



DASHBOARD SERVER CB-SERIES, PORT 29999

This article explains how to control the robot from remote control via DashBoard Server.



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DASHBOARD SERVER COMMANDS FOR CB-SERIES ONLY

Examples are valid for:

CB2 Software version: 1.4 and upwards

CB3 Software version: 3.0 and upwards

Note that older or newer software versions may behave differently

A Universal Robot can be controlled from remote by sending simple commands to the GUI over a TCP/IP socket. This interface is called the "DashBoard server". The server is running on port 29999 on the robots IP address. Each command should be terminated by a '\n' also called a newline.

NOTE:

- Commands are not case sensitive.
- Commands only supports ASCII.
- Dashboard commands for e-Series can be found here: [e-Series DashBoard commands](#)

COMMANDS ATTACHED IN THE BOTTOM FOR DOWNLOAD IN PDF FORMAT

Testing the Dashboard server:

For testing purposes a program for testing sockets can be used, like HyperTerminal, or similar. In this example the freeware program SocketTest is used.

Setup a static IP-address and subnet mask on PC, so it matches the robot, e.g.:

PC: IP-addr: 192.168.3.10 Robot: IP-addr: 192.168.3.3

Subnet: 255.255.255.0 Subnet: 255.255.255.0

In the socket test program, use the Client tab to send commands to robot:

