KDU-1A software update instructions (USB)

Verify compatibility

Before proceeding, verify that the KDU-1A has a software version that supports USB update.
The only way to verify this is to turn off the KDU-1A controller, and turn it back on.
Before the "K-DUCER" logo with the colored dots appears, a black screen with a white "loading" text should briefly appear.
If this screen does not appear, do not proceed, the KDU-1A does not support USB updates and must be updated by Kolver or via the programmer kit (after the manual update, it will become compatible with USB updates).
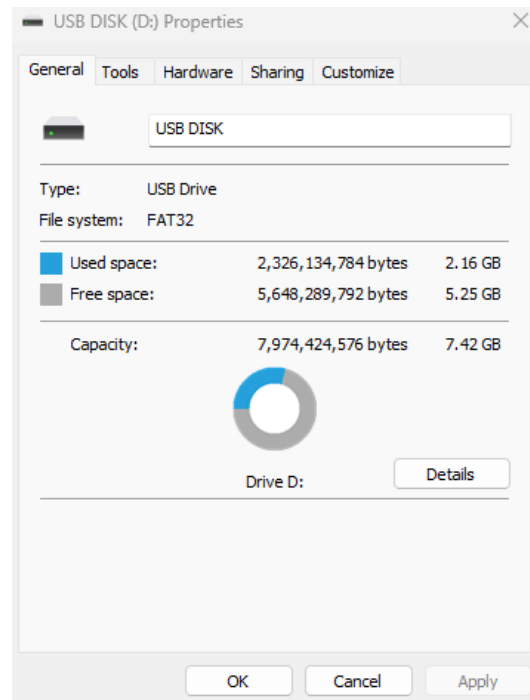The bootloader "loading" screen that verifies compatibility with USB updates is this:

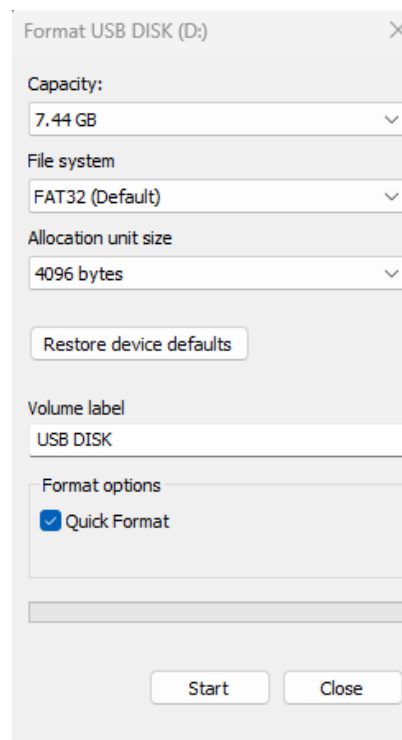## Verify file system format of USB thumb drive

The kolver-branded USB drives that come with K-DUCER controllers are already properly formatted. Other drives can be used if they are formatted FAT-32.

To check if a USB drive is FAT32, right click on it and click "properties":

If the file system is not FAT32, you must format the USB drive. Right click on it and click "format"

Note: formatting will delete all files and contents from the USB drive!

Perform update

Copy the three _KDU1A_ files included here to the FAT32 formatted USB drive.
Do not rename the files.
The files must appear directly in the USB drive, outside of any folder.

Plug the USB drive into the KDU-1A controller. Turn on the KDU-1A controller and navigate to the USB menu.
Press "UPDATE FIRMWARE". Follow the instructions and wait. The update should only take a few minutes.

Download updated manuals and software

A new KDU-1A firmware may be accompanied by updates to the K-Graph, K-Expand, and/or K-Link software.
If you use any of this software, make sure to download the latest version from
www.kolver.com (K-Ducer product page, download links on the right hand side).
Please also download the updated K-Ducer manual for instructions on how to use any new functionality introduced with the software update.