

This is a collection of many different posts on various forums, I put into a single file for CYGNOS v2 users, and this is not for JTAG users!!

(This tutorial is assuming your running windows XP; I have not tested this with Vista or Win7 32 bit)

In this Guide, I am going to assume you have already got all your tools set, that you are not going into this with complete ignorance and can source XELL and XBR yourself. I provide no software for this tutorial; this is just the correct process to Get XBR Booting on your Cygnos360 V2.

Legend:

Orig.bin, Your stock NAND image, the one you dumped from your X360 using Cygnos software.

rawkv.bin, This is your raw keyvault files extracted from your original NAND image. You can name yours anything. But in this Mini Guide this is how it will be referred to as.

rawconfig.bin, this is your raw config file from your stock NAND, this part is considered to be optional. If you have issues getting your XBR image to boot redo the process without injecting your consoles config data.

hack.bin, this is generated when you built your freeboot image following the Cygnos guide.

xbr.bin, (get your console_XBR_8955_x and rename to xbr.bin for ease of typing) this is your XBRboot Bin that would be going to inject and edit to work with your Cygnos360 V2 chip. You can find this in the usual places.

Console_XELL.bin, get your XELL_console version.bin and rename to xell.bin for ease of typing) this is from REDLINE99 image collection file found in the usual places

CY2SMC.bin, this is the Encrypted SMC, THIS IS NOT FROM CYGNOS SOFTWARE!! You can name yours anything. But in this Guide this is how it will be referred to as.

Extracting Your Console Specific Data:

*** to make this EASY, extract NANDPRO to a folder in the root of your hard drive ex. C:\nandpro or My computer -> YOU MAIN HDD typically called "C:"

[Download and Install nandpro v2b](#) (* Make sure port95nt.exe is installed, if it's not, install it (from nandpro20b folder) you need to reboot)

*** WE ARE ASSUMING YOU HAVE FOLLOWED CYGNOS INSTRUCTIONS AND HAVE DUMPED YOUR CONSOLE'S NAND ****

Place your ORIG.bin, XBR.bin and XELL.bin in the Nandpro directory.

Go to Start ---> Run --->type "CMD" (without the quotes) then press enter (this will bring up your DOS command box)

Type CD\

You should see C:\>

Type CD NANDPRO (or whatever you named the folder)

Dumping Your Console Specific Data:

Type the following:

```
Nandpro orig.bin: -r16 rawkv.bin 1 1
```

```
Nandpro orig.bin: -r16 rawconfig.bin 3de 2
```

```
Nandpro xell.bin: -r16 CY2SMC.bin 0 1
```

Injecting Your Console Specific Data and the Cygnos360 SMC Into Your XBR NAND:

Type the following:

```
Nandpro xbr.bin: -w16 rawkv.bin 1 1
```

```
Nandpro xbr.bin: -w16 rawconfig.bin 3de 2
```

```
Nandpro xbr.bin: -w16 CY2SMC.bin 0 1
```

*** You can leave the orig.bin on the console or follow cygnos instructions and place XBR on your console, it's up to you. Doing this you will occasionally get an E-79 error, just turn off console and turn back on and should boot into XBR_8955 ***

Using Cygnos software flash the XBR.bin in NANDPRO directory to the Cygnos NOT the Xbox360

***** FOR ADVANCED USERS ONLY *****

If you want FROOBOOT on console NAND you need to do this:

Removing the NAND Switch Command From The Freeboot.bin:

This step is important if you want to run this on your Xbox 360 NAND. If you fail to follow this step the console will boot and switch to the Cygnos360 NAND and then you will get nothing. Due to the nature of XBR they reuse key components of Freeboot.

Freeboot is designed to switch to a second NAND IF available. If it's not available or is already on a second NAND it continues to boot correctly.

Open your XBRboot image we just finished injecting with a hex editor.

Navigate to offset 0x00108B08 and zero out "!Switch"

(Replace 21 53 57 49 54 43 48 0A with 00 00 00 00 00 00 00 00)

```
00108AD0 5B 76 30 2E 30 32 20 2D 20 63 6F 64 65 64 20 62 [v0.02 - cod
00108AE0 79 20 69 6B 61 72 69 5D 0A 0A 00 00 00 00 00 00 y ikari]...
00108AF0 4C 6F 61 64 69 6E 67 20 58 65 4C 4C 20 2E 2E 2E Loading XeLL
00108B00 0A 00 00 00 00 00 00 00 21 53 57 49 54 43 48 0A .....!SWI
00108B10 00 00 00 00 00 00 00 00 42 6F 6F 74 69 6E 67 20 .....Boot
00108B20 00 00 00 00 00 00 00 00 78 78 78 78 78 78 78 78 .....xxxx
00108B30 78 78 78 78 78 78 78 78 00 00 00 00 00 00 00 00 xxxxxxxx....
00108B40 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00108B50 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```

Note: Picture does not have the full hex data you need to zero out highlighted. Use this only as a visual reference to find the offset.

Fixing the ECC of the XBR Image with the !Switch Function Removed:

Ok, so now we have busted the images ECC, and it will not flash with the Cygnos toolbox, no worries **Surazal** has found a quick and easy way to fix this. Run these commands EXACTLY as they are printed. Take note of the read/write command case and triggers they are important to reset the ECC on the file.

```
Nandpro xbr_8599_XX.bin: -R16 040.bin 040 1
```

```
Nandpro xbr_8599_XX.bin: +W16 040.bin 040 1
```

Again note the capital Read/Write command and note the triggers.

After this is done, you ECC on your XBR NAND is fixed so that you can flash it to NAND on your Cygnos360 V2 Xbox 360.

Flash and enjoy!