

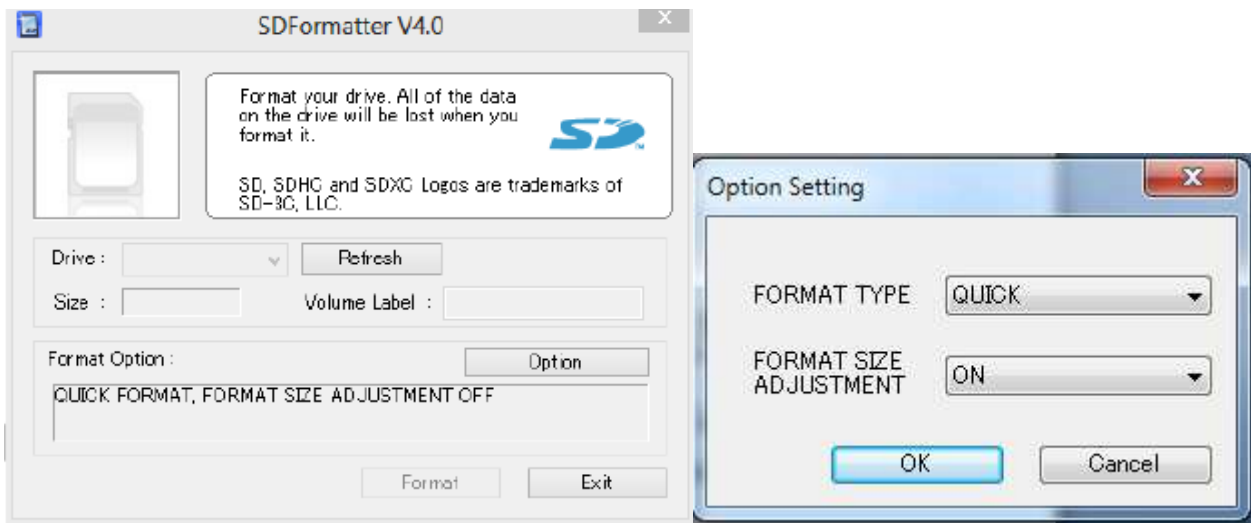
OS image(.img) writing in to Micro SD card

On Windows PC:



- You can download latest OS image (sparky_sd_os_version_img.7z) from Sparky website, extract it using 7-Zip extractor.
- Format Memory card (uSD) using SD Formatter Tool 4.0, refer Memory card formatting steps.
- Using Win32Disk Imager tool write OS disk image to eMMC – refer Disk Image write steps.

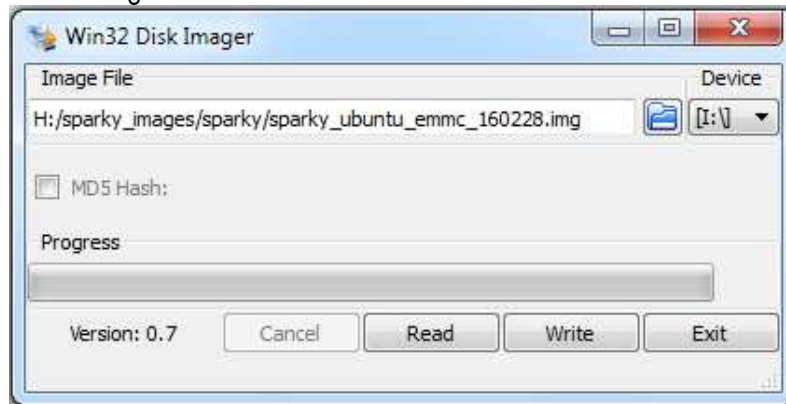
Memory Card formatting Steps

Step 1: Insert Micro SD card into computer or use with USB memory card reader. Format the Micro SD card using SD Card Formatter 4.0 Version as shown below or using HP USB Disk storage formatting tool. Start the tool as Administrator (Select appropriate Drive **carefully** before formatting) .In the "Options" menu, set "FORMAT TYPE" option to QUICK, set "FORMAT SIZE ADJUSTMENT" option to "ON". And then click "OK" to finish options setting and click "Format" to format SD card. After formatting completion you will get indication showing that formatting successfully completed



Disk Image write steps

Start the Win32Diskimager application tool as Administrator. Select () proper memory Card drive under Device menu. Browse () **sparky_sd_os_version.img** file and click "write" button to write the OS image into the Memory card. Wait patiently to successfully complete the writing.



OS Disk mage(.img) writing into Micro SD card on Linux PC :

- Insert your MicroSD card into your computer SD card slot or use with USB Memory card reader. The size of the MicroSD card should be larger than the OS image size, generally 8GB or greater preferentially.

- Formatting micro SD card with terminal commands.

```
root@user:~# fdisk -l
root@user:~# umount /dev/sdx
root@user:~# mke2fs /dev/sdx
```

Note : x indicates the a,b,c,d....etc.

- extract 7-Zip file using below command

```
root@user:~# 7z e sparky_sd_os_version_img.7z
(file name which downloaded from SBC resource)
now we get sparky_sd_os_version.img file
```

- writing sparky_os_sd_version.img file into micro SD card

```
root@user:~# dd if=sparky_sd_os_version.img of=/dev/sdx
Note: in dd command if=(source path of .img file) and
of=(destination path)
```

Note : x indicates the a,b,c,d....etc.

Tips: If the memory card (uSD/eMMC) size more than 8GB , use parted tool (ver. 3.2) to resize the partition to use the remaining unused size.