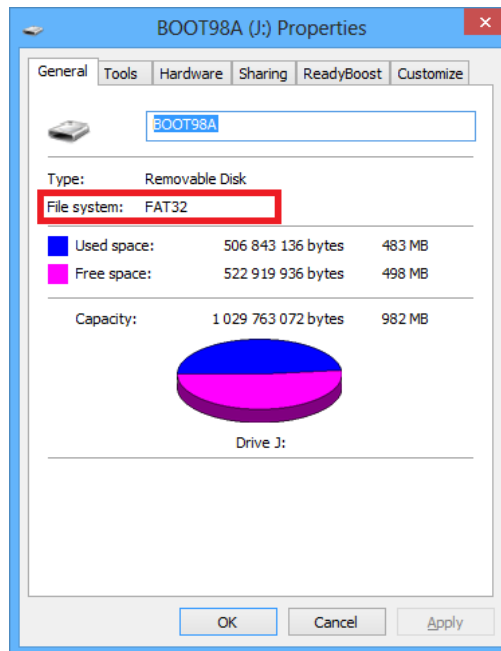


LEC3/SPI Matrix Firmware Update

This document will help you in a process of upgrading LSS SPI firmware. It's pretty easy process, which can be done almost by anyone. Please follow following steps:

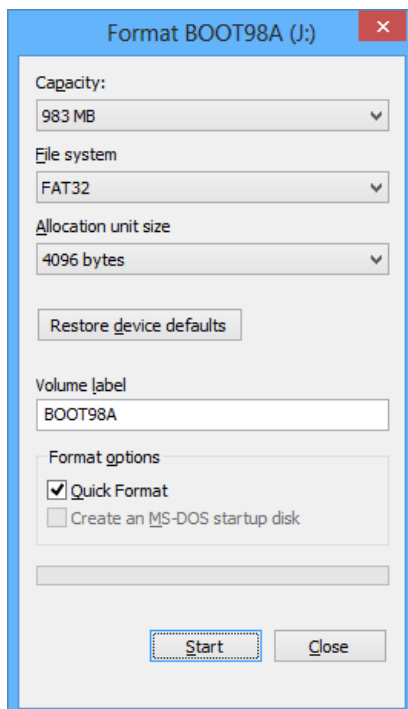
1. Prepare SD card

It is required to use FAT32 formatted micro SD-card when updating LSS SPI device. To find out whether your SD-card is using FAT32 please click on your SD-card drive in Windows and choose properties. You should see following dialog:



FAT32 formatted SD-card

In case you are using FAT16 micro SD-card, please format it to FAT32! It's easy process:



1. Insert your card.
2. Right click on your card's drive in Windows and choose Format.
3. Choose FAT32 in the **File system** combo box.
4. Press **Start** to format the device.

2. Updating firmware

- 2.1. Copy "bootldr.cfg" to SD-Card. Check hardware version of your controller. You can do that by going to Web configuration tool (Web Browser→address bar - default IP of your controller / 192.168.1.147) or check this [tutorial](#). Depending on the Hardware version, copy/paste lec32.bin (v3.2) or lss3.bin (v3.0 & v3.1)
- 2.2. Insert the card to LEC3/SPI Matrix device.
- 2.3. Turn off your LEC3/SPI Matrix device.
- 2.4. Turn on the LEC3/SPI Matrix device.
- 2.5. Updating will take about 30 seconds and yellow LED must blink when uploading.
- 2.6. You can check the version has been burned by checking on device setting web page.