
domogik-plugin-rpigpio

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Plugin rpigpio

1.1 Purpose

Reading or writing 0/1, true/false from the gpio of a raspberry pi.

1.2 Dependencies

- RPi.GPIO (>=0.6.2)

User domogik must be part of gpio group if not you'll get an exception:

RuntimeError: No access to /dev/mem. Try running as root!

```
sudo adduser domogik gpio
```

1.3 Plugin configuration

There is only parameter to configure for the plugin :

Key	Default value	Description
GPIO_assignment	BCM	Defines the pin read method to use (BCM or BOARD)

Look at <http://www.raspberrypi-spy.co.uk/2012/06/simple-guide-to-the-rpi-gpio-header-and-pins/> to know the difference between BCM and BOARD:

The BOARD option if you refer to the pins by their numbers (i.e 11 for pin 11 that is marked as GPIO17).

The BCM option if you refer the pins by the “Broadcom SOC channel” number, these are the numbers after “GPIO” (i.e 17 for GPIO17).

1.4 Create the domogik devices

1.4.1 Domogik device type : gpio.input or gpio.output

1 parameter is need for a domogik GPIO device creation

Key	Type	Description
pin	integer	The pin number to use

Gpio.output device also have a sensor to know the real state of the output if they had been change from something else (another program for example).

1.5 Start the plugin

You can now start the plugin (start button) and use the created devices.

1.6 Set up your widgets on the user interface

You can now place the widgets of your devices features on the user interface.

Development informations

Nothing for now.

Changelog

3.1 0.2

- Plugin improvement (lots of todo)

3.2 0.1

- Plugin creation