

GO2 Expansion Dock Reflash Guide

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Required Tools and Equipment:

1. M.2 NVMe SSD Reader
2. Laptop/Computer
3. Ubuntu OS
4. Allen Key (2mm)
5. Phillips Screwdriver (Size 2.0)

Reference Link for the M.2 NVMe SSD Reader: [M.2 NVMe SSD Reader](#)

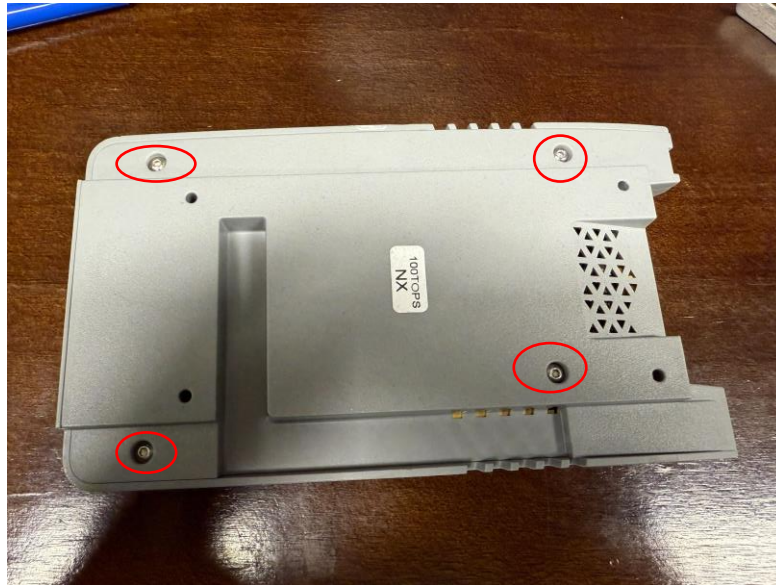
Disclaimer:

This guide is intended for informational purposes only. We do not assume responsibility for any data loss or damage that may occur while following these instructions. It is strongly advised to create a complete backup of your data before proceeding.

For backup instructions, please refer to the following guide: [System Backup GUIDE](#)

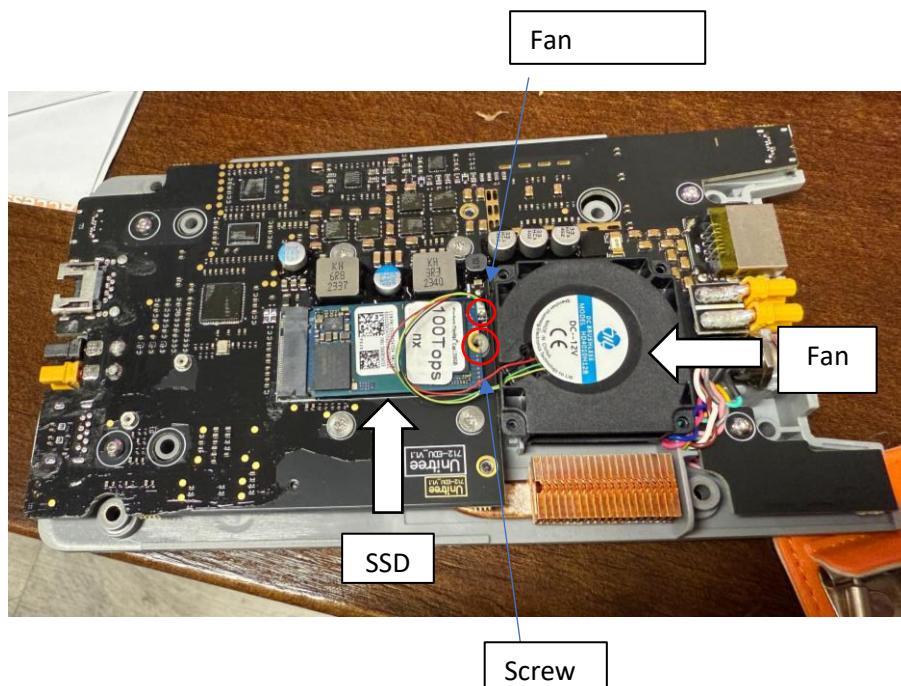
Removing the SSD

- 1. Detach the Expansion Dock:**
 - a. Carefully disconnect the expansion dock from the main device.
- 2. Remove All Screws:**
 - a. Remove the four screws securing the case.
 - b. **Important:** The screws are of two different sizes; two screws are of the same size, while the other two differ.



3. Open the Case:

- a. Once the screws have been removed, carefully open the case.
- b. Remove the fan before proceeding to remove the SSD.
- c. Disconnect the fan from the small connector and remove its securing screw.



Connect the SSD to a Card Reader

1. Insert the SSD into an appropriate SSD card reader.
2. Connect the reader to a computer using a USB interface.



3. After inserting, check the system to confirm the reader name, type in the following command,

```
owen@owen-desktop:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0        7:0    0     4K  1 loop /snap/bare/5
loop1        7:1    0  175.9M  1 loop /snap/chromium/3010
loop2        7:2    0   55.4M  1 loop /snap/core18/2846
loop3        7:3    0   63.4M  1 loop /snap/core20/1974
loop4        7:4    0   63.7M  1 loop /snap/core20/2434
loop5        7:5    0   73.9M  1 loop /snap/core22/1722
loop6        7:6    0   73.9M  1 loop /snap/core22/858
loop7        7:7    0   67.8M  1 loop /snap/cups/1067
loop8        7:8    0  274.8M  1 loop /snap/firefox/5561
loop9        7:9    0  275.3M  1 loop /snap/firefox/5647
loop10       7:10   0  164.8M  1 loop /snap/gnome-3-28-1804/198
loop11       7:11   0  218.4M  1 loop /snap/gnome-3-34-1804/93
loop12       7:12   0  349.7M  1 loop /snap/gnome-3-38-2004/143
loop13       7:13   0  485.5M  1 loop /snap/gnome-42-2204/120
loop14       7:14   0  505.1M  1 loop /snap/gnome-42-2204/176
loop15       7:15   0   91.7M  1 loop /snap/gtk-common-themes/1535
loop16       7:16   0   83.5M  1 loop /snap/outlook-for-linux/18
loop17       7:17   0  121.8M  1 loop /snap/slack/178
loop18       7:18   0  12.2M  1 loop /snap/snap-store/1216
loop19       7:19   0  12.3M  1 loop /snap/snap-store/959
loop20       7:20   0   44.3M  1 loop /snap/snapd/23258
loop21       7:21   0   44.4M  1 loop /snap/snapd/23545
loop22       7:22   0   568K  1 loop /snap/snapd-desktop-integration/253
loop23       7:23   0   452K  1 loop /snap/snapd-desktop-integration/83
sda          8:0    0   953.9G  0 disk
nvme0n1     259:0   0   953.9G  0 disk
├─nvme0n1p1 259:1   0    100M  0 part /boot/efi
├─nvme0n1p2 259:2   0     16M  0 part
├─nvme0n1p3 259:3   0    533G  0 part
├─nvme0n1p4 259:4   0    420G  0 part /var/snap/firefox/common/host-hunspell
└─nvme0n1p5 259:5   0     765M  0 part /
owen@owen-desktop:~$
```

Downloading System Image

1. Download the required system image file from the provided link:
 - **File Name:** [nx.img.bz2](#)

System Restoration

1. Verify if the disk is formatted to ext4 using the following command:

```
owen@owen-desktop:~$ df T
df: T: No such file or directory
owen@owen-desktop:~$ df -T
Filesystem      Type      1K-blocks      Used Available Use% Mounted on
tmpfs            tmpfs       3279392        2372   3277020    1% /run
/dev/nvme0n1p4   ext4    432362448    24162064 386164160    6% /
tmpfs            tmpfs       16396956     143816 16253140    1% /dev/shm
tmpfs            tmpfs         5120          4     5116    1% /run/lock
efivarfs         efivarfs      128         124          0 100% /sys/firmware/efi/efivars
/dev/nvme0n1p1   vfat        98304        33230     65074   34% /boot/efi
tmpfs            tmpfs       3279388         144   3279244    1% /run/user/1000
/dev/sda1        ext4    245023408    24737024 209712668   11% /media/owen/7073f027-1f76-471e-8386-b7ac9f58e0e6
owen@owen-desktop:~$
```

If the disk is not formatted to ext4, format it using the following command:

```
owen@owen-desktop:~$ mkfs -t ext4 /dev/sda
```

(Replace /dev/sdX with the appropriate disk identifier.)

Extract and Write Image to SSD

1. Once the download is complete, execute the following command to write the image to the SSD:

```
owen@owen-desktop:~$ cd Downloads/  
owen@owen-desktop:~/Downloads$ bzip2 -dc nx.img.bz2 | sudo dd of=/dev/sda
```

2. To check the download status, use the following command:

```
owen@owen-desktop:~$ cd Downloads/  
owen@owen-desktop:~/Downloads$ bzip2 -dc nx.img.bz2 | sudo dd of=/dev/sda status=progress  
3149246976 bytes (3.1 GB, 2.9 GiB) copied, 536 s, 5.9 MB/s
```

3. Once the process is completed, safely eject the disk before removing it.

Reassembling the Expansion Dock

1. Place the SSD back into the expansion dock.
2. Reinstall the fan securely.
3. Close the case and fasten all four screws.
4. Reattach the expansion dock to the device.