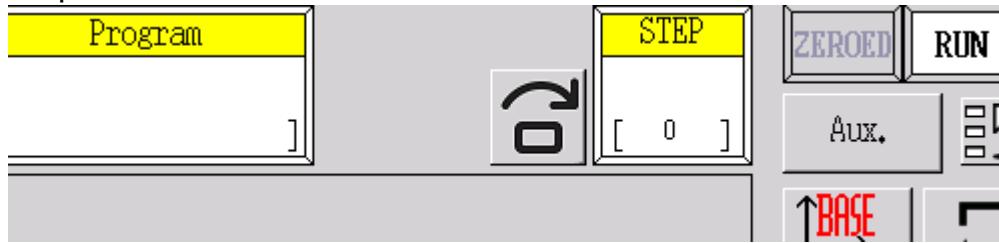


- Advanced Settings

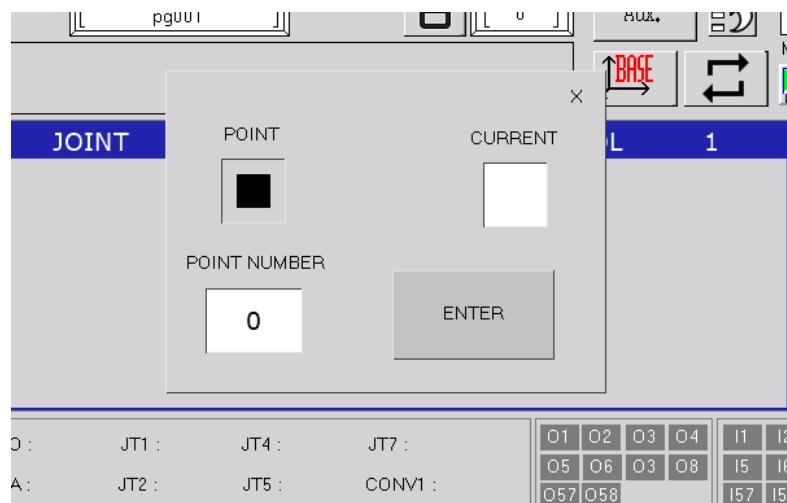


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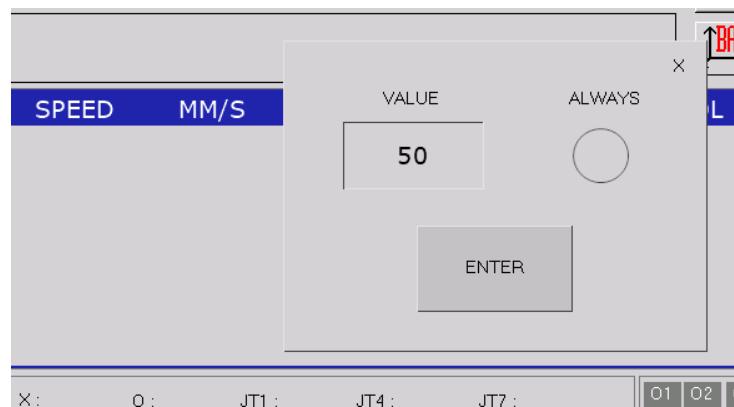
- Skip wait button



- Motion instruction teaching window

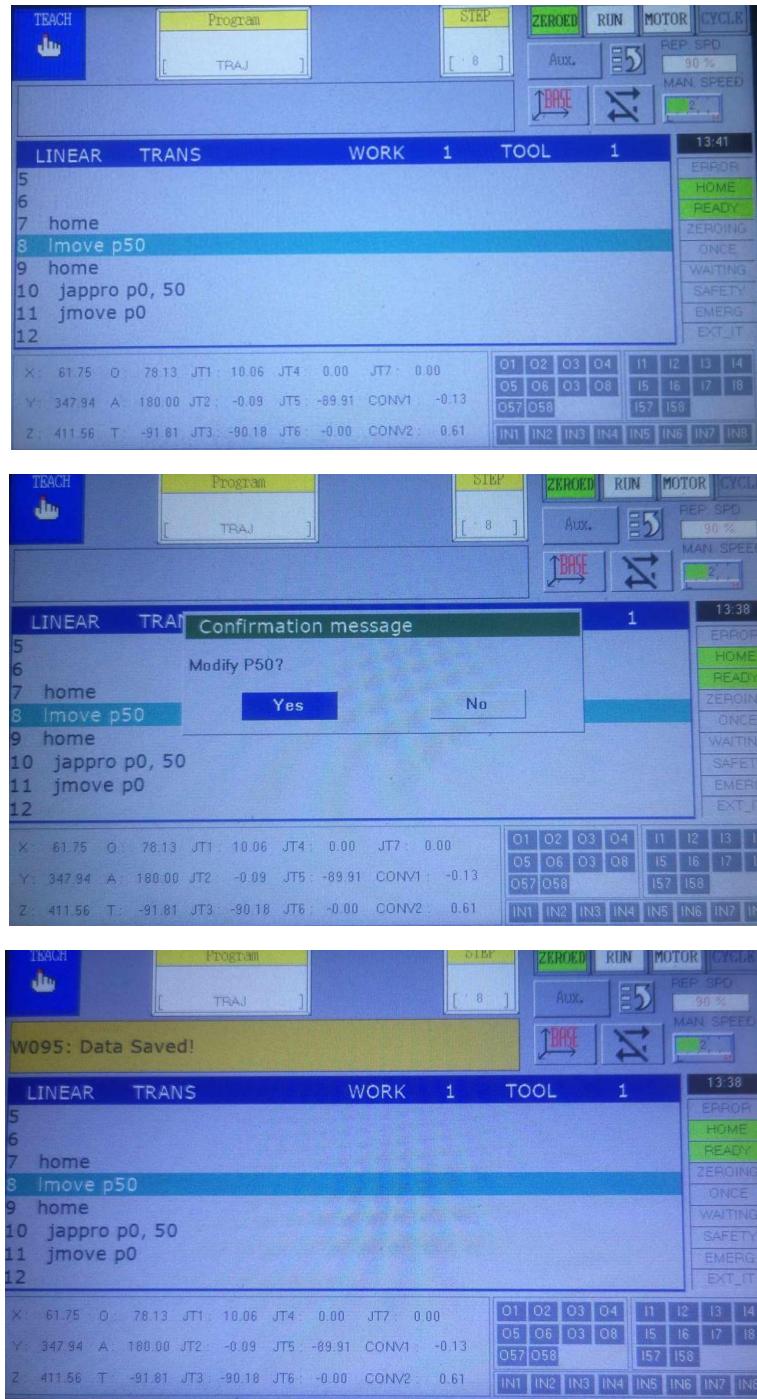


- Speed instruction teaching window



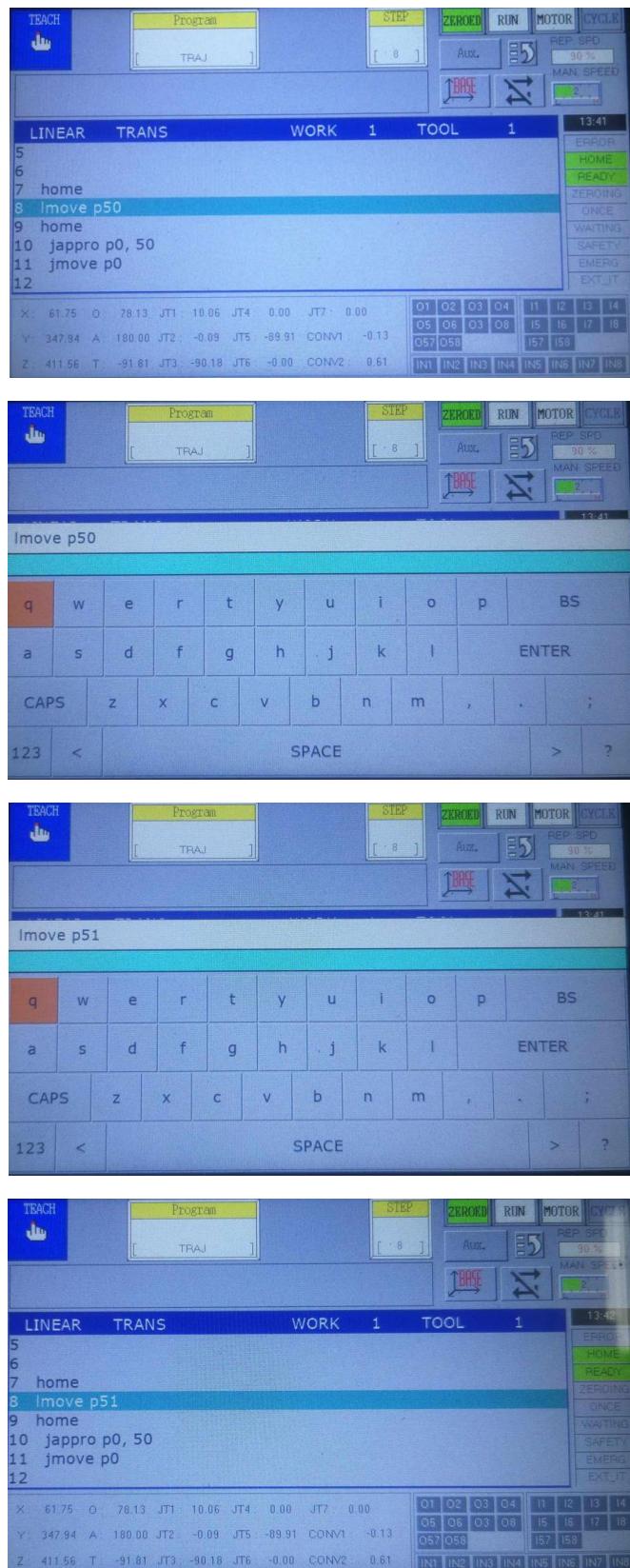
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POS MOD



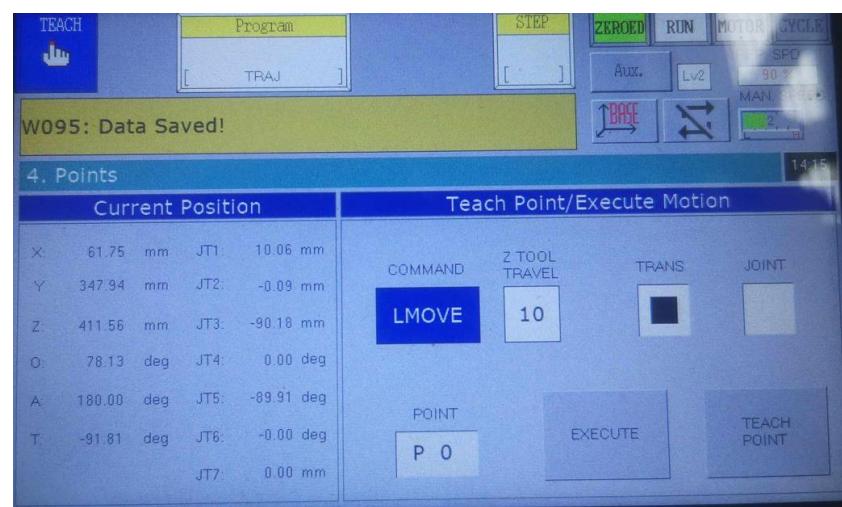
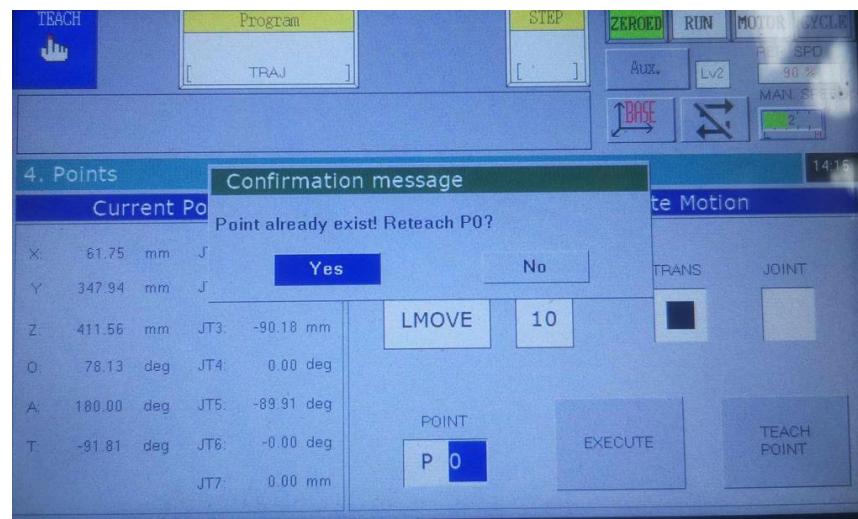
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POS MOD + ALT



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POINTS Page



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2 Firmware 1.0.4

Updates:

- Added possibility to run a program from currently selected line
- TP is compatible with robot firmware version 3.8.4

Bug fixes:

- Minor stability fixes

3 Firmware 1.0.5

Updates:

- Added EXT. User and RTC icons
- TP is compatible with robot firmware version 3.8.5

Bug fixes:

- Updated communication protocol for more stability

ASTORINO Firmware Revision History

Kawasaki Robot
ASTORINO
Firmware Revision History

2024-09: 3rd Edition

Publication: KAWASAKI Robotics GmbH

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