

1 Sybok software manual

1.1 Prerequisites

1.1.1 Owner of the executable root:dialout

chown root:dialout sybok

1.1.2 file Permissions

chmod u=rwx,=g=rx,o= sybok

1.1.3 Execution

Sybok must be executed from a user of the group dialout or from root

1.2 Environment variables

Some environment variables can be set before starting the application to change its configuration

1.2.1 UNIQUEID property f112

The unique id of the device as default is one constant written in the software but can be overridden setting the environment of variable UNIQUEID before launching the application

1.2.2 GPIO

32 gpio are used to manage the digital inputs and outputs, the first 16 are configured as inputs and the following 16 are configured as outputs. the default value of the gpio is the number of gpio + 1000 so for example the first input uses the gpio 1000 and the first output the gpio 1016, the number of the gpio can be configured by setting the environment variable GPIOX where X is the number of the gpio. If you set the GPIOX to the value -1 the relative gpio is disabled for example to set the second digital input to 10 set GPIO1 = 10.