LCD firmware upgrade procedure

The Community version for CR-6 SE touch screen firmware was designed and distributed to run on the DGUS2 v3.5 operating system. Creality has now begun delivering the CR-6 SE printers running a more recent version of DGUS2 (v4.5, at the time of this release). DGUS2 v4.5+ requires a different calibration of the display screen to run than did v3.5.

Following the CF6.1 installation instructions to flash v3.5 with CF6.1 to these newer printers will cause the v4.5 screen calibration to be invalid. That results in the touchscreen becoming non-responsive to CF6.1. Reverting to Creality stock also then fails, until the DGUS2 v4.5 kernel is restored to the display.

Step 1. Check original kernel version of CR-6 SE's stock LCD

1. Format your microSD card to FAT32 with a 4096 bytes allocation unit size
2. Create an Empty "DWIN_SET" folder at the root directory of an empty micro-SD card
3. Ensure that CR-6 SE is power OFF
4. Remove the back case of the touch LCD and insert the prepared micro-SD card into

the SD slot of the PCB

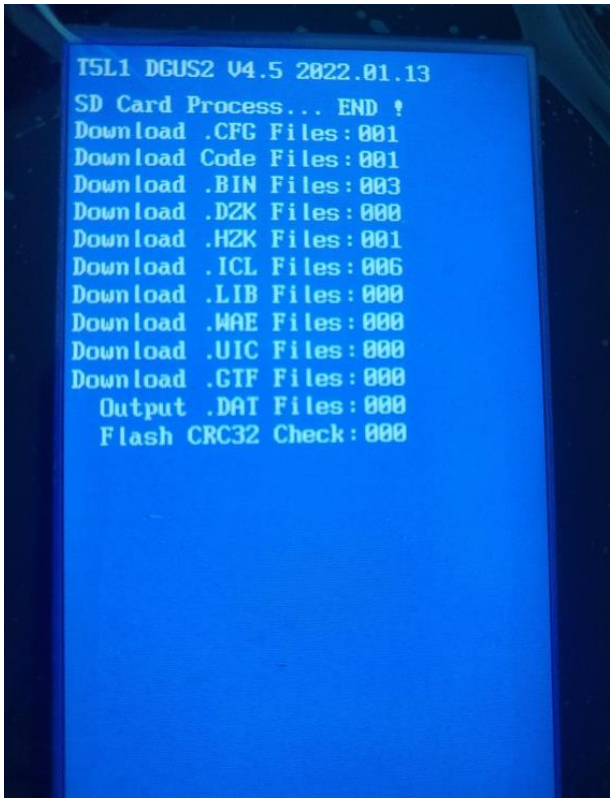
5. Power ON the CR-6 SE
6. The top line of LCD will report which version of DGUS2 is currently flashed

7. Make note of which DGUS version is currently flashed to CR-6 SE's LCD hardware

If you are currently running Creality stock firmware on CR-6 SE, and touch LCD is currently running DGUS2 v4.5+ or v2.0 ~ v4.0

Step 2

1. Copy the DWIN_SET folder and contents from this release to the micro-SD card you use to flash the touch screen
2. Remove the back case of the touch LCD and insert the prepared micro-SD card into the SD slot of the PCB
3. Power ON the CR-6 SE
4. Wait for touch screen flashing to complete (takes about 1 minute)



5. Power off the CR-6 SE, remove the micro-SD card and reassemble to the CR-6 SE

If you already flashed the CR6Community's CF6.1-Final touch screen firmware to your touch screen, your screen is now running DGUS2 v3.5. However, if the touch input on the screen does not work

Step 2

1. Prepare a new blank micro-SD card
2. Copy the DWIN_SET folder distributed to that SD card
3. Copy T5L_UI_DGUS2_V45_20220105.BIN from the "DGUS2 kernel upgrade files" folder to the DWIN_SET folder
4. Re-flash your screen with the updated micro-SD card
5. Verify that the top line on the blue flash screen is now overwritten in red confirming that DGUS2 v4.5 is flashed
6. Power off the CR-6 SE
7. Remove the micro-SD card from the screen and power it back ON
8. The CR-6 SE's UI should now work correctly