

How to made a DOS Bootable USB Stick and flash your Vbios

Please note: The Vbios is for VAPOR-X HD5770 1G GDDR5 PCI-E DUAL DVI-I / HDMI / DP OC VERSION.

Before doing this, please backup your original USB stick files



- Unzip "68.rar" file. You can see as follow picture
- Here is the file link: <u>http://www.sapphiretech.com/global/lib_files/68.rar</u>





- Connect your USB stick and perform the HPUSBFW program
- Check your USB stick has been detected.

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FAT32	*
/olume jabel	Check your USB disk dete
Create a DOS s	atartup disk al MS-DOS system files system files located at:



FAT 32 Volume Jabel Format options Quick Format Tick this Enable Compression	
Format options Quick Format Enable Compression	
Format options Quick Format Tick this Enable Compression	
 Create a DOS startup disk using internal MS-DOS system files using DOS system files located at: 	



HP USB Disk Storage Format Tool, V2.1.8	
<u>D</u> evice	
SanDisk U3 Cruzer Micro 6.51 (984 MB) (G:\) 🔹	
<u>F</u> ile system	
FAT32	
Volume label	
Format options	
📝 Quick Format	
Enable Compression	
🗹 Create a DOS startup disk	
🔘 using internal MS-DOS system files	
using DOS system files located at:	
Assign the DOS system files path	
<u>Start</u> <u>C</u> lose	



 Assign the "DOS files" path from your USB FORMA folder

D	New Folder	
Þ	New Folder (2)	
D	SAP TW	
E.F	Shortcut folder	
4	USB FORMAT	
-	DOS Files	le
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<u>D</u> ev	ice
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<u>F</u> ile	system
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Fo	Quick Format V Enable Compression Create a DOS startup disk Create a DOS startup disk V using internal MS-DOS system files using DOS system files located at: C:\Users\ericlin.SAPPHIRE-TWDC01\Deskt
	Format your USB disk



After format your USB Stick you will see this information





- Unzip file and open the flash folder. You will see the file as below link –
- <u>http://www.sapphiretech.com/archive/drivers/Vapor-X_HD5770_VBIOS_update_63397338740766</u> <u>1250.zip</u>
- Card SKU:11163-00 ; Card P/N : 288-7D132-000SA , Card memory : Samsung

Computer Removable Disk (F:) VPHD5770_V	BIOS	- +	05770_VBIOS	× P
Organize Share with ATi flash tool boot boot Desktop Ghost HD5970OC_VBI John Chu work Nero Burning F PowerDVD TSAF Photo Vista SP2 VPHD5770_VBI XP patch 4 items	Date modified 12/25/2009 10:09 11/20/2009 5:58 PM 11/20/2009 5:54 PM 12/25/2009 10:47 s to your USB stick	Type S43 File CHG File Application Windows Batch File	■ ■ ▼ Size 128 KB 6 KB 1,832 KB 1 KB	0

Step-9



 Save these files into your USB stick directly and reboot your system again through this USB Stick

🐚 Organize 👻 📗 Views 💌 🚳 Bu	im i			0
Favorite Links Documents Music Recently Changed More >> Folders Folders Eric Lin Fublic Computer Computer Computer Computer Control Public (C:) CD Drive (F:) U3 System Removable Disk (G:) FAE HD (\twfile01) (X:) FAE HD (\twfile01) (Z:) Network Control Panel Control Panel	× *	Name 132X1S6.S43 atiflash.chg atiflash flash Reboot your sy stick as primary	stem again and set your USB / boot disk	
🖅 Recycle Bin	-	* m		,



 Enter motherboard bios setting menu and select"Advanced BIOS Features"

CMOS Setup Utility - Copyright	(C) 1984-2008 Award Software
 MB Intelligent Tweaker(M.I.T.) Standard CMOS Features Advanced BIOS Features Integrated Peripherals Power Management Setup PnP/PCI Configurations PC Health Status 	Load Fail-Safe Defaults Load Optimized Defaults Set Supervisor Password Set User Password Save & Exit Setup Exit Without Saving
Esc : Quit †↓++: Selec F8 : Q-Flash F10 : Save a Miscellameous B1	t Item F11 : Save CMOS to A & Exit Setup F12 : Load CMOS from IOS Features



• Looking for "Hard Disk Boot Priority" and select it.

UMA Frame Buffer Size	[UNA] [512MR]	Item Hel;
Surround View Onboard VGA output conne	[Disabled] ct[D_SUBZDUI]	Menu Level 🕨
Init Display First Virtualization AMD K8 Cool&Quiet contro Hard Disk Boot Priority First Boot Device Second Boot Device Third Boot Device Password Check HDD S.M.A.R.T. Capability Away Mode	[PCI Slot] [Enabled] [Enabled] [Auto] [Press Enter] [CDROM] [Hard Disk] [Disabled] [Setup] [Disabled] [Disabled]	Select Hard Dis Device Priority.



 Change your first hard disk boot priority to your USB stick name, save and reboot again. It will automatically enter DOS mode.





• You will see this screen shot as follow

						Constant State			Contraction of the local division of
0 0 0 0 0 0 0 0 0 1 1	17 18 18 19 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	0 0 1 2 0 1 2 0 1 2 5 0 1	1002 1002 1002 1002 1002 1002 1002 1002	4390 4397 4398 4396 4397 4398 4396 4385 4396 4385 4390 4383 4399 9490 6038	1458 1458 1458 1458 1458 1458 1458 1458	B002 5004 5004 5004 5004 5004 5004 4385 5002 A022 5004 E100 0038	0101 9C03 9C03 9C03 9C03 9C03 9C03 9C03 9C05 9101 9403 9C03 9300 8403	Native IDE Cntrlr USB 1.1 Host Cntrlr USB 1.1 Host Cntrlr USB 2.0 Host Cntrlr USB 1.1 Host Cntrlr USB 1.1 Host Cntrlr USB 1.1 Host Cntrlr USB 2.0 Host Cntrlr SMBus Cntrlr IDE Cntrlr Multimedia Device USB 1.1 Host Cntrlr Display Cntrlr Multimedia Device	1 11 10 10 3 NA 14 5 10 10 10
1 1 2	0 0 9	0 1 0	1002 1002	9490 AA38 8168	174B 174B 174B	E100 AA38	0300 0403 0200	Display Cntrlr Multimedia Device	10 10 3
3	14	0	104C	8024	1458	1000	0000	IEEE 1394 Host Cntrlr ACPI Controller	16 11 9
Boot	fron	CD/D	VD :						
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C :\)	•							Aal	
							R	T I	
					Auto	0 0			3

Step-14



 Type "flash" command as follow and it will automatically flash for you.

C:\VPHD57~1>dir

Volume in drive C has no label Volume Serial Number is B4E2-D0F2 Directory of C:\VPHD57~1

<dir> 12-25-09 10:4</dir>	ra
132X1S6 S43 131,072 12-25-09 10:0	9 a
ATIFLASH CHG 6,130 11-20-09 5:5	8p
ATIFLASH EXE 1,875,456 11-20-09 5:5	4p
FLASH BAT 55 12-25-09 10:4	7a
4 file(s) 2,012,713 bytes	
2 dir(s) 2,608.98 MB free	

C:\VPHD57~1>flash_



• After flash your vbios and reboot, please reinstall card driver and reboot again.



Check the SP



I TechPower	Up GPU-Z 0.3.8	Smith
Graphics Card	Sensors Validation	698
Name	ATI Radeon HD 5700 Series	
GPU	Juniper Revision N/A	
Technology	40 nm Die Size 170 mm ²	
Release Date	Oct 13, 2009 Transistors 1040M	
BIOS Version	VER012.013.000.001.034705	
Device ID	1002 - 6888 Subvendor Sapphire/PCPartner (1748]
ROPs	16 Bus Interface PCI-E 2.0 x16 @ x8 2.0	
Shaders	800 Unified DirectX Support 11.0 / SM5.0	-
Pixel Fillrate	13.8 GPixel/s Texture Fillrate 34.4 GTexel/s	
Memory Type	GDDR5 Bus Width 128 Bit	
Memory Size	1024 MB Bandwidth 76.8 GB/s	
Driver Version	atiumdag 8.14.10.0716 (Catalyst 9.12) / Win7 64	
GPU Clock	860 MHz Memory 1200 MHz Shader	
Default Clock	850 MHz Memory 1200 MHz Shader	
ATI CrossFire	Disabled	-
Computing	OpenCL CUDA PhysX DirectCompute 5	.0
ATI Radeon H	D 5700 Series Close	