



BRUCONTROL

Process Automation Made Personal

BruControl iSpindel Firmware for BruControl Beta

iSpindel base version: 6.3.1

Updated: October 25, 2020

iSpindel000_g	iSpindel000_a
0.094	25.771
iSpindel000_t	iSpindel000_b
81.275	4.614

- Note: iSpindel connectivity to BruControl requires BruControl “Professional” to utilize its Data Exchange function.
 - Ensure that Data Exchange is enabled, with a selected port (8000 by default), on the Data Exchange tab of BruControl’s Settings.
 - Disable or adjust the BruControl computer’s firewall to enable communication from other network devices to the BruControl application.
- Create Global Variables in BruControl with the following naming conventions, where *iSpindelname* is the name set for the iSpindel device in 6b below.
 - For the Gravity: *iSpindelname_g*
 - For example, if the iSpindel is named iSpindel000, then the BruControl Global would be named ‘iSpindel000_g’ (without the apostrophe’s).
 - For the Temperature: *iSpindelname_t*
 - For the Battery Voltage: *iSpindelname_b*
 - For the Tilt Angle: *iSpindelname_a*
 - Note that Global display names can be changed using the globals’ Display Name property. However, the name must match the convention above to receive data from the iSpindel.
- Download and unzip the package.
- Plug in the iSpindel to the computer’s USB port.
- Run ESP8266Flasher.exe. This is the same one found on the iSpindel website here: <http://www.ispindel.de/docs/Firmware.html>
 - On the Config tab, select the binary file “iSpindel_BruControl.bin” from the package.
 - On the Advanced tab, change the baud rate to 921600.
 - On the Operation tab, select the correct COM port for the iSpindel, then click ‘Flash’.

6. Once the iSpindel flashes, the blue LED should blink, indicating it is in configuration mode.
 - a. Using a WiFi enabled phone, tablet, or computer, select the iSpindel's SSID, then either wait for the configuration page, or open 192.168.4.1.
 - b. On the configuration page, enter the Wi-Fi network and iSpindel parameters (see iSpindel documentation for these).
 - c. For "Service Type", select 'BruControl'.
 - d. Enter the Server Address of the BruControl computer.
 - e. Enter the Server Port of 8000, or whichever is configured in the Data Exchange tab.
 - f. Enter '/globals' in the Path / URI field (as shown, without apostrophe's).
 - g. Save the configuration

Contact BruControl at info@brucontrol.com with any questions or concerns.