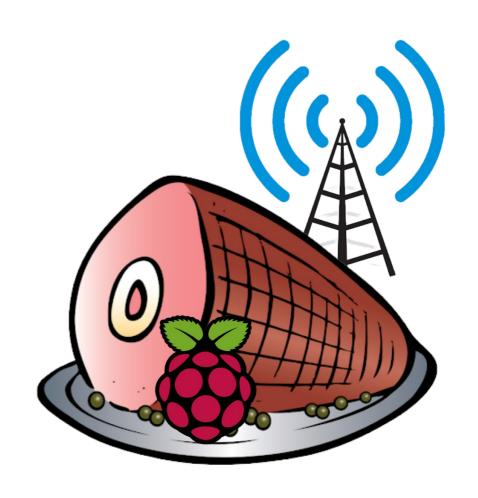
Delicious HamPi

- Presenter: Bruce
 MacAlister, W4BRU,
 w4bru@arrl.net
- Venue: via Zoom to Richmond Amateur Radio Club, http://rarclub.net/
- Date: January 9th
 2021



Who did it



18:51:34 **Database** Enter Query by Callsign Search Swapmeet Contact Subscribe Resources W3DJS GRID United States COUNTIES **David J Slotter** 710 Dacula Road Ste 4A #193 World Radio Friendship Dacula, GA 30019 EUROPE USA QSL: LotW, QRZ, eQSL, ClubLog, HamC CONTINENTS OF THE WORLD Email: w3djs@arrl.net XML Subscriber Lookups: 19987 **Biography** Logbook Log a NEW contact with W3DJS... Detail

What it is

A complete load of:

- The Raspberry Pi operating system
- 80+ ham radio apps fully integrated
- A support system on Groups.io
- Wiki documentation
- Regular updates
- Advice on backups, etc.



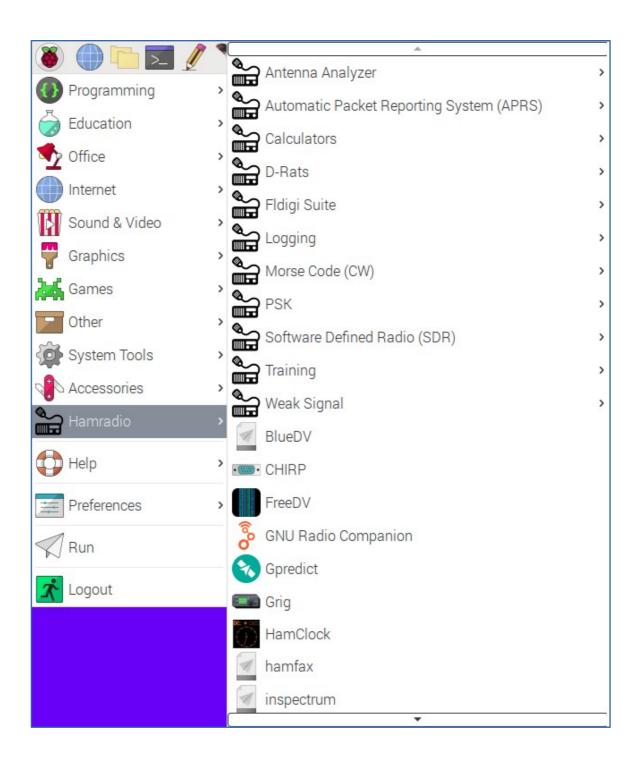
What it contains

- General Ham Radio
 Applications: Main set of general tools.
- Antenna Applications: Design and analysis software for Antennas.
- Software Defined Radio: RTL-SDR, SDRPlay SDR, HackRF SDR
- APRS Applications: APRS

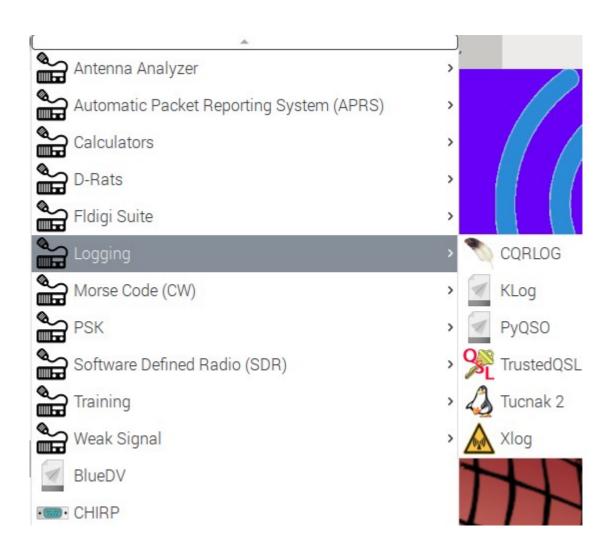
 "Automatic Position Reporting System"

- FLDigi Application Suite: PSK
 31, Olivia, CW, RTTY, etc
- Digital Mode Applications: JT65, JT9, T10, FT8, FT4, WSPR.
- Logging Applications: CQRLog, Xlog, etc
- Winlink Applications: worldwide radio email.
- Morse code Applications: Morse code rig control and training.

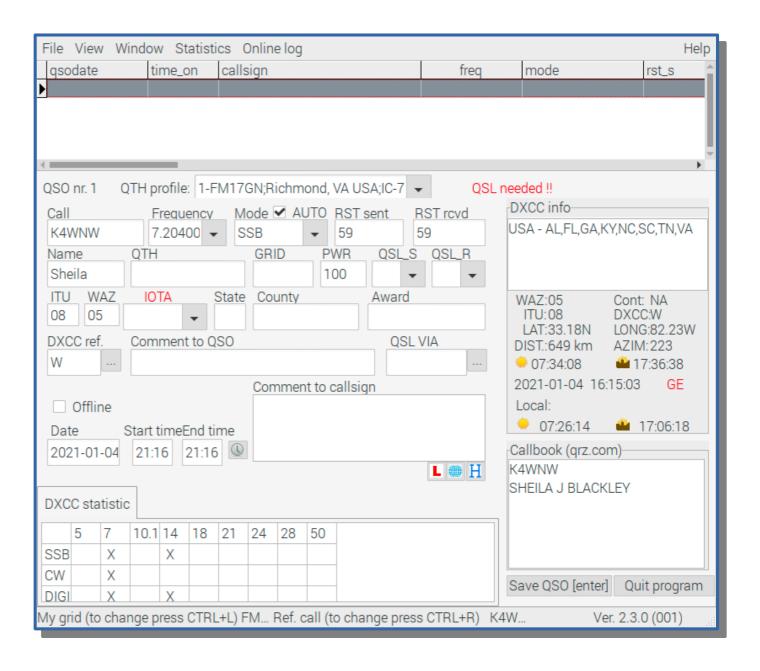
Ham menu



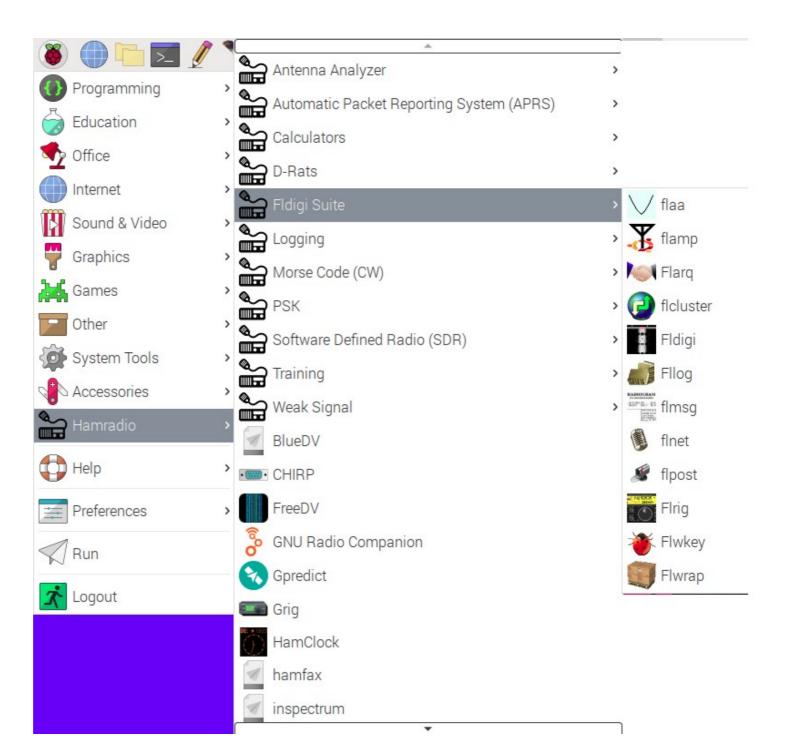
Logging choices



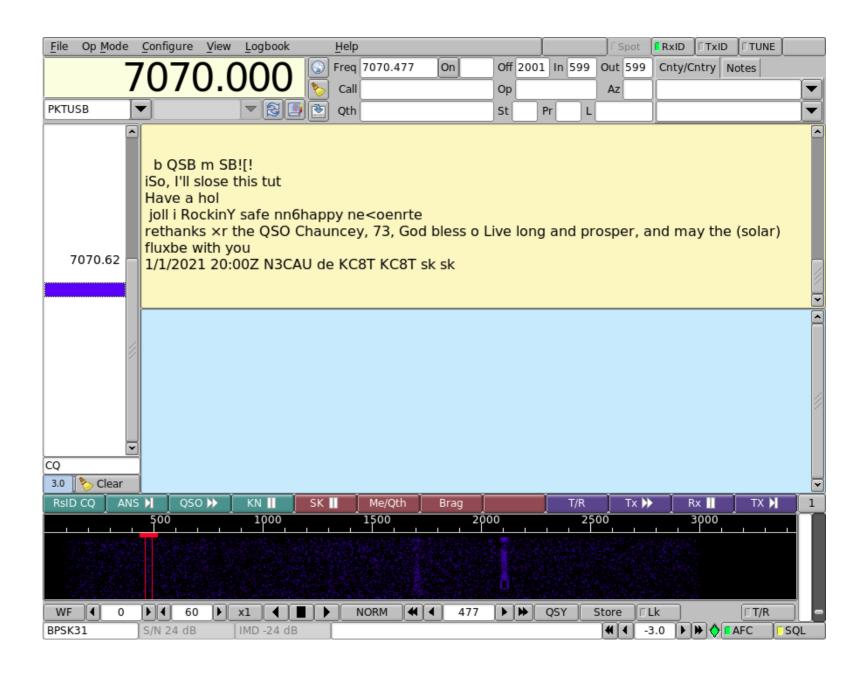
CQRLog



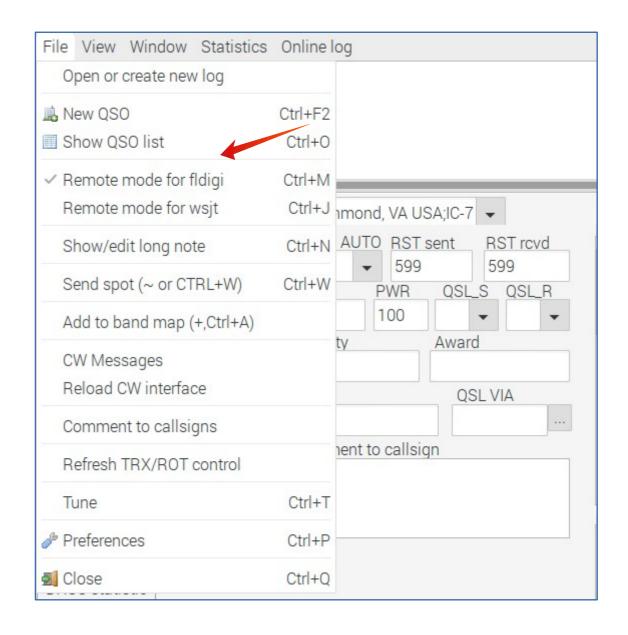
Fldigi



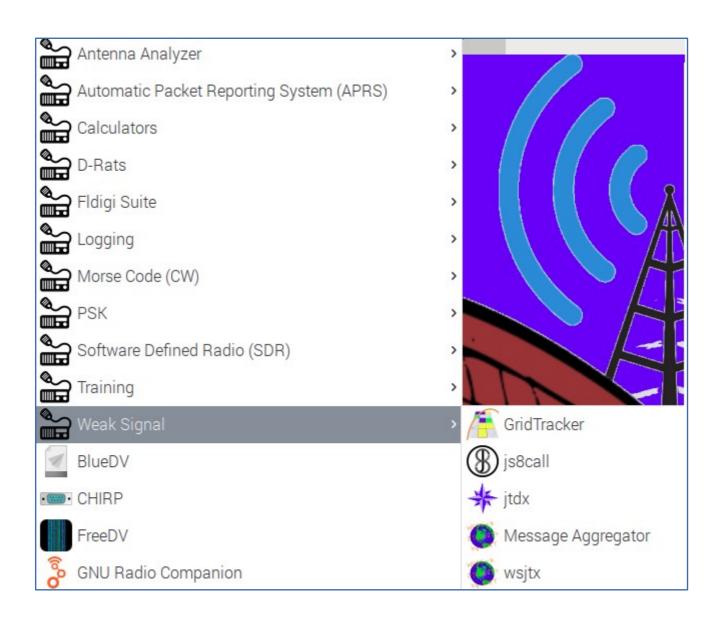
fldigi



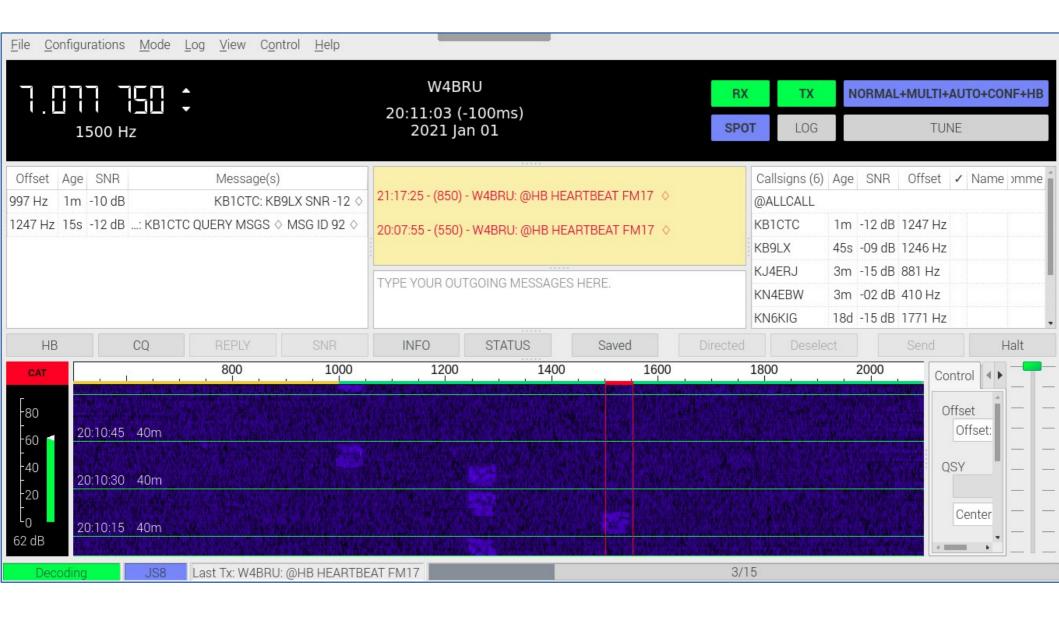
Fldigi & CQRlog



WX...digital



JS8Call



HamPi support network

Groups.io replaces Yahoo special interest groups



HamPi is a Raspberry Pi computer image file that has over 80 amateur radio application installed.

- HamPi applications wiki and information on the applications.

The HamPi version V1.2 was released on December 7, 2020, see message #389.

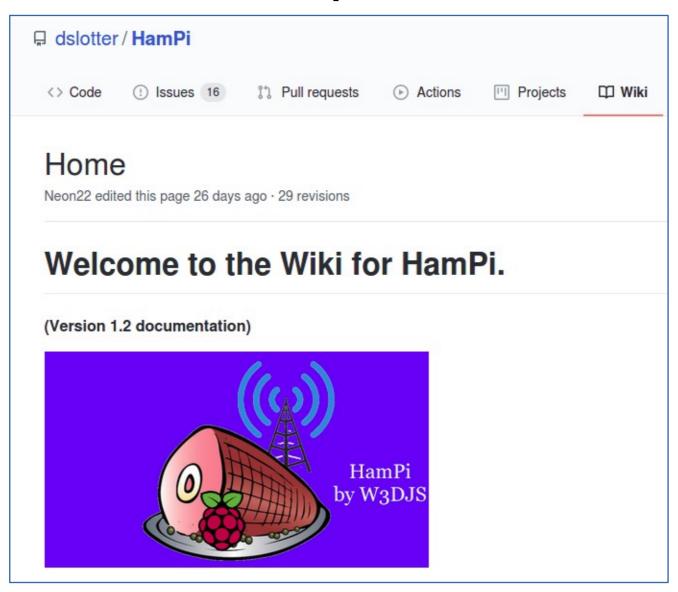
The HamPi version V1.1 was released on September 20, 2020, see message #165.

- Video: Ham Radio - HamPI, possibly the best general ham radio image for the raspberry pi.

David, W3DJS, released HamPi V1.0 on June 19, 2020.

- Video: HamPi Ham Radio Software for Raspberry Pi from W3DJS
- Video: HamPi Raspberry Pi Image for Ham Radio (timestamp 11 to 53 minutes)

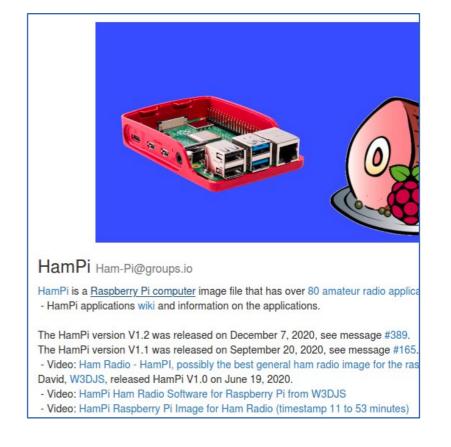
Hampi Wiki



How you load it

- Sign up for https://groups.io/
- Under groups.io "Find" HamPi
- Use the videos, etc. to guide your install





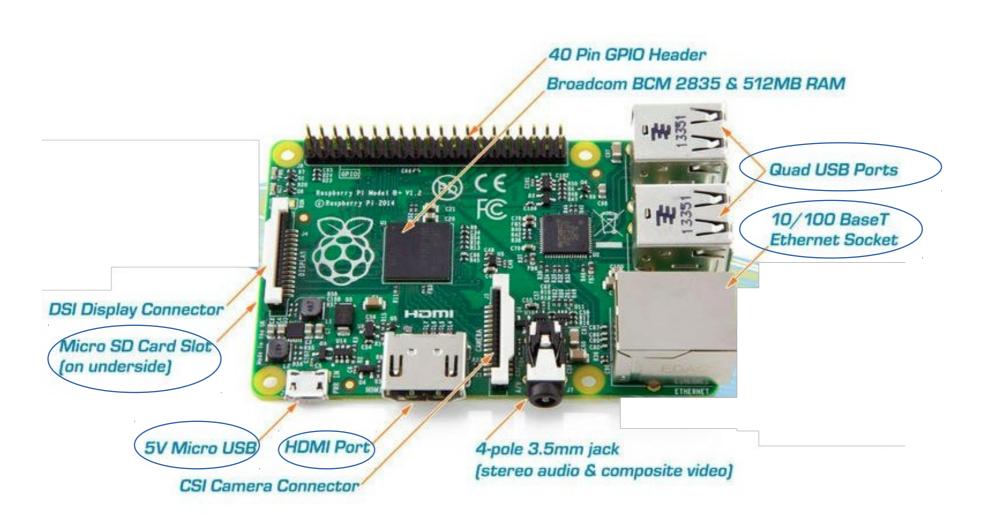
Raspberry Pi description

<u>Family</u>	Model	<u>Size</u>	Ethernet	<u>Wireless</u>
Raspberry Pi 3	В	Standard	Yes	Yes
	A+	Compact	No	Yes
	B+	Standard	Yes	Yes
Raspberry Pi 4	B (1 GiB)	Standard	Yes Gigabit	Yes
	B (2 GiB)	Standard	Yes Gigabit	Yes
	B (4 GiB)	Standard	Yes Gigabit	Yes
	B (8 GiB)	Standard	Yes Gigabit	Yes
	400 (4 GiB)	Keyboard	Yes Gigabit	Yes

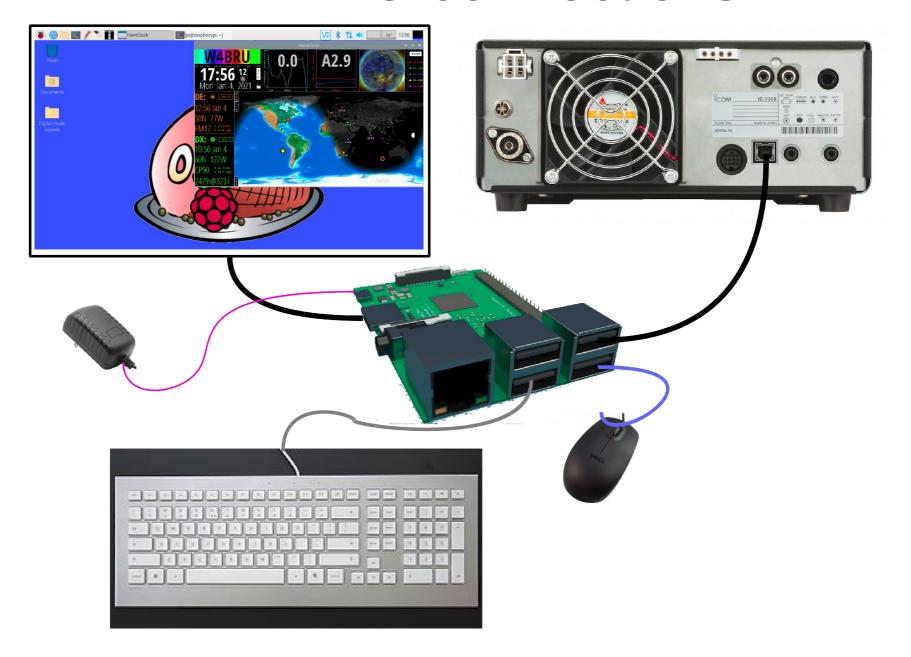




Raspberry Pi connections



W4BRU connections



Facing the Terminal

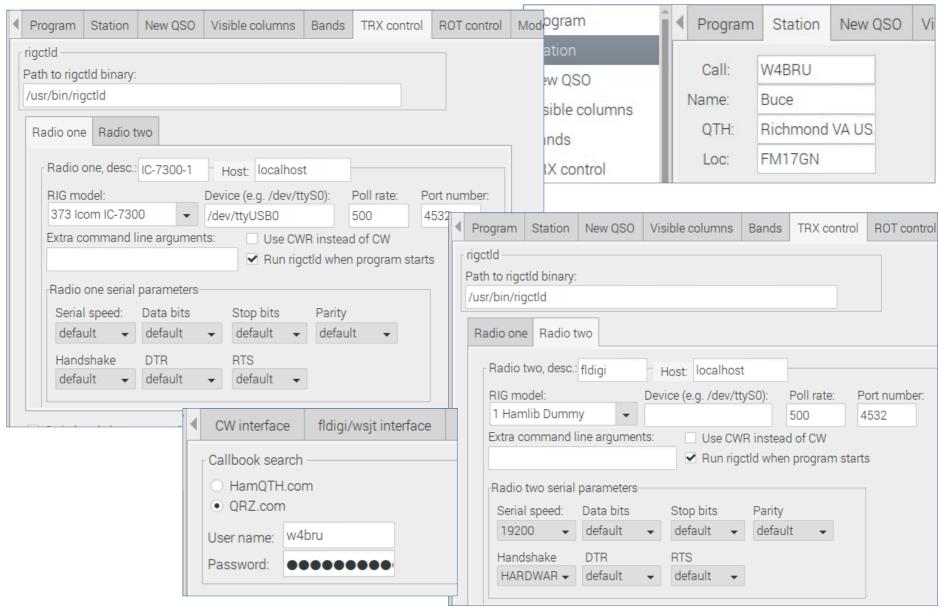
```
step 1: Backup Pi Home Directory using the following command (it is all one line):
d /tmp && tar --use-compress-program=pigz -cvf pi home dir.tar.gz --exclude-caches --exclude
'pi/.cache/" --exclude "pi/Downloads/*" --exclude "pi/GridTracker/*" --exclude "pi/HamRadio/*" --
exclude "pi/YAAC/*" --exclude "pi/dump1090 1.3.1 sdrplay/*" --exclude "pi/wsjtx to n3fjp/*" --
                                 ude "pi/Documents/GridTracker/*" --exclude "pi/Documents/ardop-
exclude
list/*"
                                 python3.7/*" --exclude "pi/perl5/*" --exclude "pi/ardop/*" --
                                 ions /home/pi/
absolute-
            Cut
Step 2: S
                                 e off the Pi
           Сору
                                 ar.bz2" on to external media, for example, a USB memory stick.
Then copy
            Paste'
            Delete
Step 3: F
                                  to a new (micro)SD card.
            Select All
                                  r.tar.bz2" to your /tmp directory on the new HamPi card.
Step 4: C
            Change Case
Step 5: This is optional. If you wa
                                    File Edit Tabs Help
you may run Tar in a test or dry ru
```

pi@raspberrypi:~ \$ cd /tmp && tar --use-compress-program=pigz -cvf pi_home_dir.t
ar.gz --exclude-caches --exclude "pi/.cache/" --exclude "pi/Downloads/*" --exclu
de "pi/GridTracker/*" --exclude "pi/HamRadio/*" --exclude "pi/YAAC/*" --exclude
"pi/dump1090_1.3.1_sdrplay/*" --exclude "pi/wsjtx_to_n3fjp/*" --exclude "pi/pyqs
o-1.1.0/*" --exclude "pi/Documents/GridTracker/*" --exclude "pi/Documents/ardoplist/*" --exclude "pi/.local/lib/python3.7/*" --exclude "pi/perl5/*" --exclude "
pi/ardop/*" --absolute-names --preserve-permissions /home/pi/

Sources of connection advice

- Hampi group in Groups.io.
- The group for your transceiver (like IC-7610) or rig interface (like Signal Link) in Groups.io.
- Search for independent support groups that don't use groups.io like CQRLog and fldigi.
- Email notes to W4BRU, KX4QC, and W4PGT

Setting up software



Pi vendors

https://www.raspberrypi.org/products



Pi vendors

https://www.raspberrypi.org/products

These companies are all Raspberry Pi Approved Resellers. You will be taken to their site to buy this product. adafruit **DESIGN THE WORLD Cana Kit** computers & electronics гурі

Hampi – questions, discussion

