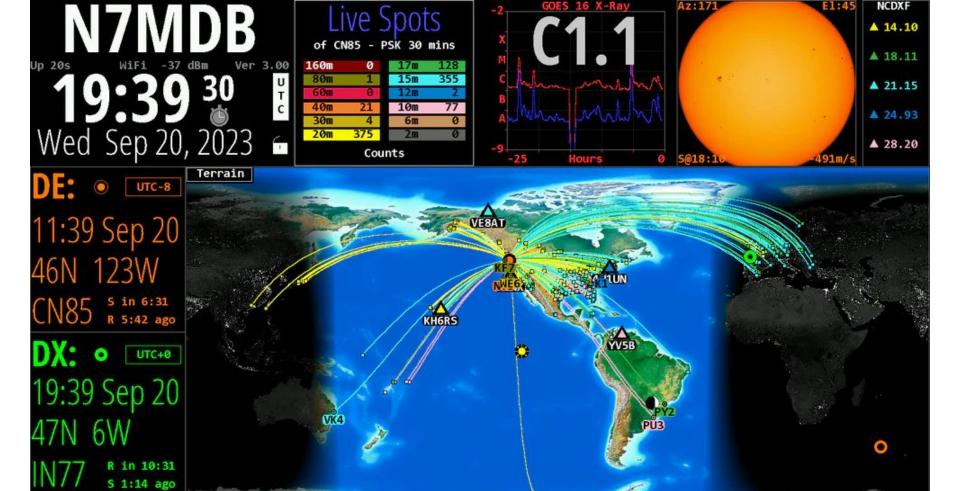
Welcome

...To my neighborhood

<u>Tunes</u>

HamClock

Developed by software engineer Elwood Downey, WB00EW



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HamClock

It's a free software that runs on Raspberry PI, or other Unix like operating systems.

Download info can be found at: https: www.clearskyinstitute.com/ham/HamClock/

A company called inovato has taken the HamClock a step further & created Quadra.

Quadra is a complete system that's marketed as an alternative to the Raspberry Pi. It's a single board computer that doesn't require a case, heatsink, power cable, or Micro SD card to work.

inovato Quadra

All hardware comes in a bundle and can be purchased on Inovato website: https://inovato.com/

The bundle comes with: Quadra Ham PC, USB power adapter & cable, HDMI cable, stand, fan, USB hub, and additional software. Cost is \$49.

For additional \$10 you get a mini keyboard that makes it easier to navigate the screens.

Websites

There are a lot of great youtube videos on HamClock. The following gives a good break down of the different kinds of info HamClock can provide you.

https://youtu.be/Rg59jY74fm8?si=OOQG2BiVDYYMypdS

Ok let's get started. We'll take a look at the different areas on the HamClock and its various screens.

HamClock Notes:

Here's what the main screen looks like.

Panel 1 DE: This info pertains to your QTH, and is entered during the initial setup.

Panel 2 DX: Provides info about the callsign your interested in contacting. Time, lat/long, sunrise/sunset, grid sq,& distant to that location. It also can provide (left corner) satellite tracking info.

Panels 3,4,&5: are the larger panels on the top of the screen,& can provide a variety of info.

HamClock Notes Continued

ADIF: option can be setup during the initial start-up, and it shows the last 1000 QSO's that you've logged.

BZ/BT: shows magnetic field near earth.

Contest: shows current or upcoming.

DE & DX: show the weather conditions at the locations you've chosen.

DRAP: shows solar energy on the absorption rate, or D-layer, important info if your dxing.

HamClock Notes Continues

Livespot: spots received from wspr/psk, or reverse beacon. This info helps to better understand propagation from your location.

Pota & Sota: latest spots for those hunting activated parks, or on mountaintops.

SDO: current images of solar info.

Solar wind: 24 hrs history of solar wind activity.

NOAA space wx: info on radio black-outs, solar radiation storms, & geomagnetic storms.

HamClock Notes Continue

VOACAP: propagation predictions in the HF bands. And show the signal reliability in each band.

Planetary K, Solar Flux, & X-Ray: are additional tools to help in predicting good hf propagation.

Panel 6: shows **NCDXF**: this is beacon and can be use to show band performance. **Space weather**: additional info that affects band conditions. And finally **DE & DX**: shows the weather conditions for those areas. areas.

HamClock Notes Continue

Main map display: Can be formatted in a number of different styles.