



Backend Server Switch Instructions for Inovato Quadra and N0LSR HK1RBOX

Starting with HamClock V4.24 changing of the backend server is very easy. V4.24 and later of HamClock will remember when it got started from OHB (Open Hamclock Backend) and adjust internally to OHB being its new “home” server. You just have to start HamClock with the following command:

hamclock -b ohb.hamclock.app:80

The “-b” option will force HamClock to a different backend server and update from there. V4.24 and later HamClock goes a step further and reconfigures itself to the new backend permanently. Currently only OHB will provide you with innovative updates to HamClock.

If you have a Quadra4k or HK1RBOX and use a 4k monitor, be advised that these devices have two executables loaded, one for standard resolution and a second one for 4k monitors. It is important that you update the 4k code as well by using this command to start HamClock to update:

hamclock-4k -b ohb.hamclock.app:80

After the upgrade make sure to reboot.

To be safe, use both commands in case you fall back to a standard resolution mode with your monitor.

After you did an upgrade with the “-b” option your devices are set for any future upgrades from OHB.

Step by Step Instructions.

This process works for any version of the Quadra and HK1RBOX. It also works with any other standard HamClock installation on Linux and was tested on Raspberry Pi 3 and 4.

It is also recommended that you remove any reference to clearskyinstitute from your hosts file should you have edited before.

You need to connect your device to a monitor, and you need a keyboard and mouse temporarily connected to your device.

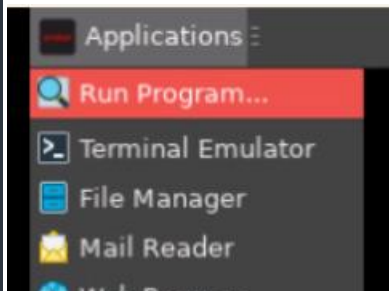
Stop your HamClock application by using “Exit HamClock” from the “Lock” menu.

Click “OK” and a second “OK”

Note: If HamClock is not running and locked up, unfortunately you will have to do a factory reset with a Factory Reset SD card. You can use any version of card if it is V4.16 or later. Go to the end of this document for instructions on how to update your factory restore card.

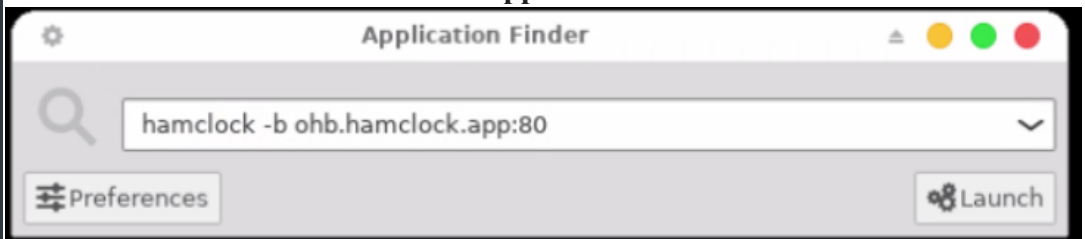


Start the application launcher by going to the upper left corner and you find it under “Applications”:



Click on it and enter the following command into the entry box:

hamclock -b ohb.hamclock.app:80

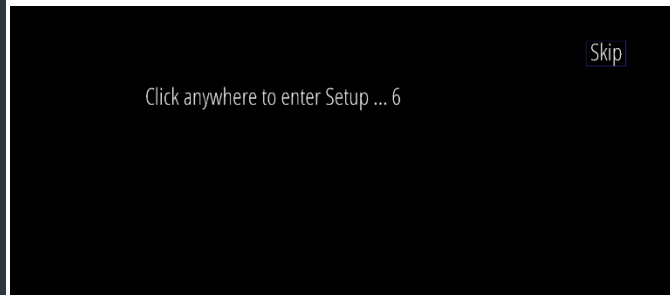


Then click on “Launch”

For Quadra4k and HK1RBOX on a 4k monitor repeat it with the following command:

hamclock-4 -b ohb.hamclock.app:80 (for Quadra4k and HK1ROX)

HamClock will start in the familiar way.

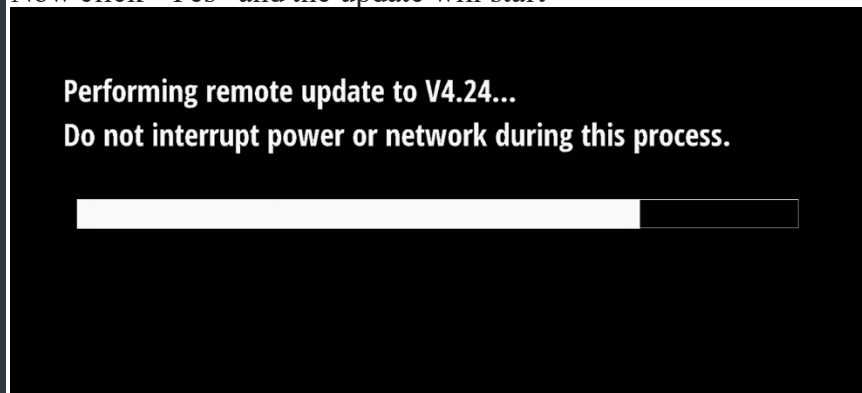


Let it go through with everything until you get to this screen:



A similar display will be shown for 4.25. You can direct update from 4.21 to 4.25. The updates are inclusive and you do not need to install the releases in between.

Now click “Yes” and the update will start



HamClock will now start and is updated to version 4.24. or 4.25

You will see the new version number and the new backend server in the upper left corner:



You are now set for future updates. If the version number turns red a new version is available. Just click on it and accept the update.

For Quadra4k or HK1RBOX on a 4k monitor repeat it with the following command:
hamclock-4 -b ohb.hamclock.app:80 (for Quadra4k and HK1ROX)

It is recommended to reboot now to start HamClock in the usual way.

Updating your factory restore card

After you went successfully through the above update procedure it is time to update your factory restore card. Normally you only should have the card inserted in your device if none of your external devices are connected. **This only time is an exception.**

- Shut down your device



- **Insert your SD card but leave your monitor, keyboard and mouse connected.**
- **Also, connect your device to your router with an Ethernet cable to have an internet connection. Or connect to your WiFi before you execute the “run” command.**
- Go through the above update procedure with your card in.
- After HamClock running from the SD card is on V4.25 shut down your device
- **Remove the SD card and store it in a safe location**
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Here too if you have a Quadra4k or HK1RBOX on a 4k monitor repeat it with the following command:

hamclock-4 -b ohb.hamclock.app:80 (for Quadra4k and HK1ROX)

If you have any questions, please contact me (udo@n0lsr.com)

73,

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