



## Backend Server switch instructions.

*Covers all Inovato Quadras and N0LSR Design HK1RBOX*

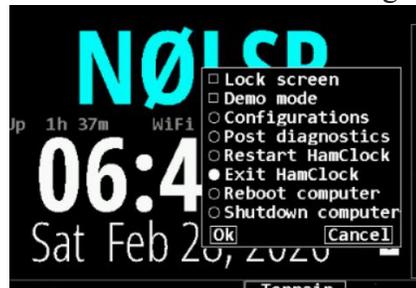
If you own an Inovato Quadra (any model) or a N0LSR Design HK1RBOX you are in luck. The software image on these devices includes a Quadra Ham Apps Installer. This proprietary installer is accessing a database on Inovato's server downloading a list of available programs. Michael from Inovato added three scripting files to that list. These scripting files give you an easy way to switch between the two currently available backends or back to the original backend server if you want to do that.

The steps are very easy and even if you don't know anything about Linux you can do it. There are some prerequisites:

- Your device is on HamClock version 4.22
- You need to connect (temporarily) a monitor, keyboard and a mouse.

Then do the following:

- 1.) Exit HamClock if it is running through the "Lock" function.



- 2.) Start the Quadra Ham Apps Installer under Applications – Hamradio -Quadra Apps Installer.



### HamClock Version V4.22

### Including the Quadra Ham Apps Installer.

The Ham App Installer is included in all Inovato and N0LSR images.

It will not be included in devices bought from other sources..



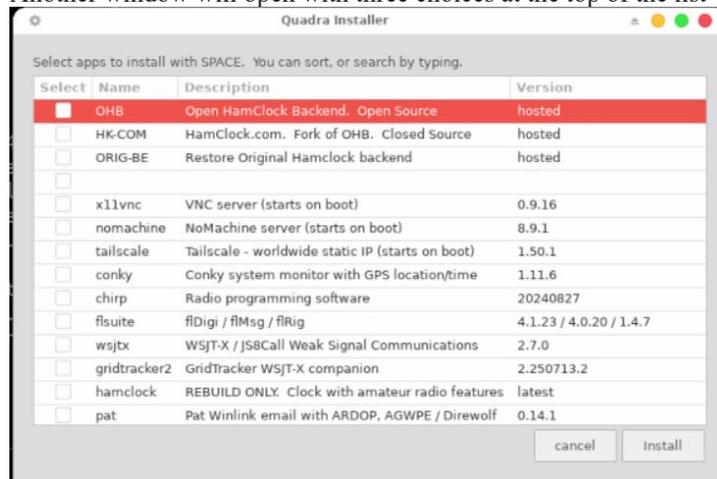
## Page2

- 3.) A window will open and asks you to enter the Quadra password which is `ln0v@t0` (these are zeros after the n and t) followed by an `<ENTER>`.

```
usr/local/bin/ham_installer
/usr/local/bin/ham_installer
--2026-02-27 22:55:06-- https://inovato.net/ham/install
Resolving inovato.net (inovato.net)... 104.21.13.7, 172.67.132.116, 2606:4700:3031::6815:d07, ...
Connecting to inovato.net (inovato.net)|104.21.13.7|:443... connected.
HTTP request sent, awaiting response... 304 Not Modified
File 'install' not modified on server. Omitting download.

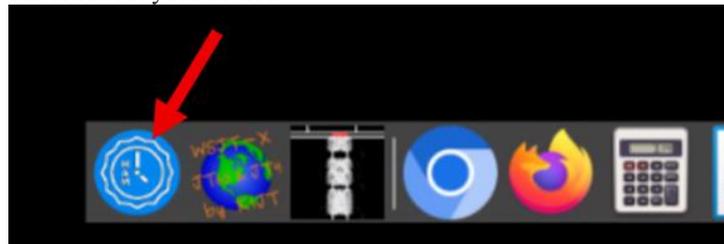
[sudo] password for quadra:
```

- 4.) Another window will open with three choices at the top of the list



OHB is for Open HamClock Backend, HK.COM is for hamclock.com and the third one (ORIG-BE) is to undo changes to your hosts file and switch back to the original Clear Sky Institute server. At the same time, it also clears the cache to be ready for new data. Select one option and click on "Install". That's it.

- 5.) The installer will run and will display the success message at the end and then close after a couple seconds.
- 6.) After the installer is done, start HamClock back up by clicking on the HamClock icon on the task bar or reboot your device.



HamClock Version  
V4.22

Including the Quadra  
Ham Apps Installer.

The Ham App Installer is  
included in all Inovato and  
NOLSR images.