

How to Mod your XBOX without modchip (proven)

(v1.0 Jan 04)

by Iftekb

Last modified: January 11nd, 2004 (brand new year)

IMPORTANT

You may damage your XBOX by modding it without chip.

You may void the warranty if you open your XBOX.

XBOX Live compatibility may be affected.

This may be illegal in some countries.

BACK TO REALITY

I made some dumb mistakes but finally I modded my XBOX without modchip, it works OK:), didn't lose any saved games, nor the cd's I had copied using original dash.

The original dash stopped working after I copied the free-xevox files, but now it works fine I just had to copy the files related to the original dash again, so don't worry if you cant use the MS dash for a while. In order to play DVD movies, avi and mpeg files, snes emulators, 64 emulators, or even Mame, you need some apps, look for them at irc

The gear I used:

1. Torx T-20, and T-10 screwdriver
2. 15W soldering iron.
3. PIV 1.8GHz with Windows XP n network card.
4. hdd_driver.zip
5. dlls nedded by hdd_driver :
MSVCRTD.DLL, MSVCIRTD.DLL, MFCO42D.DLL, MFC42D.DLL
6. free-xevox.rar
6. ernie_and_bert_reloaded.tgz
7. FTP software FlashFXP
8. Crossover cable (RJ45)
9. EvoxM7_ef_FC_1MB.bin
(My XBOX is v1.0 so it needs a 1mb bios, you should get the right bios for your XBOX version)

Step 1. Download all required software.

From irc:

<http://www.xbox-emulation.co.uk/irc.shtml>

free-xevox.rar
hdd_driver.zip
ernie_and_bert_reloaded.tgz

From the Slayer installer :

EvoxM7_ef_FC_1MB.bin

"To get the latest Version of the Installer follow these instructions:

* IRC Software: Get your free MIRC Client from here: <http://www.mirc.co.uk/get.html> and choose the link closest to you.

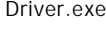
* IRC Server = snoop.burghcom.com (IRC Server Join Command = /server snoop.burghcom.com)

* IRC Channel = #SlaYerS (IRC Channel Join Command = /join #SlaYerS)"

I searched in yahoo the following dlls needed by hdd_driver:

MSVCRTD.DLL
MSVCRTD.DLL
MFCO42D.DLL
MFC42D.DLL



2ble click  to see if everything is ready, you should receive an error message not related to dlls..

Also in yahoo.

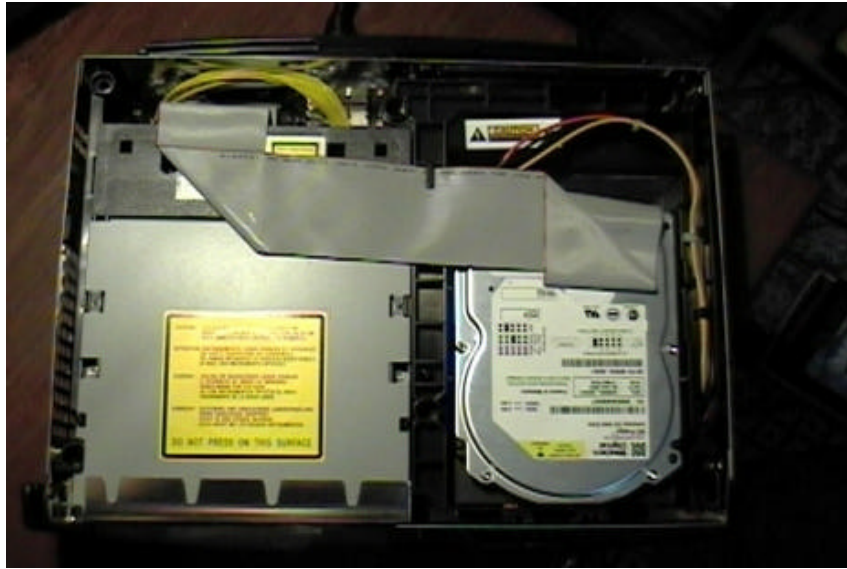
-FlashFXP_21_Setup.exe

Step 2. Open the XBOX

There are 6 screws, one under each pad and 2 under the stickers.



Once opened it will look like this:



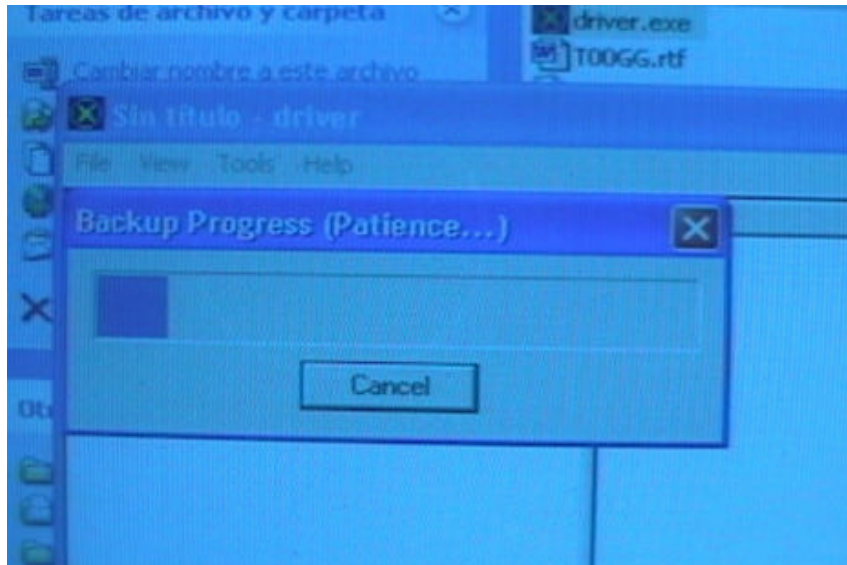
Step 3. Hot swapping.

I disconnected my dvd and cd-writer units from my pc in order to have a free IDE cable. Let your XBOX rest a couple of minutes so the hard disk stays idle, once tv screen has faded, with the PC on and the XBOX on, remove the IDE cable from the XBOX's hard disk and connect it to the PC's free IDE CABLE. It makes some scary sounds.



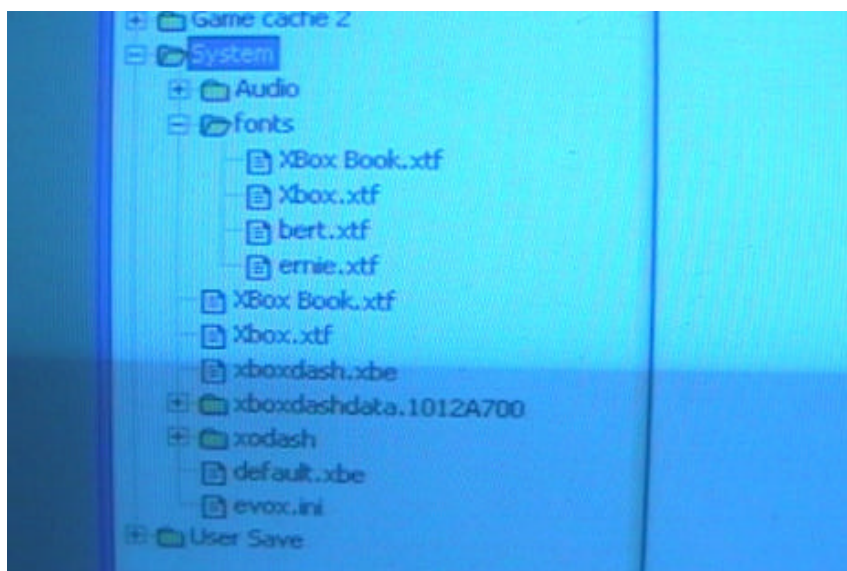
Once connected it to the PC go to Control Panel\System\Device Manager, click refresh. The first time I did it Windows XP displayed a "new hardware found" message, the following times

it didn't although hdd_driver continued to work fine. Once plugged and refreshed, run hdd_driver and backup the entire hard disk Tools\Backup HDD. This took almost 10 min. Don't minimize the window, just let it do its work :)



Step 4. Copy ernie.ttf & bert.ttf to /System/Fonts

hdd_driver tends to crash easily, so it's better to use the right click, insert option to copy files. Copy ernie.ttf & bert.ttf from ernie_and_bert_reloaded.tgz to the /System/Fonts directory. Rename Xbox.ttf to Xbox.ttf.old and Xbox Book.ttf to Xbox Book.old, insert in /System default.xbe and evox.ini from free-xevox.rar. Connect XBOX's hard disk back to its place and reboot XBOX.

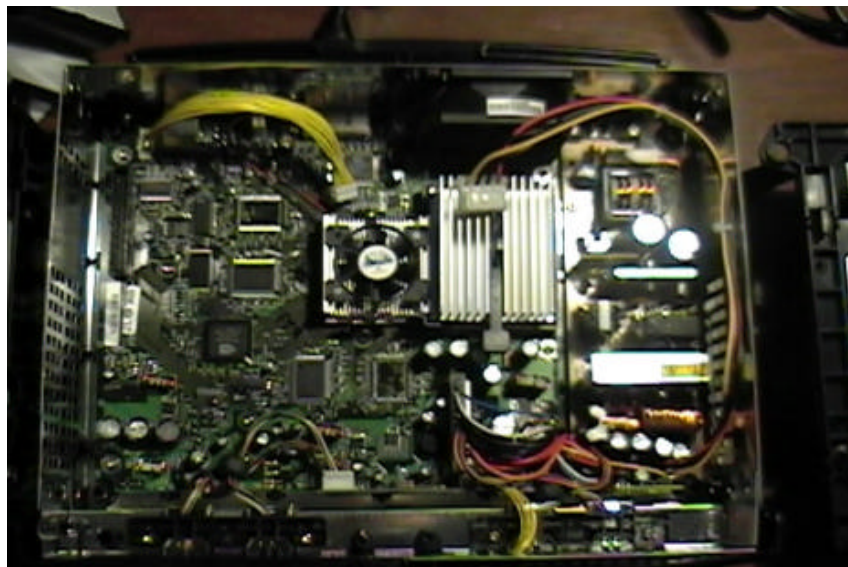


Turn on the XBOX, it will boot to the evox dash.



Step 5. Time to solder.

Remove the Hard disk and the DVD drive, and take out the motherboard :





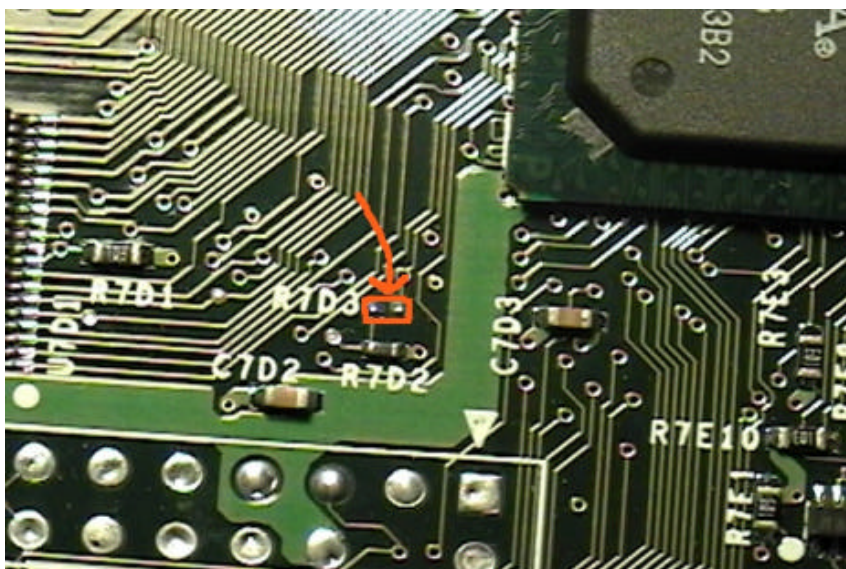
2 points of solder are needed to flash the TSOP. (If the TSOP is sharp an extra cable is needed)
Some common TSOP are:

MACRONIX - MX29F022NTPC Sharp - LHF08CH1 SST - SST49LF020
ST - M29F080A, M29f002BT

The following pics show the location of the points needed for XBOX v 1.0, you should check the points needed for your version on : <http://www.xbox-scene.com/articles/tsop-images.php>

My XBOX is a v1.0 with an ST - M29F080A (These days I'm living in Mexico, and that's the most common here.)

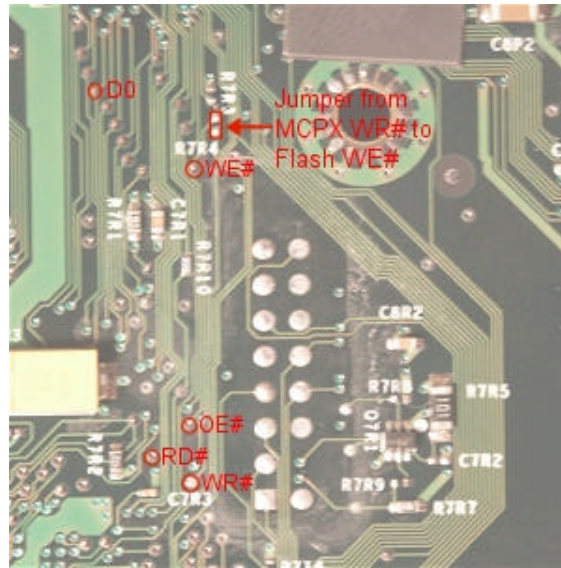
Point #1



You need to drop a small amount of solder here so as to join these two points on the board.

Point # 2

And also these two points, the ones in the square, that are under the board. (sorry for the pic)



Step 6. Flash TSOP

Put the motherboard, DVD and Hard Disk back in the XBOX, turn it on, it will boot to the evox dash again, go to settings, set to yes the following options:

```
SETUPNETWORK YES  
STATIC IP YES
```

You'll find the IP of your XBOX, eg. 192.168.0.10, open Flash FXP and connect to that ip ,

Username: xbox

Password: xbox

The username and password are established in evox.ini

The free-xevox doesn't have the flash bios option enabled, it looks like this:

```
#           Item "Flash BIOS",@1
```

I used the ini file from the Mech Assault Linux Loader, but I didn't have the bios where it looks for it so it just showed me an "Unwriteable error" but the points were OK, so ensure that your ini file has something like this (these lines are taken from a Slayer installer):

In [Menu] , SECTION "Root":

```
Item "7-1) Flash 1MB MOD or v1.0-1.1 TSOP w/ EvoX-M7 EjectFix ",@270
```

An then some lines below, after the SECTION "Root" part :

```
[Action_70]
Info "Flash 1MB MOD CHIP or Xbox v1.0-v1.1 TSOP "
... (some warning lines)

flashbios "\Bios\EvoxM7_ef_FC_1MB.bin"
```

IMPORTANT:

The line flashbios "\Bios\EvoxM7_ef_FC_1MB.bin" does the magic, it will look for EvoxM7_ef_FC_1MB.bin in c:\Bios, if the file isn't there, it wont flash the TSOP.

If u cant find similar lines in your ini file, either copy these ones or get the ini file of a slayer distribution.

The @270 at the end of the line will execute the lines at [Action_70] , yup @270 to 70, its ok.

Before flashing your bios check the instructions in the ini file, if the flashing includes formatting your drive, then either find another ini or comment the formatting lines, it is not necessary at this point to format your drives.

So let's go on.

Choose "Backup", it will create c:\Backup , copy that directory to your hard disc, create a directory "Bios" in c:\ And copy EvoxM7_ef_FC_1MB.bin there or the bios file you want to use.

Flash the bios.

Turn it on, go to Settings and in Bios you should no longer see "Original" but "EvoxM7..." or the name or the current bios you're using, some skins wont recognize the bios but don't worry.

And that's all , your xbox is ready to rumble!!

COMMENTS.

The extra cable is only needed if you have a SHARP TSOP, believe me I soldered that, unsoldered that , broke the trace line, and it still didn't work with my ST TSOP , just because the ini file looked for the bios somewhere else.

If you get an error telling you that your media is unwriteable, check that the ini file looks for the bios in the right place!!

I want to thank Raylye for his knowledge on XBOXing. Thanx dude!