# How to load xell on corona v2 to get your CPUKey by Glitch360Team. FREE FOR ALL!

No need to swap your 4GB nand with a 16MB nand, no soldering resistors at all, just using the corona v2 as it is.

## **Required:**

- \*1x MMC/SD card Read/Writter
- \*Agw26-28 wire, (do not use kynar!)
- \*AGW24 wire
- \*1x 68 Ohm Resistor (can you use from 60 to 80 ohm)
- \*1 xbox 360 corona v2 (make sure it's at least on 14699, 14719 max!)
- \*Winhex
- \*Xebuild 2.082

## Step 1: Wire the card reader to the xbox360 to the U1D1 outputs





U1D1.1 is connected to a 68 Ohm resistor to vdd, pin 4 on a regular SD card U1D1.2 is connected to clk, pin 5 on a regular SD card U1D1.3 is connected to cmd, pin 2 on a regular sd card U1D1.4&6 is connected to gnd, pin 3 & 6 on a regular sd card U1D1.11 is connected to data3, pin 1 on a regular sd card U1D1.13 is connected to data1, pin 8 on a regular sd card U1D1.14 is connected to data2, pin 9 on a regular sd card U1D1.16 is connected to data0, pin 7 on a regular sd card

<u>Wires are to connect on a mmc/sd card reader not on a sd card itself.</u> Use AWG26 or 28 for all the wiring and AWG24 for both GND. This is important You also need to connect pin 1 of the main xbox 360 resonator to ground (C1E1 right pin is a good point)



Make sure the data write lock in disabled on your MMC/SD card Reader.

#### Step 2: Get your 16MB nand dump file

Once you got this all wired up to your card reader, plug the card reader to your usb after that plug the power on your xbox 360.

You should get a popup saying a drive (remember the drive letter) is unformatted, do you want to format it, of course say NO!

Load WinHex, go to Tools > Open Disk ....



Under Logical Media you should see: Removable Medium (your drive letter), Removable Medium « x »



Now search under physical media for the drive and load it

Now you can now see the contents of the 4GB nand

At this point we will extract the 16MB nand from the 4GB nand

Select the first value of the first offset (0), right click and select beginning of block

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## Then use Alt+G and go to offset 107FFFF

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Sector No.: 1	00000140		
	00000150		
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Offsets: hexadecimal	00000180	00 00 00 00 00 00 00 00 00 00 00 00 00	
Bytes per page: 37x16=592	00000190	00 00 00 00 00 00 00 00 00 00 00 00 00	
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Now select the last ansii value, click right and select en of block,

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Sector 33791 of 7348224	Offset:	107FFFF		= 241 Block:		n/a Size:	n/a

These are the contents of your 16MB nand file, save into a new file by going to edit > copy block > into new file and save, for example call it coronav2dump.bin

Congratulations! You now have your raw 16MB nand file. Your file size must be exactly 17 301 503 (16896Ko)

#### Step 3: Creating the ecc and flashing it into your 4GB nand (no 16MB nand swap needed!)

Now that you got your nand, you cannot use it to create an ecc file, the multi builders won't recognize it.

To make this a usable file we need to convert it using NandPro 3

Copy coronav2dump.bin to your nandpro folder, you will also need to copy a 16MB nanddump from another xbox (anyone, as long as it's a 16MB file), then use this command:

nandpro nanddump.bin: +W16 coronav2dump.bin.bin,

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🔛 Emplacements récents	🛓 coronav2dump.bin	03/09/2012 07:00	VLC media file (.bi	16 896 Ko		
🚺 Téléchargements	custom.inf	09/08/2009 14:01	Informations de c	3 Ko		
	DebugLog.txt	03/09/2012 09:55	Fichier TXT	1 Ko		
🥽 Bibliothèques	S DIPortIO.dll	18/10/2008 19:05	Extension de l'app	96 Ko		
Documents	🚳 libusb0.dll	07/07/2009 11:53	Extension de l'app	41 Ko		
🔚 Images	libusb0.sys	07/07/2009 13:53	Fichier système	28 Ko		
👌 Musique	libusb0_x64.dll	07/07/2009 13:53	Extension de l'app	53 Ko		
🛃 Vidéos	libusb0_x64.sys	07/07/2009 13:53	Fichier système	32 Ko		
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	NandPro.exe	14/10/2011 21:09	Application	239 Ko		
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14 élément(s)						

This will write your corona v2 dump adding spares into the nanddump.bin file.

You can now create your ecc file with your favorite builder using this new file

Now you need need to program the nanddump.bin file with the created .ecc

## For this we will use NandPro 3 again using this command

nandpro nanddump.bin: +w16 image\_00000000.ecc

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🔄 Images	🚳 libusb0.dll	07/07/2009 11:53	Extension de l'app	41 Ko				
👌 Musique	🚳 libusb0.sys	07/07/2009 13:53	Fichier système	28 Ko				
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The second secon	Flash Config: Bxd1198010 Block Size: 16KB Block Limits: 0x0000000x0003FF File: image_00000000.ecc Opt: Spare data will be initialized Opt: Block markers will be initialized Opt: Block markers will be initialized Opt: Fing 046F							
cmd.exe Modifié le : 27/1 Raccourci Taille : 1,16	2/2011 14:09 Date de création : 2 Ko	27/12/2011 14:09						

Now before programming our 4GB nand with this file we need to convert it back

## Again we use NandPro using this command

nandpro nanddump.bin: +R16 output.bin

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🚺 Téléchargements	custom.inf	09/08/2009 14:01	Informations de c	3 Ko			
	DebugLog.txt	03/09/2012 10:01	Fichier TXT	1 Ko			
🥽 Bibliothèques	S DIPortIO.dll	18/10/2008 19:05	Extension de l'app	96 Ko			
Documents	image_0000000.ecc	03/09/2012 07:06	Fichier ECC	1 320 Ko			
📔 Images	🚳 libusb0.dll	07/07/2009 11:53	Extension de l'app	41 Ko			
👌 Musique	🚳 libusb0.sys	07/07/2009 13:53	Fichier système	28 Ko			
📑 Vidéos	libusb0_x64.dll	07/07/2009 13:53	Extension de l'app	53 Ko			
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	NandPro.txt	14/10/2011 22:32	Fichier TXT	15 Ko			
🖳 Ordinateur	📤 output.bin	03/09/2012 10:01	VLC media file (.bi	16 384 Ko			
🏭 Disque local (C:)	🧇 port95nt.exe	15/03/2009 10:45	Application	1 610 Ko			
👝 Disque local (D:)							
👝 DLS (E:)	Administrateur : cmd ex	e		1.	— — — — X—		
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🕞 DATA (G:)	Copyright <c> 2009</c>	Microsoft Corporation.	. Tous droits rés	servés.	â		
🕞 Videos (J:)	G:\xbox 360\flasha	ge\GGbuild 0.33\NandPro	o3>nandpro_nand.]	bin: +R16 d	output.bin		
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📬 Réseau	G:\xbox 360\flasha	ge\GGbuild 0.33\NandPro	o3>nandpro nanddu	ump.bin: +}	R16 output.bin		
*	NandPro v3.0a by T	iros					
Using Virtual Nand Device File: nanddump.bin Flash Gonfig: 0x01198010 Block Size: 16KB Block Linits: 0x0000000x0003FF File: output.bin Opt: Raw mode disabled Reading 03FF							
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cmd.exe Modifié le : 27/1 Raccourci Taille : 1,16	12/2011 14:0 i Ko				-		

Go back to WinHex and open your output.bin file

#### Select the hole content using Ctrl+A

WinHex - [nospares_14719+ecc.	bin]		
File Edit Search Position	View Tools	pecialist Options Window Help	_ 8 ×
	ta 🛱 🖪 🐘	#4 #2 15 11 → +7 12 →   22 5 2 2 3 2 2 1 2 2 3 4 1 2 4 1 2 3 3 2 3 3 4 1 2 3 4 1 3 4 1 2 3 4 1 1 3 4 1 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Bemovable medium 6 nospares 147	19+ecc.bin		
	Offeet		
nospares_14719+ecc.bin	00000000	FF 4F 07 60 00 00 00 00 00 00 80 00 00 07 00 00 BO	
C:\Users\Zak\Desktop	00000010	52 47 48 32 20 32 73 74 61 67 65 20 43 42 20 69 RGH2 2stage CB i	
File size: 16,0 MB	00000020	6D 67 2C 20 76 65 72 73 69 6F 6E 3D 30 31 2C 20 mg, version=01,	
16 777 216 bytes	00000030	43 42 3D 31 33 31 32 31 00 00 00 00 00 00 00 00 CB=13121	
DOS name: NOSPAR~2.BIN	00000040		
	00000060	00 00 40 00 00 07 00 00 00 02 07 12 00 00 40 00@@.	
Default Edit Mode State: original	00000070	00 00 00 00 00 00 00 00 00 38 00 00 08 008	
State. Original	00000080		
Undo level: 0 Undo reverses: p/a	04000000		
	000000B0	00 00 00 00 00 00 00 00 00 00 00 00 00	
Creation time: 03/09/2012	00000000		
09:51:10	000000000000000000000000000000000000000		
Last write time: 03/09/2012	000000F0		
09:50:29	00000100	00 00 00 00 00 00 00 00 00 00 00 00 00	
Attributes: A	00000110	00 00 00 00 00 00 00 00 00 00 00 00 00	
Icons: 0	00000120		
Mode: Text	00000140		
Character set: ANSI ASCII	00000150	00 00 00 00 00 00 00 00 00 00 00 00 00	
Offsets: hexadecimal	00000160	00 00 00 00 00 00 00 00 00 00 00 00 00	
bytes per page: 54x16=864	00000170		
Window #: 2	00000190		
No. of windows. 2	000001A0	00 00 00 00 00 00 00 00 00 00 00 00 00	
Clipboard: available	000001B0		
TEMP folder: 45.5 GB free	00000100		
C:\Users\Zak\AppData\Local\Temp	000001E0		
	000001F0	00 00 00 00 00 00 00 00 00 00 00 00 00	
	00000200	FF	
	00000210	FF	
	00000230	FF	
	00000240	FF	
	00000250	FF	
	00000260	FF	
	00000280	FF	
	00000290	FF	
	000002A0	FF	
	00000280	FF	
	000002200	FF	
	000002E0	FF	
	000002F0	FF	
	00000300	FF	
	00000310	FF	
	00000330	FF	
	00000340	FF	
	00000350	FF	
Page 1 of 19419	Offset:	0 = 255 Block: 0 - FFFFFF Size:	1000000

Then go to edit > copy block > normaly

WinHex may tell you he needs to copy it to the internal clipboard, click yes

Now go back to your Removable Medium, Select the first value of the first offset (0)

Then go to edit > Clipboard Data > Write

You will now see your output.bin file pasted on the 4GB nand.

WinHex - [Removable medium 6	]					
J File Edit Search Position	View Tools	Specialist Options W	ndow Help			_ 5 ×
Del Da Parto I	a 🛤 🗈 1015	1 30 30 M AA			4 • M 🗠 🖽 🖉	
		HEX HEX				
Removable medium 6 nospares_1471	9+ecc.bin					
Partitioning type: ?	[5] [C	10	1	La Lan Lan	10	2 files, 0 partitions
Lipoatžionable enace	Ext. Size	2 MR	Modfied	Accessed Attr.		
Unpartitioned space	3	5 G B				
	5.	500				
	Offeet	0 1 2 2 4	E 6 7		<u>()</u>	
Removable medium 6	00000000	0 1 2 3 4	J D /	O O O O O O O O O		
Model: Sony Card_R/W -SD	00000000	BF 4F 07 60 00		00 00 80 00 00 07 00 00	WO. C. C. C. C.	
Firmware Rev.: 2.12	00000010	52 47 48 32 20 (D (D 00 00 00 00	32 73 74	61 67 65 20 43 42 20 69	RGH2 2stage CB 1	
Bus: USB	00000020	6D 67 2C 20 76	65 72 73 01 00 01	69 6F 6E 3D 30 31 2C 20	mg, Version=UI,	
Defends Edu Marda	00000030	43 42 30 31 33	31 32 31 00 00 00		CB=13121	
Default Edit Mode	00000040		00 00 00			
state. mouned	00000060	00 00 40 00 00	07 00 00	00 02 07 12 00 00 40 00	@ @	
Undo level: 1	00000070	00 00 00 00 00	00 00 00	00 00 38 00 00 00 08 00	8	
Undo reverses: clipboard writing	00000080	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
	00000090	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Total capacity: 3,5 GB	000000A0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
3 762 290 688 bytes	000000B0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Number of cylinders: 457	000000C0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Number of heads: 255	000000D0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Sectors per track: 63	000000E0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Bytes per sector: 512	000000F0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Surplus sectors at end: 6519	00000100	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
	00000110	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Cylinder No.: 0	00000120					
Head No.: 0	00000130					
Sector No.: 1	00000140		00 00 00			
	00000160		00 00 00			
Mode: hexadecimal	00000170	00 00 00 00 00	00 00 00			
Character set: ANSI ASCII	00000180	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Bytes per page: 37x16=592	00000190	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
-,,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-	000001A0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Window #: 1	000001B0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
INO. OF WINDOWS: 2	000001C0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Cinhand 10 0 MR (stand)	000001D0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
Cipboard: 16,0 MB (internal)	000001E0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
TEMP folder: 45,5 GB free	000001F0	00 00 00 00 00	00 00 00	00 00 00 00 00 00 00 00		
C:\Users\Zak\AppData\Local\Temp	00000200	FF FF FF FF FF	FF FF FF	FF FF FF FF FF FF FF FF	<b>УУУУУУУУУУУУ</b> УУУУУ	
	00000210	FF FF FF FF FF	FF FF FF	FF FF FF FF FF FF FF FF	<u> </u>	
H	00000220	FF FF FF FF FF FF	FF FF FF	FF FF FF FF FF FF FF FF	<u> </u>	
<b>1</b>	00000230	FF FF FF FF FF FF	CC CC CC	FF FF FF FF FF FF FF FF	<u> </u>	
	00000240	EE EE EE EE EE	ee ee ee	LE LE FE FE FE FE FE	******	
Sector 0 of 7348224	Offset:	0		= 255 Block:	0 - FFFFFF Size:	1000000

Exit WinHex, you will get a popup saying your Removable Medium has been modified, save now? Select yes

M File Edit Search Desition	Minue Tools S	and the second sec	
B C C C C C C C C C C C C C C C C C C C	View roots 3	pecialist Options Window Heip	- 6 ×
L⊨∎⇔≊≊ ⊨∾ "	■ ■ ■ 010	$ \texttt{W} \textcircled{\sc w} \textcircled{\sc w} \textcircled{\sc w} = V \ \begin{tabular}{c} \textcircled{\sc w} \end{array} \\  \textcircled{\sc w} @ \rule{\sc w} @ $	
Removable medium 6 nospares_1471	9+ecc.bin		
Partitioning type: ?	1		2 files, 0 partitions
Filename A -	Ext. Size	Created Modified Accessed Attr. ID	
Unpartitionable space	3,2	MB	
Unpartitioned space	5,5	GB	
-	Offset	0 1 2 3 4 5 6 7 8 9 Å B C D E F 🔕	
Removable medium 6	00000000	FE 4E 07 60 00 00 00 00 00 80 00 00 07 00 00 V0	
Model: Sony Card_H/W -SD Emmare Rev - 2.12	00000010	52 47 48 32 20 32 73 74 61 67 65 20 43 42 20 69 RGH2 2stage CB i	
Bus: USB	00000020	6D 67 2C 20 76 65 72 73 69 6F 6E 3D 30 31 2C 20 mg, version=01,	
	00000030	43 42 3D 31 33 31 32 31 00 00 00 00 00 00 00 00 CB=13121	
Default Edit Mode	00000040	00 00 00 00 00 00 00 00 00 00 00 00 00	
State: modified	00000050	00 00 00 00 00 00 00 00 00 00 00 00 00	
Undo level; 1	00000060	00 00 40 00 00 07 00 00 00 02 07 12 00 00 40 00	
Undo reverses: clipboard writing	00000070		
	000000000		
Total capacity: 3,5 GB	000000A0		
3 /62 290 688 bytes	000000B0	00 00 00 00 WinHex	
Number of cylinders: 457	000000C0	00 00 00 00 00	
Number of heads: 255	00000D0	00 00 00 00 00 P Personale medium 6" was modified. Save now?	
Sectors per track: 63	000000E0		
Bytes per sector: 512	000000F0		
Surplus sectors at end: 6519	00000110		
	00000120		
Lyinder No.: U	00000130	00 00 00 00 00 00 00 00 00 00 00 00 00	
Sector No.: 1	00000140	00 00 00 00 00 00 00 00 00 00 00 00 00	
	00000150	00 00 00 00 00 00 00 00 00 00 00 00 00	
Mode: hexadecimal	00000160		
Character set: ANSI ASCII	00000170		
Offsets: hexadecimal Butes per page: 37/16-592	00000190		
bytes per page. 57x10=552	000001A0	00 00 00 00 00 00 00 00 00 00 00 00 00	
Window #: 1	000001B0	00 00 00 00 00 00 00 00 00 00 00 00 00	
No. of Windows: 2	000001C0	00 00 00 00 00 00 00 00 00 00 00 00 00	
Clipboard: 16.0 MB (internal)	000001D0		
	000001E0		
C:\Users\Zak\AppData\Local\Temp	00000200	FF	
o. toosto scare o populara scoodi (Tellip	00000210	FF	
8	00000220	FF	
<b>4</b>	00000230	FF	
-	00000240	FF	
Sector 0 of 7348224	Offset:	0 = 255 Block: 0 - FFFFF Size:	1000000

Then it will tell you the disk may be severely damaged, select OK It will ask you one more time if you are absolutely sure, select yes Wait until it's done.

Make sure you Eject your removable disk before you unplug usb or unplug power to your xbox.



**Congratulation!** You successfully programmed your 4GB corona v2 motherboard.

This is an exemple of our hardware wired on a corona v2

You can now install a glitch modchip and get your CPUKey.

For now we can only get the CPUKey thru the xell, you cannot create a freeboot dash since the builders do not recognize this new nand file. You will need to wait that the multi builder get updated for corona v2

## **SPECIAL THANKS:**

Special thanks to JuggahaxOr at Dayton360MoDs for gathering people on his forum so they could discuss about this, Glitch360Team for sharing ps7000, jedec & emmc informations,

Zhangjiqi007 from a9vg Chinese forum for his work on swapping nands to get cpukey,

Zhaojun297 for all the information about swapping nands and electronic help,

Glitch360Team for releasing the way to get CPUKey on corona v2 without swapping to 16MB nand and not having to add or change any components.

Thanks to Edson Dario, carranzafp and Sileandro and Maximus Team for their testing and help.

## Enjoy ;)



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