Xbox 360 Hard drive Guide

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This guide will inform you on many different aspects on the Xbox 360 hard drive.

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Introduction

This guide will inform you on many different aspects on the Xbox 360 hard drive. We all know the drive is used for storage of Xbox Live content, gamer profiles, themes, game saves, game demos, game trailers and much other content.

I'll explain the folder structure on the hard drive, basically telling you where everything is stored. With a lot of knowledge on this, you could possibly mod the content and add content yourself. Like adding the game saves you have on your Xbox1. Or manually adding the new Halo 2 maps Tombstone and Derelict.

However most of the files are still encrypted by Microsoft's signature (which can't be regenerated), so if you modify the file, the signature will break. This'll result in the file not working on the Xbox 360 anymore.

Also in some files, like a lot of game saves for the Xbox 360, your gamer profile's "profile-id" is encrypted in the game save. This'll result in downloaded game saves that will not work, because they are simply not made on your gamer profile. With some games however you can simply load a game save of someone else and earn all the achievements in one time ;) .

With the release of an official 120GB drive by Microsoft you can now use HDDHacker 0.91 to make your own 120GB or 20GB Xbox360 HDD using a Western Digital Scorpio BEVS-LAT drive. You have to make sure you have a corresponding Western Digital drive or the drive will not work and could even break.

Especially for Core-users, or users who don't own the hard drive casing, this guide also explains how you can internalize the 2.4" hard drive (soldering skills required).

You can lose your warranty on your hard drive if you open the casing. You can also potentially fry a hard drive if you do not connect it properly to a powersource.

Connecting the hard drive to your PC

Connectivity Kit

Xecuter Connectivity Kit:

Xeno Kit:

If you purchase the Connectity Kit from Team-Xecuter or Xeno, you'll receive two adaptor boards.

- Xbox360_ODD_Power_Adaptor_Board
- Xbox360_HDD_Adaptor_Board

The ODD (optical disc drive) power adaptor, is used to connect the 360 dvd-drive to your PC by using a USB cable. It also has a built-in mode-b switch for early Hitachi drives (v36-v59) (for the v78 the mode-b switch will not work, so you will have to use Slax). This kit used to flash Hitachi drives.

The HDD power adaptor(picture below), is used to connect the 360 hard drive to the PC, simply through a USB cable, so now you can hook up your hard drive to your PC without opening your Xbox 360 HDD case in conjunction with freely available software such as Xplorer 360.

X360 SATA>USB

You will only have to use this device if you do not have any SATA!!

The X360 USB is the first device in the world that is designed to convert both the Xbox 360 HDD & DVD to USB. This device can be also used to flash to flash early Hitachi drives (only v36-59!). To connect the hard drive to this device, you have to disassemble the hard drive first (read instructions!). After doing this you'll need a SATA cable that'll go from the HDD to the X360USB and a Molex>SATA power converter to power the HDD. (see picture below). Use the white Molex power connectors in your PC to power the Xbox 360 hard drive, yes this is safe.

Datel XSATA/ Xport

Datel XSATA is a plug-and-play device that sits between your Xbox 360's hard drive and the console itself. There's no need to remove your Xbox 360's hard drive to use it. The PC and the 360 can then 'share' the HDD so it can remain in place at all times. To connect, just plug the supplied cable into the High Speed USB port on the back of XSATA and into any spare USB port on your PC. XSATA is USB 2.0-compatible, so you can expect ultra-fast transfer speeds of up to 480mbps. It looks great too, with a blue laser giving a real cool edge to your console.

Datel XPort for the Xbox 360 comes with a 360 HDD to USB adapter with 360 memory card jack. And an adapter cable from XBOX1 memory card to 360 memory socket. (Adapter does not work on 360 console file locations are different). You are able to quickly copy your content to your pc. I was also able to make a complete backup of my 360 HDD. The Datel XPort 360 seems much more convenient and stable then every other device.

Both devices do not require disassembling the hard drive.

Xeno Top Gear

Xeno Top Gear Features:

- Can transfer all data from the Xbox360 HD to your PC
- After the easy one time only installation, flash your Xbox360 without the need to open it ever again
- Works with all Xbox360 drives that can be firmware-upgraded
- High Quality digital Sata exchange switching
- No soldering required at all = no chance to brick your drive from bad soldering
- Installation is done in just a few minutes
- Built in eject button, 360/PC switch, HDD/PC switch
- High quality Sata Ports
- Superior quality design.of casemodding accessories
- LED version will be available for crystal, smoke colors of Xeno Top Gear
- comes with 360 opening tool for opening the console
- no need for external power supply, Xeno Top Gear is fully powered by the console

This is a very high quality device, but personally I don't like it very much. The chances of you flashing firmware several times is very small. So the only function this device would have for me, is the fact that you can transfer data from your Xbox 360 hard drive to your PC quite easily. For this reason only I would just disassemble the hard drive and connect it myself. Costs @ 0,00$

Molex > SATA

The top picture is a Molex>SATA power adaptor. The bottom picture shows a SATA cable. You can use this Molex>SATA to power your Xbox 360 hard drive, and the SATA cable to connect the hard drive, of course after disassembling the hard drive casing. This is a picture of my HDD connected to my PC using a SATA cable and a MOLEX>SATA cable.

Disassembling the HDD

Watch this video:

http://www.youtube.com/v/F6qV3EiuaHI

Or read the instructions:

You will need T6 and T10 screw drivers, or make your own custom screwdriver like I did, in order to disassemble the hard drive. You will need to unscrew these 4 screws :

After you have unscrewed these 4 screws, you should gently move this bit up until the top shell comes off, after that remove the grey button or it'll fall off.

After that remove the remaining 4 T10 screws. Be carefull with the metal casing, because this material is quite sharp.

After you have unscrewed these screws, disconnect the hard drive from it's connector, and slightly push the hard drive up. While pushing the drive up, you will need to slightly bend the casing, so the hard drive will come out a little easier. Now with the hard drive disassembled you can proceed with connecting it to the PC.

HDD folder list

Content Folders:

Content Location: /partition3/content/0000000000000000/-TITLEID-/-OFFERID-/
Save Location: /partition3/content/-PROFILEID-/-TITLEID-/-OFFERID-/
Music Collection: /partition3/mindex/media/ - The Music files are simply .wma with a custom header.

Content refers to Live Arcade Demos, Themes, Gamerpics, Videos.
Saves refer to the save data for each game.
Music refers to the music collection stored on the hard disk.

The PROFILEID is unique to every profile and is used to link saves to their owner. Saves are stored under each PROFILEID directory.

OFFERID's are basically a version number give to each piece of content or save. Developers can assign different version numbers to their content when it's distributed. OFFERID directories merely keep things organized.

TITLEID's are basically another way of sorting folders. Each game has it's own TITLEID.

Known TITLEID's

Xbox360 Games
545407D4 - Amped3
454107DB - Battlefield 2 MC
555307DB - Blazing Angels
454107DC - Burnout Revenge
415607D1 - Call of Duty 2
545407D2 - College Hoops 2k6
534507D2 - Criminal Origins
544307D1 - Dead Or Alive 4
4B4F07D3 - DW5Empires
454107D2 - EA Sports*
465307D2 - Em Enchant Arm (Japanese Version)
4D5307D4 - Every Party
4D5307F0 - Everyparty (Asian Version)
555307DC - FarCry Instincts Predator
454107D7 - FIFA Soccer 06
454107DE - Fight Night Round 3
53510000 - Final Fantasy XI beta *
534507D1 - Football Manager
534507D5 - Full Auto
555307D5 - Ghost Recon Advanced Warfighter
415607D3 - Gun
534307DB - Hitman: Blood Money
4D5307D2 - Kameo
555307D3 - KingKong

434307D3 - LostPlanet
4E4D07D6 - Love Football (Japanese Version)
545407D3 - MLB 2k6
545407E2 - NBA 2k6
454107D9 - NFS:MW
545407E3 - NHL 2k6
4D5307DB - Ninety Nine Nights (Japanese Version)
4D5307D3 - Perfect Dark Zero
4D5387DA - Perfect Dark Zero Bonus Disc (comes with the Limited Edition)
4D5307D1 - PGR3
415607D6 - Quake 2
415607D2 - Quake 4
4E4D07D3 - Ridge Racer 6
4B4E07D1 - Rumble Roses XX
545407DF - Table Tennis
434107D2 - Tetris Grand Master Ace (Japanese Version)
425307D1 - The Elder Scrolls IV: Oblivion
454107D6 - Tiger Woods PGA TOUR06
415607D4 - Tony Hawks American Wasteland
545407D5 - Top Spin 2
544F07D1 - Zoids (Japanese Version)

Xbox360 Arcade

584107F2 - Astropop
584107EC - Bankshot Billiards 2
584107D2 - Bejewled2
584107E7 - Cloning Clyde
584107EE - Crystal Quest
584107F1 - Feeding Frenzy
58410813 - Frogger
584107DF - Gauntlent
584107ED - Geometry Wars
584107E2 - Hardwood Backgammon
584107D3 - Hardwood Hearts
584107E4 - Hardwood Spades

584107D1 - Hexic HD
584107EA - Jewel Quest
584107D8 - Joust
584107D7 - Marble Blast
584107DA - Mutant Storm Reloaded
584107DB - Outpost Kaloki X
584107E0 - Robotron:2084
584107E1 - SmashTV
584107F3 - UNO
584107DD - Wik: Fable of Lost Souls
584107EF - Zuma

Other/Xbox1 Games

4143000A - ATV Quad Power Racing 2
4D530051 - Conker: Live & Reloaded (although it's not BC)
4D53000D - Fable (not the Lost Chapters Platinum Hits version)
54540082 - GTA: San Andreas
4D530004 - Halo
4d530064 - Halo 2
5553000C - Splinter Cell
55530019 - Splinter Cell: Pandora Tomorrow
55530041 - Splinter Cell: Chaos Theory
45410091 - Half-Life 2

Check here for more backwards compatible Xbox IDs.

FFFE07D1 - 360 Dashboard
FFFE07DF - the iPod support file

The only OFFERID's that always remain the same are the ones assigned to themes/gamerpics/videos.

00020000 - Gamerpics
00030000 - Themes
00080000 - Demos
00090000 - Videos

These items are located in: /partition3/content/0000000000000000/-DASHBOARD_TITLEID-/-OFFERID-/

Internalizing an Xbox 360 HDD

If you have an Xbox 360 without a hard drive, and you'd like either a 20GB or a 120GB HDD, of course for a reasonable price, you really have to get a hard drive not certified by Microsoft.

With the release of an official 120GB drive by Microsoft you can now use HDDHacker 0.91 to make your own 120GB or 20GB Xbox360 HDD using a Western Digital Scorpio BEVS-LAT drive. You have to make sure you have a corresponding Western Digital drive or the drive will not work and could even break.

So after you have purchased a WD 20GB or 120GB, you first have to prepare it with HDDHacker 0.91.

[HDDHacker 0.91](#)

How to use HDDHacker 0.91

Get yourself a Western Digital SATA BEVS-LAT HDD. To use this tool, you need either a 20GB HDD security sector file or a 120GB HDD security sector file ('hddss.bin'). Both 20GB and 120GB HDD security sectors files are in the download of HDDHacker 0.91.

You can use bigger HDD's, but you can't use more than the size stated in sector 16. You can NOT use smaller HDD's than the size on sector 16 states. For example, you can use a 40 GB HDD with a sector 16 from a 20 GB HDD (and the drive will be 20GB!), but not the other way around.

You can find out if your BEVS drive is a LAT drive by looking at the sticker of the drive, in the model name. For example: WD1200BEVS-60LAT0

- Modding your Western Digital
Boot to dos from a writeable medium (like a floppy) and make sure HDDHACKER is copied over to the bootable medium (ie bootable USB pen drive / floppy). Connect the drive you want to prepare to your SATA controller. Make sure it is the only SATA device that is connected. Type 'hddhackr -f' from the same path you have copied the hddss.bin file to. For example copy the 20GB or 120GB "hddss.bin" over to A:\hddss.bin, then in DOS you'd have to type in A:\> 'hddhackr -f'. This will flash your FW. It will ask if you want to create an undo file. It is advised to do so. This will create an 'undo.bin' file that you need if you want to undo the hack.

- Check if it worked
Shut down your pc, reboot again to dos and again type 'hddhackr -f'. It should now tell you that the drive should work in your x360. If so, connect it to your x360 and go to your dashboard/system/memory where you should be able to format the drive.

- Restoring your WD to original state
If you don't want to use your modded WD in your x360 anymore and you want to flash it back to its original size, then you can now do so. Boot to dos again and run 'hddhackr -u'. This will use the undo.bin file you created before to restore the drive to its original state.

After preparing your Western Digital hard drive, it should now work in an Xbox 360. The next step is the internalization of the hard drive. This takes paying a lot of attention to what you are doing, because it requires soldering and also quite a few wires have to be soldered.

The process of internalization:

Basically you are just going to customize a Molex>SATA power connector and a SATA cable, to connect your hard drive to your Xbox 360, since you do not have a hard drive casing.
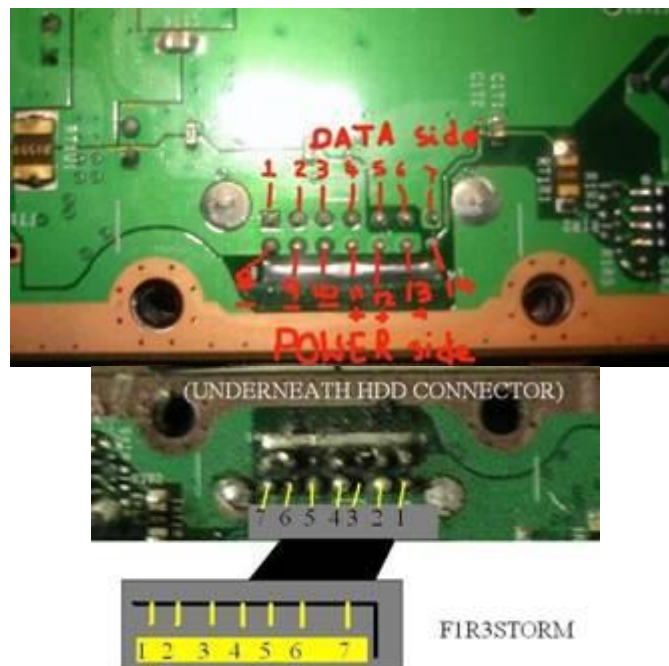

After you have cut open the SATA cable, you'll find 8 wires. Twist the two middle wires together. Now label the wires from 1-7. Be carefull number 7 must be the drop!!! This is the wire on the side!!

After that cut down the yellow and black wires which are 12volts. The red and black are 5 volts and these are what the HDD will use. (See picture below)

Now you'll need this scheme to solder the wires correctly to the HDD connector on the bottom side of the motherboard, where the HDD normally connects. Pin # 14 isn't used so DO NOT SOLDER ANYTHING TO IT!!!!!!!. pick one + (11,12,13) and one – (8,9,10)

Be sure to solder the wires to the correct points as labeled in both pictures, and do not bridge any solder points, or you might brick your Xbox 360.

If you have soldered everything properly, you will have to guide the wires through this spot:

You might even have to cut the little piece of plastic on the left side of your fan so that the fan can fit in.

After that it is highly recommended placing the hard drive on top of the DVD drive. Look on the picture below how to place the hard drive. Also put some duck tape on both sides of the panels, so the drive stops moving.

You now have your hard drive internalized!

Upgrading from 20GB to 120GB

With the release of an official 120GB drive by Microsoft you can now use HDDHacker 0.91 to make your own 120GB Xbox360 HDD using a Western Digital Scorpio BEVS-LAT drive. You have to make sure you have a corresponding Western Digital drive or the drive will not work and could even break.

So after you have purchased a WD 120GB, you first have to prepare it with HDDHacker 0.91.

How to use HDDHacker 0.91

Get yourself a Western Digital SATA BEVS-LAT HDD. To use this tool, you need a 120GB HDD security sector file ('hddss.bin'). Both 20GB and 120GB HDD security sectors files are in the download of HDDHacker 0.91.

You can use bigger HDD's, but you can't use more than the size stated in sector 16. You can NOT use smaller HDD's than the size on sector 16 states. For example, you can use a 140 GB HDD with a sector 16 from a 120 GB HDD (and the drive will be 120GB!), but not the other way around.

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Boot to dos from a writeable medium (like a floppy) and make sure HDDHACKER is copied over to the bootable medium (ie bootable USB pen drive / floppy). Connect the drive you want to prepare to your SATA controller. Make sure it is the only SATA device that is connected. Type 'hddhackr -f' from the same path you have copied the 120GB hddss.bin file to. For example copy the 120GB "hddss.bin" over to A:\hddss.bin, then in DOS you'd have to type in A:\> 'hddhackr -f'. This will flash your FW. It will ask if you want to create an undo file. It is advised to do so. This will create an 'undo.bin' file that you need if you want to undo the hack.

- Check if it worked

Shut down your pc, reboot again to dos and again type 'hddhackr -f'. It should now tell you that the drive should work in your x360. If so, connect it to your x360 and go to your dashboard/system/memory where you should be able to format the drive.

- Restoring your WD to original state

If you don't want to use your modded WD in your x360 anymore and you want to flash it back to its original size, then you can now do so. Boot to dos again and run 'hddhackr -u'. This will use the undo.bin file you created before to restore the drive to its original state.

After preparing your Western Digital hard drive, it should now work in an Xbox 360. You have successfully upgraded your hard drive.

Xplorer360

Roofus and AngerWound of 360GameSaves.com released an application to access the Xbox (1) and Xbox 360 HDD (all 3 partitions), Memcard or dumps of these, with full write support!

Too many features to list but here are a few:

- FULL Read/Write to Xbox HDDs.
- FULL Read/Write to Xbox 360 HDDs.
- FULL Read/Write to Xbox 360 Memory Units.
- Physical and Logical drive access.
- Support for opening of dumps of both devices.
- Backup/Restore dump options.

First you need to have your hard drive connected to your PC. After that open up Xplorer360 and click "drive > open > harddrive or memcard"
It should now display all the 3 partitions of the Xbox 360 HDD. You can easily make a backup of your drive by clicking "drive > backup image".

Just as easily as restoring onto your drive, for example when upgrading from 20GB to 120GB. Copy all the content from partition 3 on the 20GB, to the 120GB.

Download

How to transfer Xbox 1 saves to the Xbox 360

First you will need an xbox 1 save that you'd like to transfer to your Xbox 360. These can be found on the [Codejunkies web site](#) or on your Xbox 1. If you transfer your saves from your Xbox1 it's highly recommended transferring all the gamesave content in one time.

Getting the Xbox 1 saves off the xbox.

Getting the saves using Action Replay

1. plug your Action Replay Card into your Xbox 1
2. copy the saves onto the card
3. unplug the card
4. connect the card to your PC via the usb adapter
5. open the Action Replay software
6. copy the saves to the middle column (drag and drop)
7. copy the saves from the middle column onto your desktop (drag and drop)
8. the file will appear as a ".Zip" decompress it in to a folder
9. open the folder and you should see a folder called UDATA and TDATA

You now have access to the Xbox 1 saves

Getting the saves using FTP-access

1. turn on your xbox 1
2. establish FTP link from your PC to your Xbox 1
3. navigate to the saves folder the one with TDATA and UDATA in it
4. Now copy over the TDATA and UDATA folders on your xbox 1 to your desktop

You now have access to all your old Xbox 1 game saves.

Now connect your 360 hard drive to your PC.

Putting the saves on your Xbox 360 harddrive

1. once you have connected your 360 hard drive your PC open up Xplorer 360
2. click on the drive menu
3. click on open
4. click on Harddrive or Memcard
5. the hard drive will then be displayed as 3 partitions in the left hand column
6. click on partition 3
7. click on compatibility
8. click on xbox 1
9. Now right click and select insert folder, now select your TDATA folder and it'll start injecting.
10. Proceed to inject the UDATA folder as well.

You now have all your xbox saves copied to your 360 harddrive.

(Note: If you'd like to copy over 1 seperate xbox 1 gamesave, just inject the folder name with all the numbers and letters into the corresponding folder on your 360 harddrive(TDATA or UDATA). If you are not sure, just copy the save folder (for example: 45d300000064) into both folders.)

Requirements

- Xbox1 with FTP-access or Action Replay
- A way to connect your 360 harddrive to your PC (Check Tutorials)
- Xplorer360

Xplorer360 Download