

Using the USB Logic Analyzer with sigrok Pulseview

The sigrok project is an open source signal analysis software suite with support for various projects. sigrok PulseView will be used to view and process signals with Sparkfun logic analyzer.

The installation instruction on sparkfun for the logic analyzer is incomplete. **Windows** users should *carefully* follow driver installation instructions below for a properly working logic analyzer.

Mac users should have no driver issues.

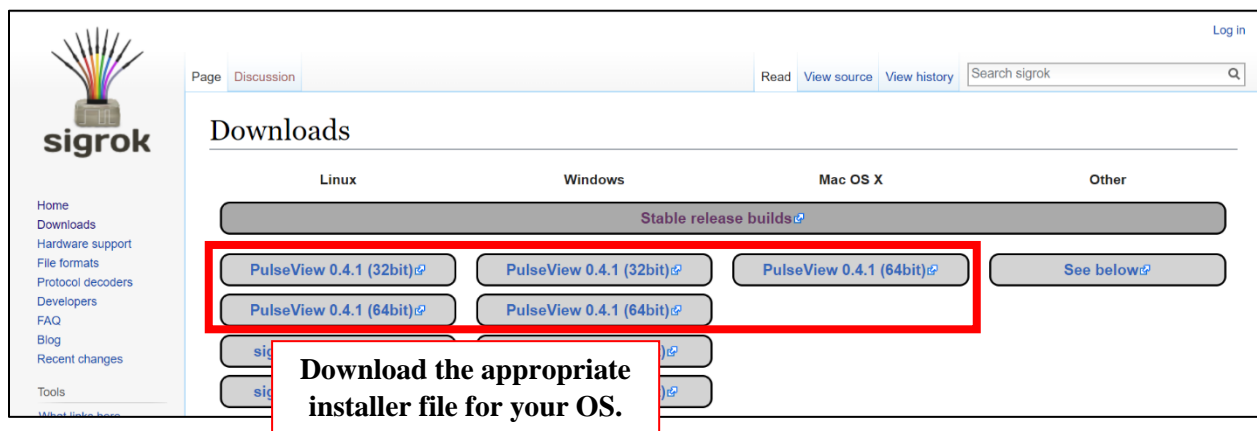
Software

sigrok Pulseview

Download the latest stable release of **PulseView** from [sigrok's downloads page](https://sigrok.org/wiki/Downloads) linked below.

<https://sigrok.org/wiki/Downloads>

1. **Download** and **run** the appropriate installation file for your computer.



2. Follow the on-screen instructions and complete the installation.

Mac users can skip the driver installation and go to [Setting Up Software and Hardware](#).

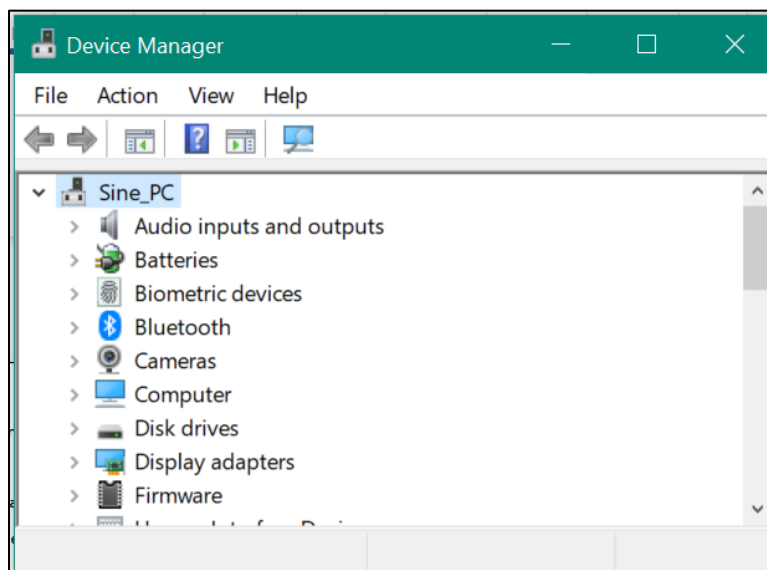
Windows users must install proper drivers in order for the Hardware to work.

Driver Installation Instructions

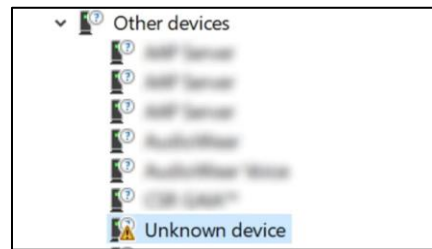
1. **Download** the driver file from the [link](#) below

<https://drive.google.com/file/d/1MgYssahOlsJhERUkGSG6eOZ3M2qGIfUT/view?usp=sharing>

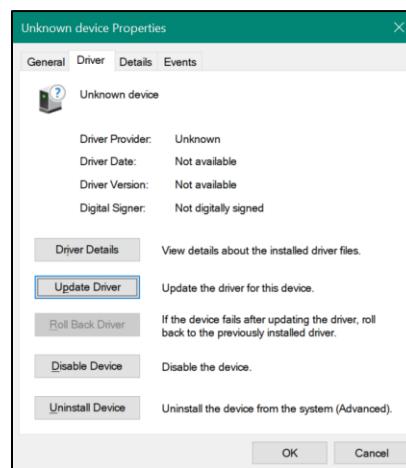
2. Unzip the downloaded file [Windows.zip] to Desktop.
 - ? **Double click** the downloaded file [Windows.zip].
 - ? **Select the Windows folder and Drag and Drop** it onto desktop. The file will be automatically be extracted to desktop.
3. Plug in your USB Logic Analyzer.
4. Open Device Manager
 - ? Press **Window key + X** or **right click** on Start to open the Power User Menu
 - ? Select **Device Manager** in the Menu. You should see something similar to the example below.



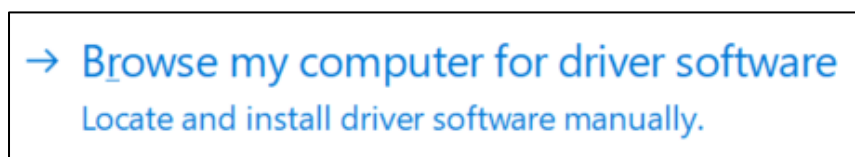
5. **Expand** the Other Devices tab and **double click** on Unknown Device



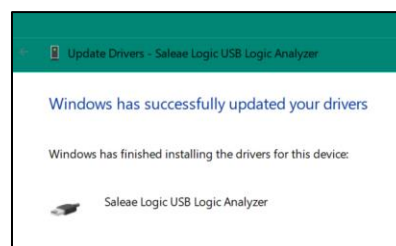
6. Under **Driver** Tab, Click **Update Driver**



7. Click **Browse my Computer** for Driver Software



8. Click **Browse** and then **select the Windows folder** [Unzipped earlier] on your desktop.
9. Press Next to install the driver.

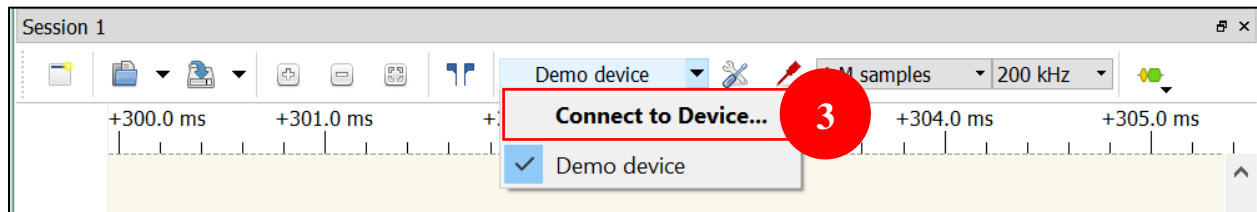


Setting up Software and Hardware

1. **Plug in** your USB Logic Analyzer. You should see green and red LEDs illuminating.
2. **Launch** PulseView.

If PulseView does not automatically detect your Logic Analyzer, you'll need to set up manually.

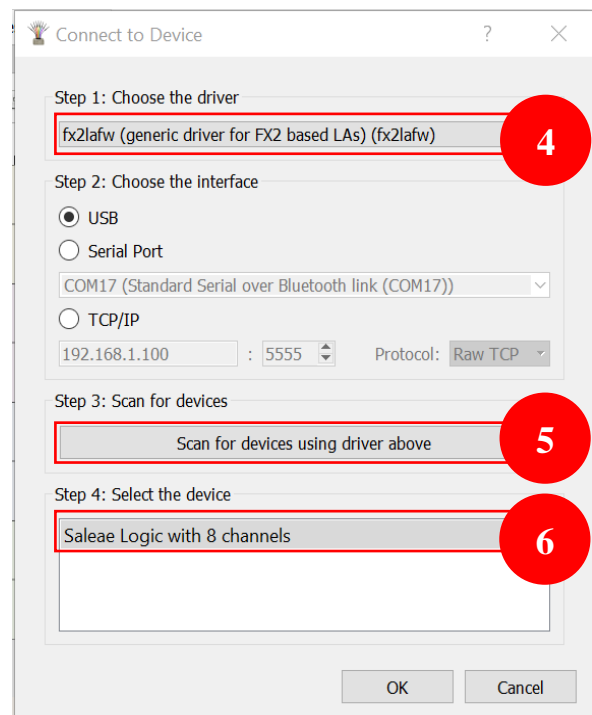
3. Under Demo Device, click on **Connect to Device...**



4. Under **Step 1: Choose the driver**, select **fx2lafw (generic driver for FX2 based LAs)**.

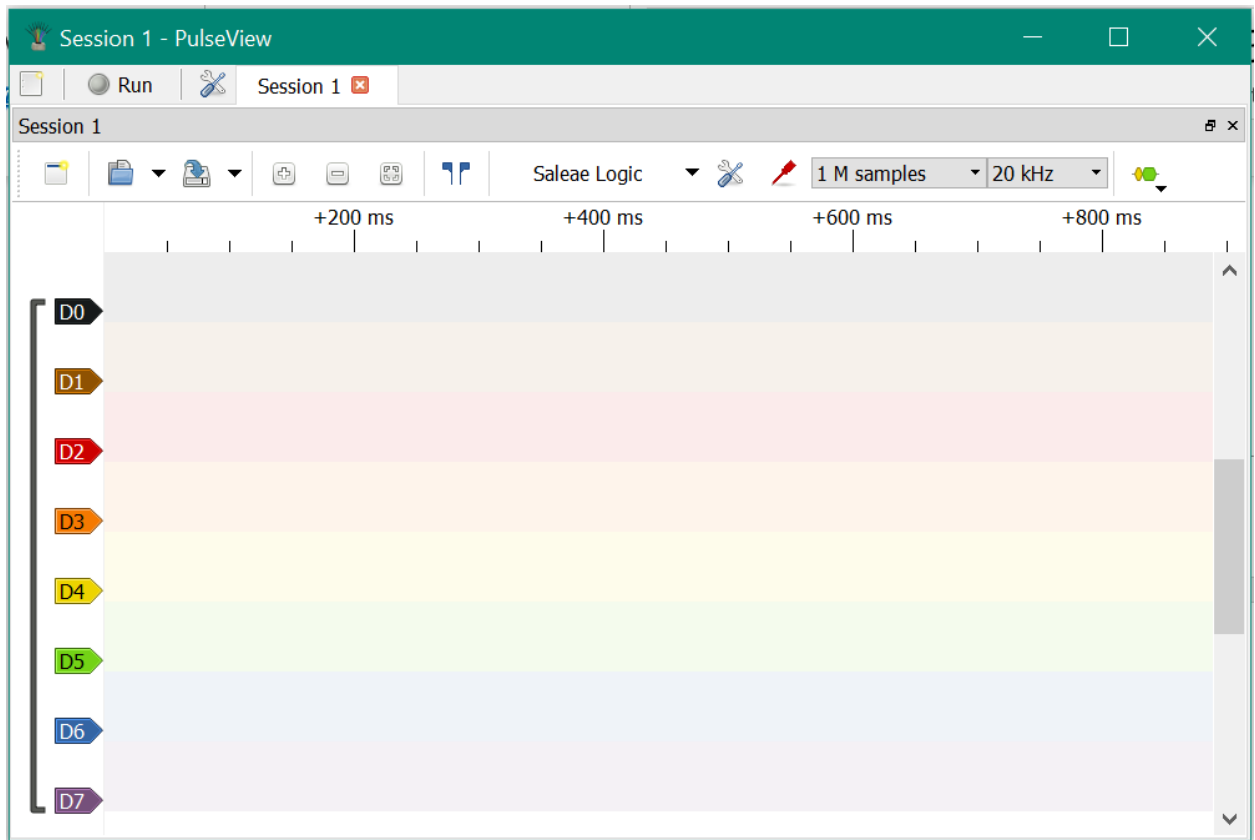
5. Press **Scan for devices using the driver above**.

6. Select **Saleae Logic with 8 channels**.
If your computer is showing anything else, unplug the USB and plug-in again.



You'll be greeted with a blank slate of eight colorful bands of logic channels, numbered D0 to D7 (these match the CH0-CH7 labels on the LA).

7. Click on Run on the top left corner to start scanning.



Sparkfun Logic Analyzer Installation Instructions. Created 2.14.2020

All webpages last accessed 2.14.2020.