Restore X7

Needed HW:

- USB type-C 2.0 -> the easyest 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:) RIM5CER\$ (\\fe00fs02.de.bosch.com)

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

https://learn.microsoft.com/en-us/windowsserver/storage/disk-management/change-an-mbrdisk-into-a-gpt-disk

🚥 Command Prompt - diskpart							
icrosoft Windows [Version 10.0.19045.3208] c) Microsoft Corporation. All rights reserved.							
:\>diskpart							
C:\Windows\system32\diskpart.exe							
icrosoft DiskPart version 10.0.19041.964							
opyright (C) Microsoft Corporation. In computer: LO6-C-0011L							
DISKPART> 1	ist disk						
Disk ###	Status	Size	Free	Dyn	Gpt		
Disk Ø Disk 1	Online Online	953 GB 29 GB	0 B 0 B				
DISKPART> s	elect disk 1						
Disk 1 is n	ow the selected	disk.					
ISKPART> clean							
iskPart succeeded in cleaning the disk.							
ISKPART> convert gpt							
DiskPart su	iskPart 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



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/olume	Layout	Туре	File System	Status	Capacity	Free Spa	% Free		
(Disk 0 partition)	n 1) Simple	Basic		Healthy (R	450 MB	450 MB	100 %		
(Disk 0 partition)	n 2) Simple	Basic		Healthy (E	500 MB	500 MB	100 %		
Windows (C:)	Simple	Basic	NTFS (BitLo	Healthy (B	952,82 GB	577,13 GB	61 %		
Disk 0									
Disk 0 Basic 953,74 GB Online	450 MB Healthy (Recove	ery Partiti	500 MB Healthy (EFI Syster	Win 952, Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encrypted File: Crash Dum	d) In Basic Dat	a Partiti	on)
Disk 0 Basic 953,74 GB Online	450 MB Healthy (Recove	ery Partiti	500 MB Healthy (EFI Syster	n Partir Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encrypteo File, Crash Dum	l) Ip, Basic Dat	a Partiti	on)
Disk 0 Basic 953,74 GB Online Disk 1 Removable (D:) 20 01 CP.	450 MB Healthy (Recove	ery Partiti	500 MB Healthy (EFI Syster	n Parti	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encrypted File, Crash Dum	d) p, Basic Dat	a Partiti	on)
Disk 0 Basic 953,74 GB Online Disk 1 Removable (D:) 29,81 GB Online	450 MB Healthy (Recove 29,81 GB	ery Partiti	500 MB Healthy (EFI Syster	n Parti Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec File, Crash Dum	ł) p, Basic Dat	a Partiti	on)
Disk 0 Basic Disk 0 Basic Disk 1 Removable (D:) 29,81 GB Dinline	450 MB Healthy (Recove 29,81 GB Unallocated	ery Partiti Mew New	500 MB Healthy (EFI Syster	n Parti	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec File, Crash Dum	ł) p, Basic Dat	a Partiti	on)
— Disk 0 Basic 253,74 GB Dnline — Disk 1 Removable (D:) 29,81 GB Dnline	450 MB Healthy (Recove 29,81 GB Unallocated	ery Partiti Mew New New	500 MB Healthy (EFI Syster / Simple Volume / Spanned Volume / Striped Volume	n Partir Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec	ł) p, Basic Dat	a Partiti	on)
Disk 0 Basic B33,74 GB Dnline Disk 1 Removable (D:) 19,81 GB Dnline Unallocated	450 MB Healthy (Recover 29,81 GB Unallocated Primary partition	ery Partiti Mew New New New	500 MB Healthy (EFI Syster Simple Volume Spanned Volume Striped Volume	n Partir Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec	i) ip, Basic Dat	a Partitio	on)
Disk 0 Basic Dolline Disk 1 Removable (D:) 29,81 GB Dolline Unallocated	450 MB Healthy (Recover 29,81 GB Unallocated Primary partition	ery Partiti New New New New New New New	500 MB Healthy (EFI Syster Simple Volume Spanned Volume Striped Volume Mirrored Volume	n Partir Hea	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec	ł) p, Basic Dat	a Partitio	on)
Disk 0 Basic 953,74 GB Online Disk 1 Removable (D:) 29,81 GB Online Unallocated	450 MB Healthy (Recove 29,81 GB Unallocated Primary partition	ery Partiti New New New New New	500 MB Healthy (EFI Syster Simple Volume Spanned Volume Striped Volume (RAID-5 Volume	n Parti	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec	ł) p, Basic Dat	a Partitio	on)
Disk 0 Basic 953,74 GB Online Disk 1 Removable (D:) 29,81 GB Online Unallocated	450 MB Healthy (Recove 29,81 GB Unallocated Primary partition	ery Partiti New New New New New New New New	500 MB Healthy (EFI Syster v Simple Volume v Striped Volume v Mirrored Volume v ALD-5 Volume v perties	n Parti	dows (C:) 82 GB NTFS (BitL Ithy (Boot, Page	ocker Encryptec	ł) p, Basic Dat	a Partitio	on)



Step 3: copy the files and restore

	02.08.2023 647 MB zip SystemImage X SystemImage RM23.03.	Details anzeigen 3 3	
v ♂ Search Name FI	(E:) RESTORE	Add Extract Test Copy Move Delete Info C:\Users\rim5cer\Downloads\X7_Systemimage_01 Name EFI EFI	
rescue readme.txt	readme.txt readme.txt		

- 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 ctrIX CORE X7

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

As a workaround:

•press F7 (BIOS Boot Menu) during the boot \rightarrow 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



Step 3: copy the files and restore

	02.08.2023 647 MB zip SystemImage X SystemImage RM23.03	Details anzeigen X7 1.20.8 > 03.3
✓ Ö 🔎 Search	n (E:) RESTORE	Add Extract Test Copy Move Delete Info C:\Users\rim5cer\Downloads\X7_Systemimage_01 Name
EFI rescue readme.txt		EFI rescue readme.txt

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