

Configurator

one software to conf them all

Introduction

If you succeeded to build a sensor and to upload a firmware onto it (GG) you are probably wondering “How the hell am I supposed to configure it in order to make it work with my network and with my server” aka “WTF?”.

Well **configurator.py** is the answer ! This software is designed to allow you to configure a sensor device either from your computer through the network or through a serial link to perform the initial configuration.

How do I launch it ?

That’s rather easy. You just have to go into the util/configurator folder then run `python configurator.py`. Note that you have some dependencies to satisfy in order to run the software, namely :

- python (you don’t say)
- python-serial
- python-gtk, python-gtk2 or pygtk depending on how the package is called in your distro

How do I use it ?

Well, the interface is quite simple actually. And the fields are quite self explanatory. All you need to do is to fill in all the forms and hit the “Connect and upload” button. If some important fields are not properly filled then an error shall be raised and nothing will be uploaded. You will not break your config :)

If you just want to edit it, you can alternatively load the config from a sensor to your interface. Then identically just hit the “Connect and download” button.

Let’s do that !

Yep, but before you get frustrated because “stupid software won’t work” you have to know that an initial serial configuration requires a slight physical interaction with the device. That is to say you have to do two things : firstly you have to change the switch of the wifi shield from the “Run” to the “Prog” mode. Then while pressing the “Download” or “Upload” button you have to press the

pushbutton located on the right part of the shield. This will allow the device to be serially configured.

To do this wirelessly you don't need such manipulations. Just fill in the address and here you go !

Master key

Note that you don't need to provide the master key if you are reprogramming the software via the serial link.