

Booting an HMS-4X with a USB Drive

- 1) Copy the [npl.ccb](#) file provided to you to the root directory of a USB drive (File System FAT32)*
- 2) The USB drive needs to be connected to the Micro USB port (same size as on Android phones) on the HMS-4X. Use a Micro-AB USB adapter with full size USB drives.



Micro USB to USB (Search for [USB to micro USB adapter](#) to find one of these)

- 3) Push in and hold the 'Main' and 'PGM' encoder knobs then press and release the 'HSet' button while continuing to hold the 'Main' and 'PGM' encoder knobs.
- 4) The Left most display will show blinking Call and Talk buttons with 'Net Boot' above the Call button and 'USB Boot' above the Talk button.
- 5) Press the Talk button for 'USB Boot'.
- 6) Reading USB stick please wait... message appears on the screen
- 7) If an error message appears after this message, the USB drive is not compatible*.
- 8) Otherwise booting continues with the display showing:
 BOOT FROM STICK
 Please wait...
 Load npl.ccb
 Load OK
 Stage 2
 (HMS-4X will continue booting)

For an online video for how to push the code, <Ctrl> click <https://photos.app.goo.gl/1qBqNEbuUCRb9A572>

Once the booting process is complete, reload the HMS-4X's firmware using either:

- The PC browser CCM (Device Tab: General > Upgrade > Select file..)
- Or a USB drive plugged in to the HMS-4X with the firmware copied to the root directory (Menu > Administration > Software > Update > click the knob on the right)
- After you are done, make sure you also push the .gz archive file into the base for the new HX IIs-BP's code-upgrade.

** not all USB drives are compatible with the USB boot process. Smaller drives with a capacity of 8 gig or less are recommended.*

Examples:

San Disk 8G Cruzer Blade Memory Sticks

Verbatim 8G USB 2.0 "Store & Go" Memory Sticks

An example of a known good drive (Verbatim) is: https://www.amazon.com/Verbatim-Store-Flash-Drive-Green/dp/B000NDRTZI/ref=sr_1_7?ie=UTF8&qid=1521227627&sr=8-7&keywords=verbatim%2Busb%2Bflash%2Bdrive&th=1