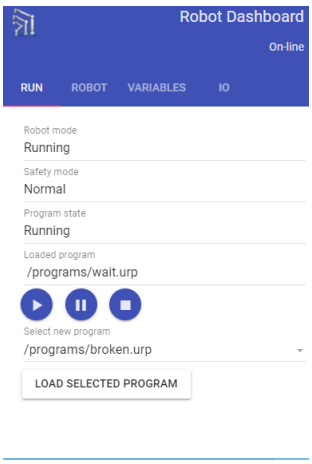
Introduction



The Robot Dashboard is an URCap made for Universal Robot robots. It makes it possible to monitor and control the robot from any browser with network access to the robot.

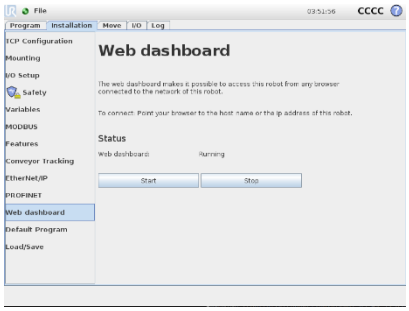
The Robot Dashboard can be downloaded for free for evaluation. See the instruction at http://kimnyholm.com/universal-robots/.

Features and benefits

The Robot Dashboard enables monitoring and control with an easy-to-use web interface.

- Monitoring of program state, robot mode and safety mode
- Monitoring of global variables
- Monitoring of Digital and Configurable IOs
- Start, Pause and Stop programs
- Load new installations
- Load new programs
- Runs on closed networks, no Internet access required
- Support for multiple platforms, i.e. IOS, Android, Windows and Linux
- Support for multiple web browsers, e.g. Internet Explorer, Chrome, Safari and Firefox
- Standard URCap installation on robot, neither additional hardware nor software is required

How does it work



The Robot Dashboard URCap integrates the UR network interfaces of the robot. It supports the dashboard interface, the real-time interface and the primary client interface.

These interfaces are translated into the http protocol and presented in a single page application in a web browser.

Compatibility

Robots:	UR3, UR5, UR10
Controller boxes:	CB3.1
Software versions:	Polyscope 3.4 and higher

Browser support

The Robot Dashboard supports most modern web browsers with HTML5 and JavaScript support on Windows, Linux, IOS and Android.

Recommended browsers and platforms:

- Windows 10: Chrome and Internet Explorer
- Android: Chrome and Samsung Internet

- IOS: Safari
- Linux: Firefox

Network requirements

TCP ports 80, 3000 and 3001 must be opened on the robot controller, e.g. not blocked by firewalls.

Licenses

Licenses apply for a single installation. The following licenses exists:

- Free 30-day evaluation license
- One-time purchase including one year of maintenance and support
- Annual maintenance and support subscription after 1st year

Additional information

For more information see http://kimnyholm.com/universal-robots/ or contact mail@kimnyholm.com.