Software

When new software is available an update symbol  is shown on the screen. Go to settings to install the update. If you have any questions, push the question mark button on the screen or contact us.

See what version your robot runs on

The latest software for the operator panel (PLC) is denoted **1.19**. The latest firmware is denoted **16.32**.

The latest software for the control electronics (PCB) is denoted **1.24**.

PLC software change log

1.19 (2023-08-11)

New features
Elapsed time is shown during teach-in
Once a recipe has been used a first time, the recipe run time is shown when starting the next wash
Added support for Polish language
Possibility for service technician to increase reel power (only to be used with 2024 reel motor upgrade)

Improvements
Updated color scheme and icons
Detailed guidance wheel setting is saved and displayed
Indicators of needed homing added for boom and telescope
Possibility to create new locations with virtual markers removed
Wiki-link displayed on help and alarm screens
Zero sensor alarms for arm and nozzle motors improved

Fixed issues
Current detection alarms removed
Removed possibility to use forbidden characters in names
Limit file name input to 30 characters

1.18 (2022-06-08)

Fixed issues
Updated default communication server settings

1.17 (2021-09-22)

New features
Delayed start of first recipe, set in hours
Robot tries to untangle stuck hose reel between recipes by moving forward 1000 pulses
Power to telescope automatically increased beyond position 375 if stuck

Improvements
Feedback on notification feature termination
Soft alarms are no longer flashed during automatic washing, but still found in alarm list
Time limit for low water pressure alarm is increased to 120 s (from 30)

Fixed issues
Removed possibility to set 0 as last marker number

1.15 (2020-06-11)

New features
Added support for undo from joystick (SHIFT1+SHIFT2 then WATER button = UNDO)
Added support Romanian language (separate configuration)
Added support Hungarian language (separate configuration)
Tower and telescope movements will now accept a difference of 10 pulses from target without alarming for getting stuck

Improvements
Automatic run remains paused after emergency stop has been reset
Removed possibility to save empty programs
Other functions are now blocked when wheels are toggled in manual mode
Min and max position for tower and arm removed from Service screen

1.13 (2019-12-19)

New features
Added support for Wi-Fi configured routers

1.12 (2019-11-19)

Improvements
Improved reliability of hose spreader performance

1.11 (2019-10-09)

New features
Added support for Spanish language
Added support for Dutch language

1.9 (2019-07-02)

New features
Added alarms for low and high pressure
Added setting for not going back to the first marker after the recipe is finished
Added support for German language
The robot now sends SMS if washing is aborted unexpectedly
Added support for Korean language

Improvements
Improved guidance when an update is available
Washing is now blocked if homing is not done or if all positions have been reset
Improved battery status accuracy
Improved low battery handling and prevention '

1.8 (2018-12-07)

New features
Added support for virtual markers

PCB software change log

1.24 (2021-11-10)

Minor correction of hose reel standby control

1.22 (2021-03-19)

Faster start of hose reel motor

1.20 (2019-05-02)

Softer ramping of power to the hose reel motor
Delay PLC power on
Updated current measurement algorithm

1.16 (2019-01-24)

Support for pressure sensor

PLC firmware change log

15.52

Manufacturer fixed issue where it was possible for the unit to get stuck while booting which could result in complete backup battery drain if left unresolved
Manufacturer fixed issue where units were not shutting down properly when backup battery voltage was below 2.0 V

15.40

Manufacturer fixed issue with backup battery possibly being drained after quick power toggles
Manufacturer fixed issue with false failing selftests due to backup batteryand loss of data

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