

Restore X7

Needed HW:

- USB type-C 2.0 -> the easiest the better
- Screen keyboard and usbhub if the core X7 is not able to boot automatically the usb

Step 1: create a GPT formatted usb key

```
> (C:) Windows
> (D:) USB Drive
> (U:) RIM5CERS (\\fe00fs02.de.bosch.com)
```

- We focus on D: that is a USB key
- We launch diskpart with admin rights and we execute the converting of a disk in GPT

<https://learn.microsoft.com/en-us/windows-server/storage/disk-management/change-an-mbr-disk-into-a-gpt-disk>

```
Command Prompt - diskpart
Microsoft Windows [Version 10.0.19045.3208]
(c) Microsoft Corporation. All rights reserved.
U:\>diskpart

C:\Windows\system32\diskpart.exe

Microsoft DiskPart version 10.0.19041.964
Copyright (C) Microsoft Corporation.
On computer: L06-C-0011L

DISKPART> list disk

Disk ###  Status      Size  Free  Dyn  Gpt
-----  -
Disk 0    Online     953 GB   0 B
Disk 1    Online     29 GB   0 B

DISKPART> select disk 1

Disk 1 is now the selected disk.

DISKPART> clean

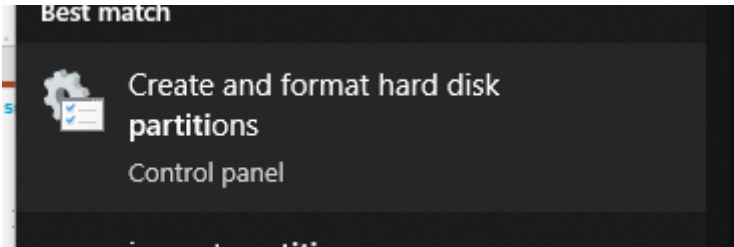
DiskPart succeeded in cleaning the disk.

DISKPART> convert gpt

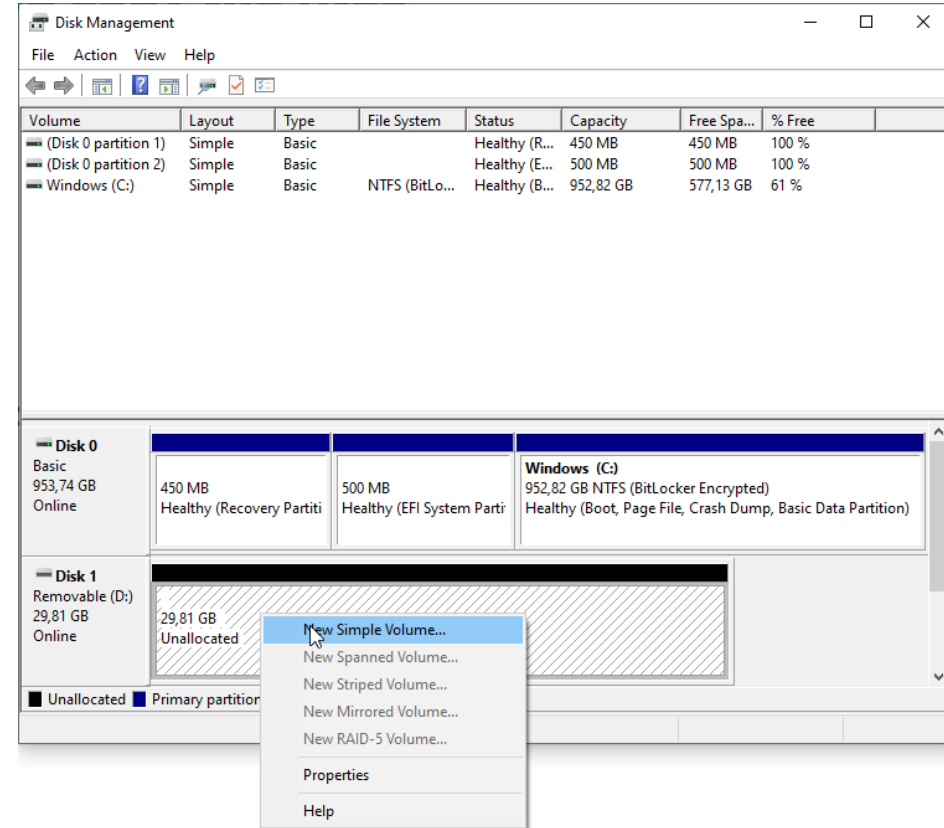
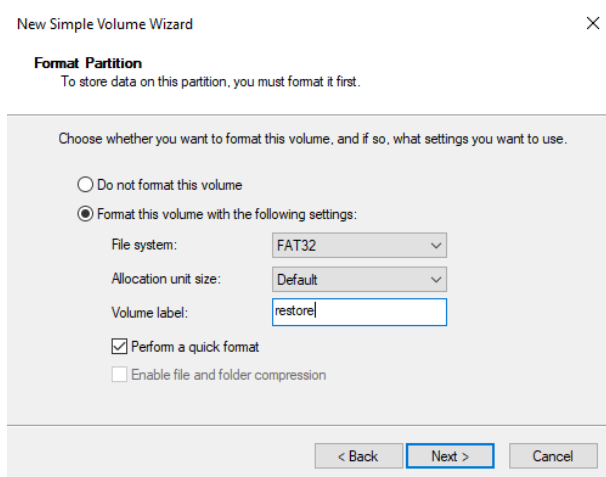
DiskPart successfully converted the selected disk to GPT format.

DISKPART>
```

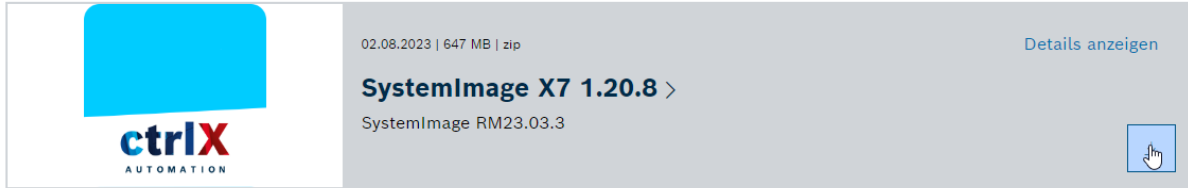
Step 2: create the partition and copy the files



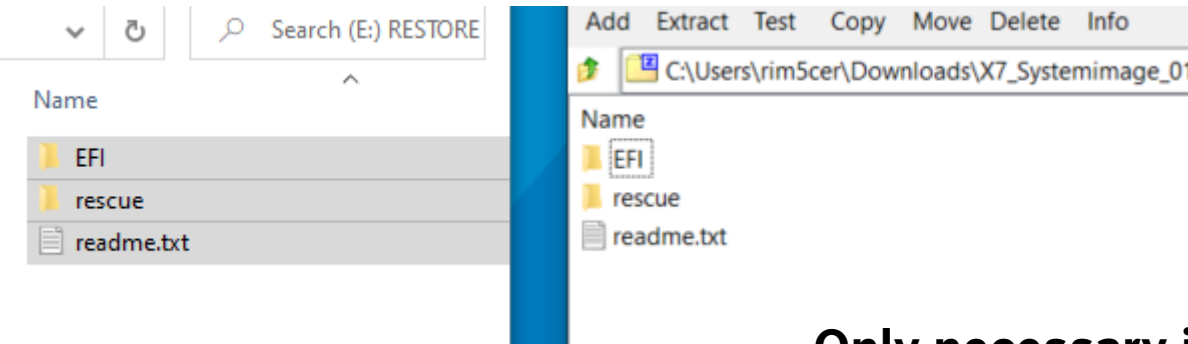
- Use windows partition manager
- Create new volume
- Use fat32 as filesystem



Step 3: copy the files and restore



- Download the file from collaboration room
- Copy in the usb key
- Insert the usb key in the port XF10c
- Power up the device



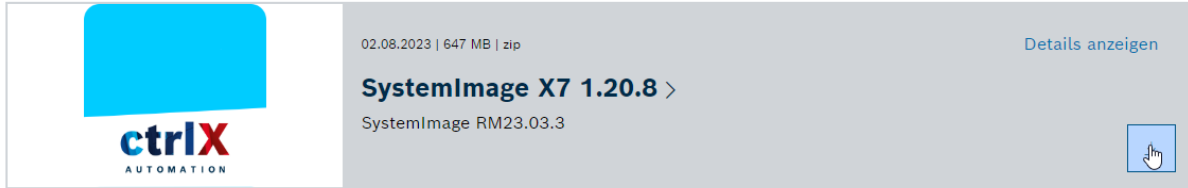
Only necessary if BIOS Release CTL6R12 or earlier is installed on the ctrlX CORE X7

Because of a known bug in the BIOS (see known issues above) only **USB 2.0 sticks** work but they are **not detected automatically** as a boot device.

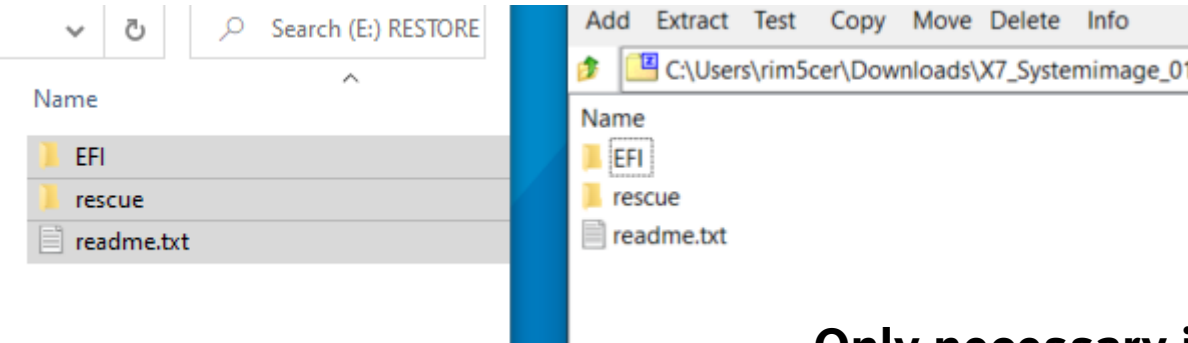
As a workaround:

- press F7 (BIOS Boot Menu) during the boot → BIOS password dialog will open
 - it is **not** necessary to enter the BIOS password !!!
- press CTRL + ALT + delete to reboot the ctrlX CORE X7
- now the image update progress should start automatically from the USB stick

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- A HUB usb should be used-> otherwise the usb stick is not mounted as sdb1