



by trancy

## XFlasher 360 – XBOX 360 DVD-ROM Flasher

### Translation by MountieXXL

In the past there have been many users who have had problems when it comes to flashing their drive under Windows (Drive-bricking, Windows freezes, etc.) so I have decided to program a DOS-based tool that automatically does the following:

- Copying of the DVD-Drive Firmware
- Spoofing/patching of the Firmware
- Flashing the DVD-Drive with iXtreme

The Tool: XFlasher completes the entire Flash-Procedure (see Figure 1). For this the original firmware as well as the files iXtreme.bin, org.bin, key.bin, identify.bin, inquiry.bin or dummy.bin are placed in separate folders. Note: Not all of the files mentioned above are created for every drive model.

DVD drives from Lite-On, BenQ, and Samsung/Toshiba are supported. It is not possible to flash Hitachi drives under DOS at the moment, if this should change in the future then newer versions of Xflasher will most probably be released with the added support.

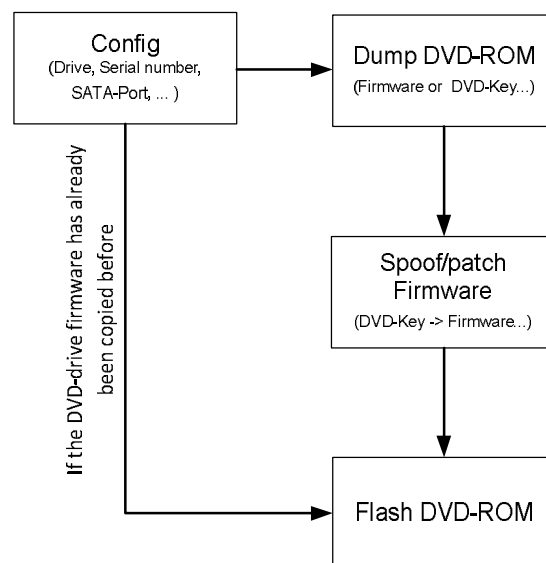


Figure 1: Automatic Flash-Procedure

# 1. Preparations

## 1.1 Essential Hardware

- a) A PC with SATA and COM Ports (a COM port is only necessary for Lite-On drives). A PCI-SATA card also does the trick. Boards with VIA or INTEL chipsets are recommended
- b) A USB-Boot-Stick with DOS and the content from the XFlasher 360 file
- c) iXtreme firmware for Lite-On (ix15Lite.bin), BenQ (ix15Benq.bin) and Samsung/Toshiba (ix15Sam.bin) drives (gets copied to the Firmware folder)
- d) A RS232 converter for the Lite-On drive (i.e. 360 Xtractor Tool)

## 1.1 INSTALLATION

Please use the installtionsroutine from XFlasher!

Warning: This will completely format your USB-drive!!!

- 1) Open the files "Install and format USB.bat" and select the drive letter of your USB-drive. All required files will be copied to your USB-drive, this will make it bootable.
- 2) Boot your PC from the USB-drive.

## 1.2 The Lite-On DVD drive connected to the RS232 (COM-Port) per Connectivity Kit

Work in Progress!

## 2 Config

Warning: Proceed at your own risk! There is always the possibility that something may go wrong during a flash-procedure and I will not take responsibility for any damages that occur.

```
Disclaimer

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the end user, and EndlessOnline regarding use of this software. By installing,
copying, or otherwise using the Software, you agree to be bound by the terms
of this Agreement. If you do not agree to the terms of this Agreement, do not
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RISK. Any harm or damage to your system by running this software will also be
for your own risk. We do not ensure continuous, uninterrupted, reliable,
error-free, secure operation of the Software.

Are you agree?
Yes
No
```

2.1 This menu is for selecting your preferred language, it only shows up the first time you use XFlasher.

```
Select your language

Deutsch
English
Francais
```

2.2 First select the type of DVD drive you have.

```
Select your Xbox 360 DVD-ROM.

Lite-On
BenQ
Samsung/Toshiba
```

2.3 Now enter the serial number of your XBOX 360. The serial number is exactly 12 characters long and will be used later when generating the folders. It is very important to always use the proper serial number to avoid a file mix-up when flashing different drives. (org.bin, key.bin, etc. could accidentally get overwritten)

```
Enter the serial number of your Xbox 360 (i.e. 123456712345).

> 123456712345
```

2.4 In this window the SATA-port that is to be used needs to be defined, the port number is in hexadecimal format. In case you do not know the number of your SATA-port then it can be determined with the program DosFlash. Start DosFlash, press „s“, and then press enter. The Lite-On drive should show up under the message „MTK Vendor Intro failed on port 0x????“, write down your SATA-port number and then press „n“ to exit DosFlash. The last used SATA-Port will automatically be selected for the future session.

```
Enter your SATA port (i.e. 0900)
If you want to search for the SATA port, enter (s).

> d100_
```

- 2.5 The last window is optional, if you want you can write a comment to help you easily identify the files at a later point in time.

```
Enter additional information. This will make it easy to identify the data later  
> My XBOX 360. 10. Jan 2008
```

- 2.6 Here you can see a summary and check if you typed everything in correctly, choose the second option to re-enter the listed information. If everything checks out OK then you can begin with the copying procedure. (see section 3. Copying the DVD-Drive Firmware).

```
Summary:  
DVD-ROM      : Lite-On  
Serialnumber: 123456712345  
SATA-port    : d100  
Text info    : My XBOX 360. 10. Jan 2008  
  
Ready to dump, spoof and flash the DVD-ROM?  
The flashing process is completely automatic!  
  
Dump, flash and spoof the DVD-ROM  
Select Drive/Serial No/SATA-Port again
```

XFlasher checks to see if the DVD-drive firmware has already been copied before, and gives you the option to flash the firmware right away or to copy and spoof/patch it again.

Warning: Only use this function if you are 100% sure that the firmware you are using is compatible with the XBOX 360 you want to flash. To proceed select the option „*Start Flash Procedure*“. It is possible to double-check by reading the Logfile for more detailed information, to do this select the option „*show Logfile*“.

```
Summary:  
DVD-ROM      : Lite-On  
Serialnumber: 123456712345  
SATA-port    : d100  
Text info    : My XBOX 360. 10. Jan 2009  
  
Firmware files (ix15Lite.bin, KEY.BIN, INQUIRY.BIN, ...) exist!  
The files are in this folder: "BACKUPS\1234567\12345".  
Maybe the firmware was dumped before?  
You can flash the firmware without dumping it again!  
Warning: The firmware files HAVE TO match your console!!  
  
Dump, spoof and flash DVD-ROM again  
Select Drive/Serial No/SATA-Port again  
Flash the DVD-ROM  
Show logfile
```

### 3 Copying the DVD-Drive Firmware

During the copy-procedure the following files will be copied or generated:

- a) Lite-On                      key.bin, identify.bin, inquiry.bin, dummy.bin and hack-lit.bin
- b) BenQ                        org.bin and hack-ben.bin
- c) Samsung/Toshiba    org.bin and hack-sam.bin

These files will be saved under \BACKUPS\1234567\12345, the folder names differ according to the 12-character serial number of the XBOX console.

Remember:

These files are very important for your XBOX 360, should your DVD drive stop working then it is possible to flash a different drive of the same manufacturer using them in conjunction with the XFlasher program.

#### 3.2 Lite-On

For the necessary preparation steps see section 1.2. For the copying of the DVD-Key from the Lite-On drive follow these steps:

- 1) Connect the Lite-On DVD-drive to the COM 1 and SATA ports
- 2) Connect the drive's power-source
- 3) Open the DVD-drive tray
- 4) Disconnect the drive's power-source
- 5) Manually push the tray until its in about half-way
- 6) Reconnect the drive's power-source

After step 6, press y and then Enter. At this point the DVD-Key should have been properly read and the files key.bin, identify.bin, inquiry.bin and dummy.bin been generated. If any errors occurred or the steps were not done properly and in the right order then you will see the message Error: DVD-Key faulty. The steps can be repeated if this happens.

When the DVD-Key is read properly then the following menu will be displayed:

```
Dumping the Lite-On files (KEY.BIN, INQUIRY.BIN, IDENTIFY.BIN, dummy.bin)...
Connect the drive to SATA and COM1 and power it!

To receive the drive key use Germia's DVDKey method like follows:
- Connect your drive with a serial cable to the COM port
- Eject drive tray
- Power off drive
- Push drive in until it is half open
- Press "Yes" if you are ready
Are you ready (Y/N)? y
DVD-Key: 3E 7F 6A 3B BB 4E CC 55 9B 76 23 4F 2E 5D FF 1D
Writing dummy.bin please wait...
Key and identify data successfully saved!
Reading the DVD key was successful!

Do you want to read the key again for verification?
Yes
No
```

You now have the option of double-checking the DVD-Key.

If the 2<sup>nd</sup> read DVD-Key is the same as the 1<sup>st</sup> then you will see the following screen:

```
Dumping the Lite-On files (KEY.BIN, INQUIRY.BIN, IDENTIFY.BIN, dummy.bin)...
Connect the drive to SATA and COM1 and power it!

To receive the drive key use Germia's DVDKey method like follows:
- Connect your drive with a serial cable to the COM port
- Eject drive tray
- Power off drive
- Push drive in until it is half open
- Press "Yes" if you are ready
Are you ready (Y/N)? y
DVD-Key: 3E 7F 6A 3B BB 4E CC 55 98 76 23 4F 2E 5D FF 1D
Writing dummy.bin please wait...
Key and identify data successfully saved!
Reading the DVD key was successful!
The DVD key matches the previously read DVD key.
Old DVD key: 3E7F6A3BBB4ECC559876234F2E5DFF1D
New DVD key: 3E7F6A3BBB4ECC559876234F2E5DFF1D

Do you want to read the key again for verification?
Yes
No
```

The file dummy.bin gets automatically generated out of the files key.bin, identify.bin, and inquiry.bin.

### 3.3 BenQ

The original firmware (org.bin) is needed for the iXtreme firmware, this automatically gets copied from the BenQ DVD-drive. The drive should be connected to the SATA-port and the power cord must be plugged in. Follow the on-screen instructions.

```
Dumping the original BenQ firmware (org.bin)...

Connect the drive to SATA and power.
If asked about Magic28, select YES.
If asked to resend MTK Vendor, select YES.
Follow the on-screen instructions now.

Press any key...
```

### 3.4 Samsung/Toshiba

The original firmware (org.bin) is needed for the iXtreme firmware, this automatically gets copied from the Samsung/Toshiba drive. Follow the on-screen instructions.

```
Dumping the original Samsung/Toshiba firmware (org.bin)...

Connect the drive to SATA and power.
If asked to resend MTK Vendor, select YES.
Follow the on-screen instructions now.

Press any key...
```

### 3.5 Successful copying of the DVD-Drive

You now have the option of flashing the DVD-drive (see section 5), or reviewing the Logfile, this can be done by selection Flash DVD-Drive or View Logfile.

```
Ready to flash the DVD-ROM?

Dumping the DVD-ROM was successful!
Spoofing the firmware was successful!

Flash the DVD-ROM
Select Drive/Serial No/SATA-Port again
Show logfile
```

At this point all needed files have been copied to the folder BACKUPS\1234567\12345  
The folder names are determined by your 12-character XBOX 360 serial number.

## 4 Spoofing the Firmware

The spoofing or patching of the firmware happens automatically, no further information is required from the user.

If the Firmware has been properly spoofed then you will see the following screen:

```
Spoofing the iXtreme Lite-On firmware with FirmTool.....

firmtool v1.3.1 by caster420                               [TJ11360MODS]

Drive Key: 3E7F6A3BBB4ECC559876234F2E5DFF1D

Original Firmware Version: Lite-On DG-16D2S 74850C [DummyGen Extract]
Key Location: 0xA030

Hacked Firmware Version: Lite-On DG-16D2S 74850C
Hacked FW Type: iXtreme v1.5 12x

*** SUCCESS ***
Drive key copied.
Drive serial copied.

Your hacked firmware is now ready to be flashed!

Successful!
Press any key...
```

Pressing any key will bring you into the flash-menu (see section 4)

### 4.2 Error

If an error occurs then you will see the following message: „Error: Spoofing the iXtreme Firmware.“

```
Spoofing the iXtreme Lite-On firmware with FirmTool.....

firmtool v1.3.1 by caster420                               [TJ11360MODS]

No valid version found in dummy.bin!!! Program aborted.

Error!
Press any key...
```

Example: Error Message

Now you have two options, either retry copying the Firmware (see section 3) or review the Logfile, this can be done by selecting Retry or show Logfile.

## 5 Flashing the DVD-Drive

### WARNING:

If you format or flash the DVD-drive without having the proper DVD-Key or copying the Firmware beforehand then your XBOX 360 will not be able to play games (original or backup) from DVD anymore. Your XBOX is nothing but an expensive DVD-player without the proper DVD-Key, when flashing your drive you have to be 100% sure that all the listed steps are done properly and in the right order.

### 5.2 Lite-On

Flashing Lite-On DVD-drives require two steps.

#### 5.2.1 Formatting the Drive

This step is very important, the iXtreme Firmware can only be flashed if the drive has been properly formatted beforehand, to do this follow the steps listed on-screen. Pressing ESC will cancel the process and close the program.

```
Erasing the Lite-On firmware...  
  
Connect the drive to SATA and power.  
COM1 does not need to be connected.  
The drive is being erased...  
  
Press any key...
```

#### 5.2.2 Flashing the Drive

Important: Be sure to turn off the Lite-On drive and wait for 1-2 seconds before turning it on again. As soon as the drive is turned on again then you can proceed by pressing any key. Pressing ESC will cancel the process and close the program.

```
Flashing the Lite-On DVD-ROM...  
  
Turn the Lite-On drive OFF and back ON.  
If you are asked about Magic28 or MTK Vendor intro, select N for both.  
Follow the on-screen instructions now.  
  
Press any key...
```

This screen will be showed after a successful flashing procedure.

```
Flashing the Lite-On DVD-ROM...  
Writing Bank 0...OK!  
Writing Bank 1...OK!  
Writing Bank 2...OK!  
Writing Bank 3...OK!  
Writing finished! DataSum: F0A3  
  
Successful!  
Press any key...
```



### 5.3 BenQ

Follow the on-screen instructions. Pressing ESC will cancel the process and close the program.

```
Flashing the BenQ DVD-ROM...

If asked about Magic2B, select YES.
If asked to resend MTK Vendor, select YES.
Turn the BenQ drive OFF and back ON.
Follow the on-screen instructions now.

Press any key...
```

### 5.4 Samsung/Toshiba

To flash the Samsung/Toshiba DVD-drive just follow the on-screen instructions. Pressing ESC will cancel the process and close the program.

```
Flashing the Samsung/Toshiba DVD-ROM...

If asked about Magic2B, select YES. Then turn the Samsung/Toshiba DVD-ROM OFF and
back ON.
Follow the on-screen instructions now.

Press any key...
```

## 6 Final Step

If the DVD-drive has been successfully flashed then you should see the following screen, you now have the option of flashing another XBOX 360 DVD-drive. If any errors occurred during the flashing process then you can repeat the procedure. The Logfile gets saved in the folder BACKUPS\1234567\12345, the folder name depends on the 12-character long serial number (123456712345).

```
Flashing the DVD-ROM was successful!
LOG.TXT
1 File(s) copied.
BACKUPS\1234567\12345\LOG.TXT

Logfile saved! "BACKUPS\1234567\12345\LOG.TXT"
Ready to dump, spoof and flash the DVD-ROM?
The flashing process is completely automatic!

Select Drive/Serial No/SATA-Port again
Repeat the process.
Show logfile
```

This Guide was written by Trancy @ [www.modcontrol.com](http://www.modcontrol.com)

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