Building WSJT-X on Raspberry Pi

It already comes packaged for the Raspberry Pi.

* Raspbian Jessie, ARMv6 ... :  [wsjtx\_2.0.0-rc3\_armhf.deb](http://physics.princeton.edu/pulsar/K1JT/wsjtx_2.0.0-rc2_armhf.deb)

I’m using a fairly recent and clean Raspbian 9 (“stretch”) installation.

Download the source <wsjtx-2.0.0-rc3.tgz> , from <http://physics.princeton.edu/pulsar/K1JT/wsjtx.html> on an RPI 3, of course, and try to build it.

Incomplete Instructions are in the INSTALL file.

Dependencies are listed at the beginning but a few others were discovered along the way.

Boiled down:

(warning: sometimes ASCII – gets changed to some other similar looking character.  It looks OK but causes a problem if you copy-n-paste to command line.)

build-essential (singular, not plural) already there.

gcc 4.8.2 is mentioned but I’m already up to 6.3.0

sudo apt-get install gfortran                        (this gives us 6.3.0 rather than listed 4.8.2)

sudo apt-get install cmake

git is already there.

sudo apt-get install subversion

sudo apt-get install asciidoc                         (fails due to bad hash, a2x missing)

sudo apt-get install libqt5multimedia5    (no -dev version found)

sudo apt-get install libqt5serialport5-dev

sudo apt-get install qtmultimedia5-dev

sudo apt-get install automake

sudo apt-get install libtool

sudo apt-get install texi2html                     (not sure.  Texinfo might be the solution)

sudo apt-get install texinfo

sudo apt-get install libfftw3-dev

sudo apt-get install libusb-1.0

sudo apt-get install asciidoctor

This worked with the rc2 version but not rc3. It complains about a2x missing. As a work-around, I created shell script /usr/local/bin/a2x to fake it out:

#!/bin/bash

echo "Fake a2x"

Now we can build.

cd ~

mkdir build

cd build

cmake  –D WSJT\_SKIP\_MANPAGES=ON   ../wsjtx-2.0.0-rc3

cmake  --build .

sudo cmake  --build . --target install

We need to skip the man pages because a2x is missing due to asciidoc install failure.

The skip man pages option worked for rc2 but not rc3. Creating a fake a2x was necessary.