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balenaEtcher (available for mac) Flash Tutorial

Note: This tutorial can be used for miners of different types. Here we take CK5 for example.

PART1

1. Install the software,



2. download the burning firmware.



3. Prepare the card reader and micro SD card



4. Double click to open balenaEtcher;



5. Plug in the card reader;

- 6. Click "flash for file" to select the burning file.
- 7. Click "Select target" to select the SD card
- 8. Click "Flash" to begin; you may need to input your computer's PW to authorize.



9. The burning begins;



10. The process is complete.



PART 2

Insert the SD card into the miner

1. Power off Miner, then insert the SD card into the slot alongside the indicator light.



Fig.8

 Power on the Miner, then you can see the red and green/blue lights flash together, which will last about 90 seconds. Wait for a while if there are no lights at the beginning, if they still aren't on, please contact us.



Fig.9

3. Wait until only the green/blue light flashes, which means the burning process is basically completed. Then pull out the SD card and plug the netcable, the miner will reboot automatically. When the green/blue light is flashing again, it means the miner is working. Note: make sure the power is on during the process. Otherwise, you need to redo all the procedures.



IBSMK Flash Tutorial

Note: This tutorial can be used for miners of different types. Here

we take CK5 for example.

PART1

After you receive the compressed packages (e.g. IBSMK Setup 1.8.5 rar. Shown as Fig.1) and the firmware (e.g. Please unzip this file-CK5-2.1.4Shown as Fig.2)



We recommend to use WinRAR software to unzip these files.



 Decompress and install the IBSMK Setup 1.8.5. and open it. (Shown as Fig.3) Note: You'd better store the IBSMK on desktop.



Fig.3

 Prepare a card reader and SD card exceeding 4GB (Fig.4), and then format the card. (Note: remember to save and transfer the current files in the SD card first.)



Fig.4

3. Insert the SD card into the computer USB port. Make sure there are no other storage

devices such as U disk, other SD card in the computer. The software will read the relative information once the SD card connects successfully. (Fig.5)

		-		×
+ -				
		<u> </u>		
选择镜像	G	eneric MassStorageClass USB		
		Device		
	- 烧录!			
			CHE	R
版本: 1.8.5				

Fig.5

4. Click "选择镜像" and upload the firmware, then START. (Shown as Fig.6 and Fig.7)

Don't close the software or pull out the SD card during the burning process. When



it reaches 100, the process is completed. And then close the firmware and pull out the SD card.





Fig.7

PART 2

Insert the SD card into the miner

 Power off Miner, then insert the SD card into the slot alongside the indicator light. (Fig.8)





5. Power on the Miner, then you can see the red and green/blue lights flash together, which will last about 90 seconds. Wait for a while if there are no lights at the beginning, if they still aren't on, please contact us.



Fig.9

6. Wait until only the green/blue light flashes, which means the burning process is basically completed. Then pull out the SD card and plug the netcable, the miner will reboot automatically. When the green/blue light is flashing again, it means the miner is working. Note: make sure the power is on during the process. Otherwise, you need to redo all the procedures.



Fig.10

Rufus Flash Tutorial

Note: This tutorial can be used for miners of different types. Here

we take CK5 for example.

PART1

After you receive the "rufus software" (e.g. rufus-3.20(1) Shown as Fig.1) and the firmware (e.g. Please unzip this file-CK5-2.1.4 Shown as Fig.2)





We recommend to use WinRAR software to unzip this file.



Fig.2

5. Install Rufus and open it. (Shown as Fig.3)

🖋 Rufus 3.20.1929	_	
Drive Properties		
Drive Properties		
Device		
		~
Boot selection		
Disk or ISO image (Please select)	~ 🚫	SELECT 🔽
Partition scheme	Target system	
~		\sim
\checkmark Show advanced drive properties		
Format Options		
Volume label		
File system	Cluster size	
	Cluster size	\sim
* Show advanced format ontions		
 Show advanced format options 		
Status		
2542	,	
READ	Y	
S9 () ≈ III	START	CLOSE
U devices found		



6. Prepare a card reader and SD card exceeding 4GB (Fig.4), and then format the card. (Note: remember to save and transfer the current files in the SD card first.)



 Insert the SD card into the computer USB port. Make sure there are no other storage devices such as U disk, other SD card in the computer. The software will read the relative information once the SD card connects successfully. (Fig.5)

🖋 Rufus 3.20.1929		_		×
Drive Properties				
Device				
NO_LABEL (Disk 1) [32 GB]				\sim
Boot selection		_		
Disk or ISO image (Please select)	\sim	\oslash	SELECT	-
Partition scheme	Target system	n		
MBR	BIOS (or UEF	I-CSM)		~ ?
 Show advanced drive properties 				
Format Options				
Volume label				
32 GB				
File system	Cluster size			
FAT32 (Default)	16 kilobytes	(Defaul	t)	\sim
 Show advanced format options 				
Status				
READY				
§§ (i) ≇ 🔳	START		CLOSE	Ξ
1 device found				

Fig.5

8. Go to the Boot Selection column, select "Disk or ISO image (please select)". In the same row, click "SELECT" button to upload the burn firmware. After you select the corresponding burn firmware, go to the bottom and click "START". In the meantime, a dialogue box will pop up, just click "confirm". Refer to Fig. 6&7.

🖋 Rufus 3.20.1929	_		X	
Duine Durantin				
Drive Properties				
Device				
NO_LABEL (Disk 1) [32 GB]			\sim	
Boot selection				
Disk or ISO image (Please select)	~ ⊘	SELECT	-	
Partition scheme	Target system			
MBR	BIOS (or UEFI-CSM))	\sim	?
 Show advanced drive properties 				
Format Options				
• Volume label				
32 GB				
File system	Cluster size			
FAT32 (Default)	16 kilobytes (Defau	ılt)	\sim	
 Show advanced format options 				
Status				
READY				
$\heartsuit \cup \Rightarrow \blacksquare$	START	CLOSE		
1 device found				

Fig.6

🖋 Rutus 3.20.1929	—	\square ×	
Drive Properties			
NO LABEL (Disk 1) [32 GB]		\sim	
Rufus			×
WARNING: ALL DATA ON DE BE DESTROYED. To continue with this operation	VICE 'NO_LABEL (Disk on, click OK. To quit c	: 1) [32 GB]' WILL lick CANCEL.	
	确定	取消	
File system	Cluster size		
FAT32 (Default)	Cluster size 16 kilobytes (Defaul	t) ~	
File system FAT32 (Default) ∨ ✓ Show advanced format options	Cluster size 16 kilobytes (Defaul	t) ~	
File system FAT32 (Default) ✓ ✓ Show advanced format options Status	Cluster size 16 kilobytes (Defaul	t) ~	
File system FAT32 (Default) ✓ ✓ Show advanced format options Status	Cluster size 16 kilobytes (Defaul	t) ~	
File system FAT32 (Default) ✓ Show advanced format options Status READ	Cluster size 16 kilobytes (Defaul DY START	t) ~ CANCEL	
File system FAT32 (Default) ✓ Show advanced format options Status READ ③ ① 至 □ Using image: burn-Goldshell-CKBox_MCB_V	Cluster size 16 kilobytes (Defaul DY START	t) ~ CANCEL	

Fig.7

 When the bottom bar turns green, it means the process is beginning; when it shows "READY", means the process is finished, you can click "CLOSE" and pull out the SD card.

✓ Rufus 3.20.1929	_		×
Drive Properties			
Drive Properties			
Device			
NO_LABEL (Disk 1) [32 GB]			\sim
Boot selection			
burn-Goldshell-CKMCB_V5_4-2.1.1.img		SELECT	
Partition scheme	Target system		
MBR	BIOS (or UEFI-CSM)		~ ?
✓ Show advanced drive properties			
Format Options			
Volume label			
32 GB			
File system	Cluster size		
FAT32 (Default)	16 kilobytes (Default)		\sim
ullet Show advanced format options			
Status			
Writing image:	: 0:00:01		
⊌ ∪ ≈ Ш	START	CANCE	:L
Using image: burn-Goldshell-C K_MCB_V5	_4-2.1.1.img	0	0:00:11

Fig. 8

🖋 Rufus 3.20.1929	_		×
Drive Dreparties			
Drive Properties			
Device			
NO_LABEL (Disk 1) [32 GB]			\sim
Boot selection			
burn-Goldshell-CKMCB_V5_4-2.1.1.img	g ~ ⊘	SELECT	
Partition scheme	Target system		
MBR	BIOS (or UEFI-CSM)		~ ?
 Show advanced drive properties 			
Format Options			
Volume label			
32 GB			
File system	Cluster size		
FAT32 (Default)	16 kilobytes (Default)		\sim
 Show advanced format options 			
Status			
READY	/		
∅ () ≄ 🗐	CTADT	CLOSE	
	START	CLOSE	
1 device found		00):00:13

Fig. 8

PART 2

Insert the SD card into the miner

7. Power off Miner, then insert the SD card into the slot alongside the indicator light.

(Fig.9)





8. Power on the Miner, then you can see the red and green/blue lights flash together, which will last about 90 seconds. Wait for a while if there are no lights at the beginning, if they still aren't on, please contact us.



Fig.10

9. Wait until only the green/blue light flashes, which means the burning process is basically completed. Then pull out the SD card and plug the net cable, the miner will reboot automatically. When the green/blue light is flashing again, it means the miner is working. Note: make sure the power is on during the process. Otherwise, you need to redo all the procedures.



Fig.11