

## Headless HamClock on the Web

Following is my synopsis of detailed instructions thanks to G6HNU and found here:  
<https://qso365.co.uk/2024/05/how-to-set-up-a-hamclock-for-your-shack/>

Download Raspberry Pi Imager V1.8.\* and install in order to install to 16GB uSD card  
Run Raspberry Pi Imager - Raspberry Pi Full OS - 32 Bit Image /Debian Bookworm/ Desktop +  
Recommended While selecting and configuring, run and edit options for WiFi access, and  
Account settings, and enable SSH. Write the image with your edited options on uSD - This takes  
a while (10mins)

Put the uSD card into your Raspberry Pi

Power up the RPI. First boot takes awhile before you will see it appear on your router with an IP  
address generally of 192.168.X.XXX.

Log into Raspberry Pi via SSH (Putty) app on PC to that IP address, and using the account and  
password set in above to get logged in to the Raspberry Pi with its fresh new O.S. installed.

While it is fresh and new, it will likely still require updates to be made current, so enter these  
commands at command line. This is Unix so “case” of letters matters, and this will take minutes  
of time to update

```
cd  
sudo apt update ; sudo apt upgrade -y  
sudo reboot now
```

After reboot log back in with Putty/SSH on your PC and next install the HamClock software:

```
cd  
curl -O https://www.clearskyinstitute.com/ham/HamClock/install-hc-rpi  
chmod u+x install-hc-rpi  
./install-hc-rpi
```

Answer 'y' to proceed with install ; This will take a long while also.. Nothing on Raspberry  
goes fast ;)

Next you'll answer

build for web access only (no hardware display) [y/n] y            my answer in order to run from  
browser

Next Select desire HamClock size (1600-960)

Hamclock will now compile an image at this resolution. Take a break....it will be a while.

Next answer start HamClock automatically each time Pi is booted? [y/n] y

Installation will now be complete, and you must reboot again

**sudo reboot now**

After reboot your Raspberry Pi will have started up the HamClock on the RPI computer. Since this is a headless install, you will need to view and setup HamClock from a web browser on your PC. Go to this URL on your browser: <http://192.168.1.170:8081/live.html>

Note the 192.168.X.XXX:8081/live.html address must match the local address that your RPI is connected via WiFi and which you used to connect with Putty from your PC.

The Ham Clock will run its setup the very first time, and you will have to configure it to your likings of Callsign, GridSquare, DXCluster site, etc. etc. Lots of YouTube videos cover the details of making it look, like you desire it to look.

If you want to stop it or reboot it, click on the lock symbol next to the date in upper left corner. You will be presented with options you can say OK to.