


# 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 **1.15**. The latest firmware is denoted **15.40**.

The latest software for the control electronics (PCB) is denoted **1.20** (denoted 1.19 for older electronics revisions).

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## PLC software change log

### 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

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## PCB software change log

## 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

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# PLC firmware change log

## 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 battery and loss of data

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