

# HOW-TO: Running the Piksi Console from source

---

In the `piksi_tools/console` ([https://github.com/swift-nav/piksi\\_tools](https://github.com/swift-nav/piksi_tools)) directory there is a simple GUI console for visualizing various status information Piksi sends to the PC. The instructions below refer to running the last version of the console that supported piksi 2.3.1 (v0.30.9). If you require installing the swift console from the master branch from source, please refer to the readme on the repository:

If anything in this guide is incorrect or unclear, please email our [mailing list](https://groups.google.com/forum/#!forum/swiftnav-discuss) (<https://groups.google.com/forum/#!forum/swiftnav-discuss>).

## Contents

---

**Getting the source**

**Install prerequisites**

**Install Piksi Tools**

**Running the console**

## Getting the source

---

If you haven't already done so, clone the `piksi_tools` repository ([https://github.com/swift-nav/piksi\\_tools](https://github.com/swift-nav/piksi_tools)) from GitHub:

```
$ git clone https://github.com/swift-nav/piksi_tools.git
$ cd piksi_tools
$ git checkout v0.30.9
```

## Install prerequisites

---

For Linux and Macintosh users, the `setup.sh` shell script will install some of the dependencies including PyQt4 and its SIP dependency for your platform. For Windows users, see the instructions for setting up the Python development tools here: [HOW-TO: Setting up developer tools for Piksi#Setting up Python](#).

```
$ cd piksi_tools
```

Linux and OSX only:

```
$ cd tasks
$ ./setup.sh -x install
$ cd ..
```

All platforms

```
$ sudo pip install -r requirements.txt
```

# Install Piksi Tools

---

The following command will install Piksi tools as part of your Python site packages. This will also make it easy to use piksi\_tools from other python projects.

```
$ sudo python setup.py install
```

## Running the console

---

Plug in Piksi via USB, and then start the GUI console.

```
$ python piksi_tools/console/console.py
```

Running with the --help option will display a list of optional command line arguments.

```
$ python piksi_tools/console/console.py --help
```

The default USB serial device used is /dev/ttyUSB0, to use a different device (e.g. under OS X or Windows) you may specify the -p option.

```
$ python piksi_tools/console/console.py -p /dev/tty.usbserial1234
```

or on Windows:

```
$ python piksi_tools/console/console.py --p COM3
```

---

Retrieved from "[http://docs.swiftnav.com/w/index.php?title=HOW-TO:\\_Running\\_the\\_Piksi\\_Console\\_from\\_source&oldid=24119](http://docs.swiftnav.com/w/index.php?title=HOW-TO:_Running_the_Piksi_Console_from_source&oldid=24119)"

---

This page was last edited on 30 August 2018, at 19:56.