





http://raspberrypi.org

 **BLOG** **DOWNLOADS** **COMMUNITY** **HELP** **FORUMS** **EDUCATION** 




SIGN UP TO RASPBERRY PI WEEKLY


LATEST BLOG POST



PLAN BEE
Bees are important. Bees are important. Bees are important.

 **Shop**

MORE FROM THE BLOG...



HACKING AND MAKING IN MINECRAFT
CODE VIRTUAL WORLDS ON Raspberry Pi
MOD MINECRAFT PI WITH OUR LATEST ESSENTIALS BOOKS



ROCKET MAN



HI FI RASPBERRY PI – DIGITISING AND STREAMING VINYL



USELESS DUCK COMPANY

http://raspberrypi.org



BLOG

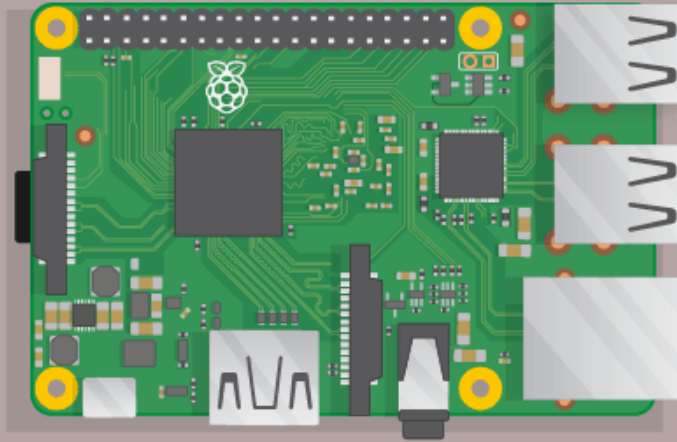
DOWNLOADS

COMMUNITY

HELP

FORUMS

EDUCATION



GET STARTED WITH RASPBERRY PI

DOCUMENTATION



DOCUMENTATION

Technical documentation for using the Raspberry Pi



Shop

HELP GUIDES...

NEW
HELP GUIDE

HARDWARE GUIDE

NEW
HELP GUIDE

SOFTWARE GUIDE

NEW
HELP GUIDE

ADD-ONS GUIDE

NEW
HELP GUIDE

TROUBLESHOOTING GUIDE

http://raspberrypi.org



BLOG

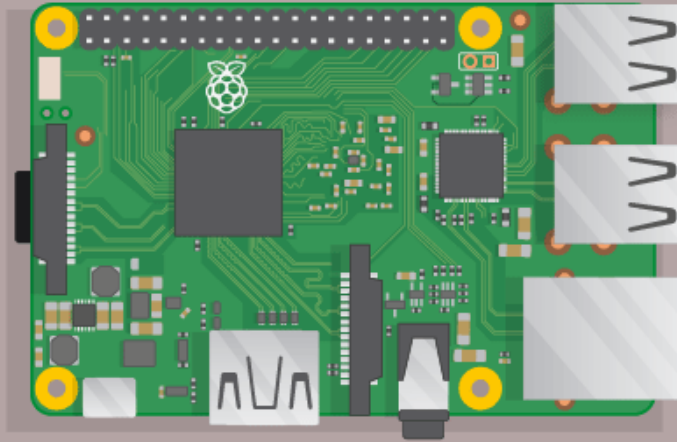
DOWNLOADS

COMMUNITY

HELP

FORUMS

EDUCATION



GET STARTED WITH RASPBERRY PI

DOCUMENTATION



DOCUMENTATION

Technical documentation for using the Raspberry Pi



Shop

HELP GUIDES...

NEW
HELP GUIDE

HARDWARE GUIDE

NEW
HELP GUIDE

SOFTWARE GUIDE

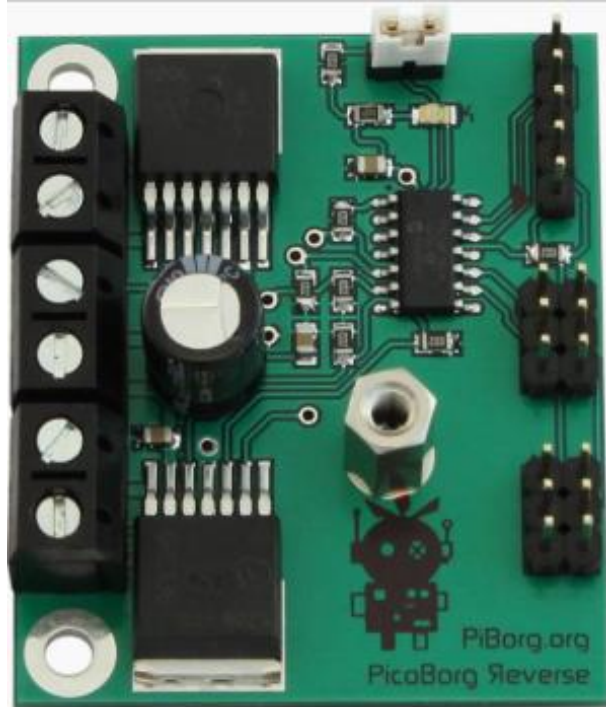
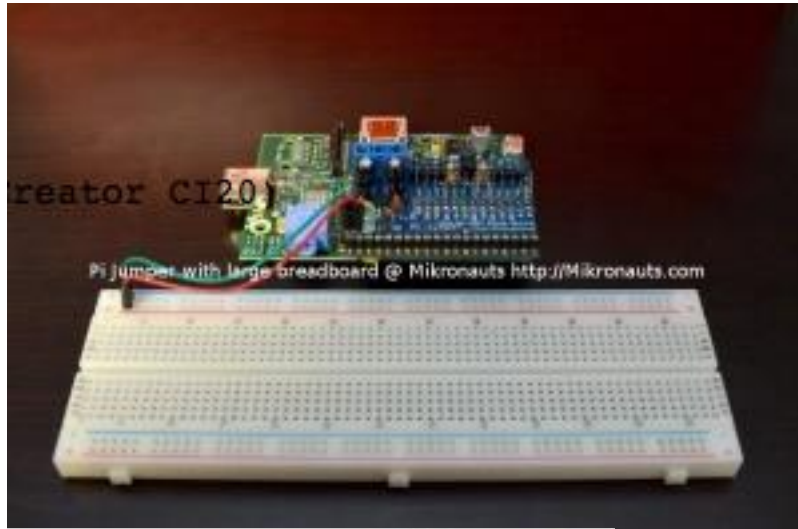
NEW
HELP GUIDE

ADD-ONS GUIDE

NEW
HELP GUIDE

TROUBLESHOOTING GUIDE

http://elinux.org/RPi_Expansion_Boards



WiringPi Resources

- [Raspberry Pi GPIO Pin numbering](#)
- [Download and install](#)
- [Examples and How-To's](#)
- [WiringPi function reference manual/documentation](#)
- [GPIO Extensions](#)
- [DevLib](#)
- [The GPIO Utility](#)

PiFace

WiringPi fully supports the [PiFace board](#) too. See [this page](#) for more details.

Gertboard

WiringPi fully supports the Gertboard. See [this page](#) for more details.

Other wiringPi resources:

- Thanks to [Gadgetoid](#) there are now wrappers for Ruby, Python and Perl and these can all be [found here](#).
- Thanks to [Jeroen Kransen](#) there are wrappers for Java which can be [found here](#).
- Thanks to Dave Boulton for creating a TCL wrapper which can be [found here](#).
- [Pi4J](#) is another Java project that uses WiringPi. It has a [Github repository here](#).

Additional information can be found on the Raspberry Pi [Wiki](#) pages.



ROOT
Data Analysis Framework

Google™ Custom Search

[Download](#) [Documentation](#) [News](#) [Support](#) [About](#) [Development](#) [Contribute](#)



Getting Started



Reference Guide



Forum



Gallery

ROOT is ...

A modular scientific software framework. It provides all the functionalities needed to deal with big data processing, statistical analysis, visualisation and storage. It is mainly written in C++ but integrated with other languages such as Python and R.

[Try it in your browser! \(Beta\)](#)



Download

or [Read More ...](#)

Under the Spotlight

06-07-2016 [CERN Summer Students' Course](#)

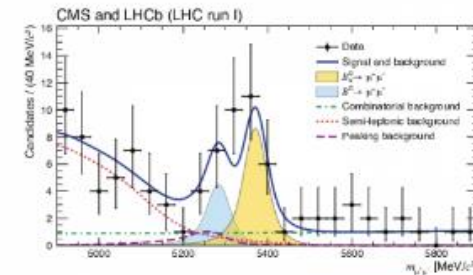
The [CERN Summer Student](#) program is in full swing and ROOT is part of it.

16-12-2015 [Try the new ROOTbooks on Binder \(beta\)](#)

Try the new [ROOTbooks on Binder \(Beta\)](#)! Use ROOT interactively in notebooks and explore to the examples.

05-12-2015 [ROOT has its Jupyter Kernel!](#)

ROOT has its Jupyter kernel! More information [here](#).



[Previous](#) [Pause](#) [Next](#)

Other News

16-04-2016 [The status of reflection in C++](#)

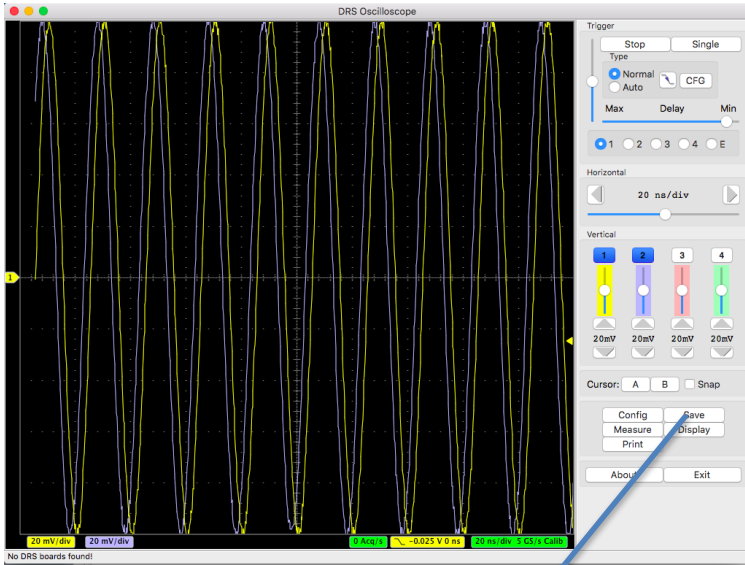
05-01-2016 [Wanted: A tool to 'warn' user of inefficient \(for I/O\) construct in data model](#)

03-12-2015 [ROOT::TSeq::GetSize\(\) or ROOT::seq::size\(\)?](#)

02-09-2015 [Wanted: Storage of HEP data via key/value storage solutions](#)

Latest Releases

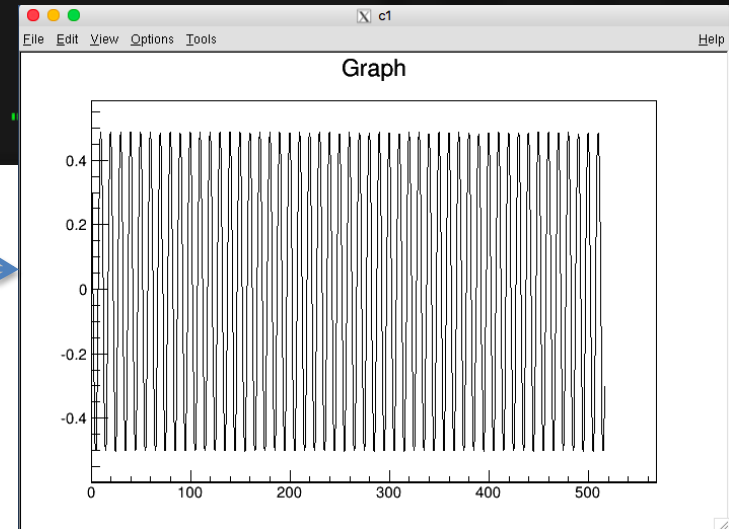
ROOT for data analysis



```
~/rpi$ root
*****
*           WELCOME to ROOT           *
*           Version  5.34/05  14 February 2013           *
*           You are welcome to visit our Web site         *
*           http://root.cern.ch                       *
*****

ROOT 5.34/05 (branches/v5-34-00-patches@48624, Feb 19 2013, 09:50:22 on macosx64)

CINT/ROOT C/C++ Interpreter version 5.18.00, July 2, 2010
Type ? for help. Commands must be C++ statements.
Enclose multiple statements between { }.
root [0] .L read_binary.C+
root [1] decode("test.dat");
Found data for board #2400
Found timing calibration for channel #1
Found timing calibration for channel #2
Found event #1
Found event #2
Found event #3
Found event #4
Found event #5
5 events processed, '
root [2] █
```



<https://midas.psi.ch/elogs/DRS4+Forum/361>