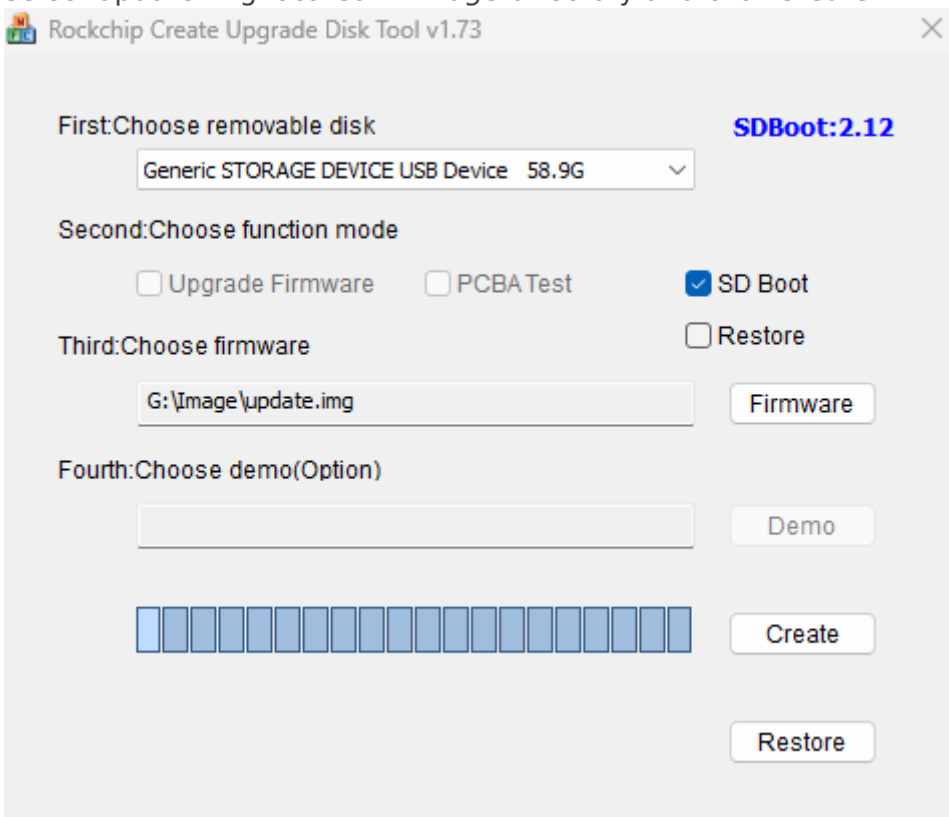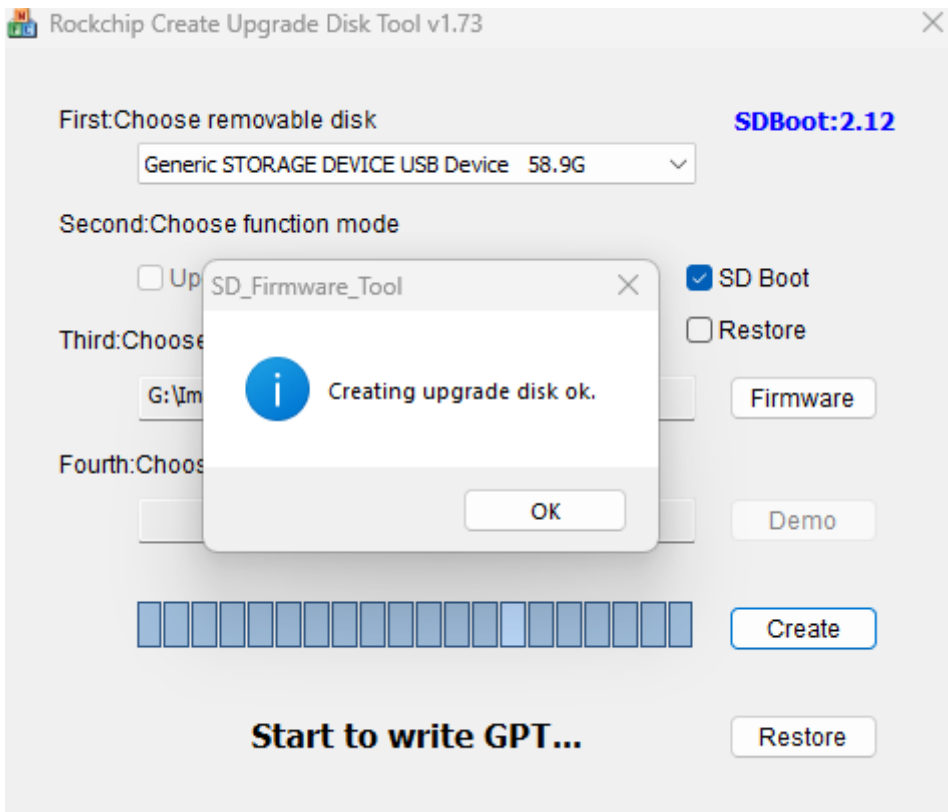# Booting from SD card

1. Download OS image

Go to urveboard.com and download *OS Image (Debian 11)*. Extract content of the archive. Open SD_Firmware_Tool.exe from SDDiskTool_v1.73 directory.

2. Create bootable SD card

After opening the app select device and select *SD Boot* checkbox. If you keep default value *Upgrade Firmware*, this SD card will be in upgrade mode (it will upgrade existing system). Then select update.img located in *Image* directory and click *Create*.

If any error occurs for example *Writing Loader failed!*, you should ignore that error and click *Create* again. After few minutes you should see *Creating upgrade disk ok.*

3. Clear internal memory

Enter terminal of the device. Either via SSH connection or with debug UART (Connecting to URVEPi Debug UART). Use command below to clear partition table of internal memory.

```
dd if=/dev/zero of=/dev/mmcblk0 bs=512 count=1 && sync
```

WARNING this command is irreversible and will delete internal memory data.

4. Verify

You can check if it works by using command `lsblk`. You should see root partition (/) mounted from *mmcblk1p6*.

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