

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

Please note: The Vbios example is for VAPOR-X HD7950 3G GDDR5 PCI-E DL-DVI-I+SL-DVI-D / HDMI / DP OC WITH BOOST series. 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	*
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Create a DOS s	tartup disk al MS-DOS system files system files located at:



SanDisk U3 Cruzer Micro 6.51	(984 MB) (G:\) 👻
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Quick Format Quick Format Enable Compression Create a DOS startup disk using internal MS-DOS using DOS system files	k this i system files s located at:



HP USB Disk Storage Format Tool, V2.1.8	
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SanDisk U3 Cruzer Micro 6.51 (984 MB) (G:\) 🔹	
<u>F</u> ile system	
FAT32	
Volume label	
Format options	
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Enable Compression	
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🔘 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	
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D	SAP TW	
E.F	Shortcut folder	
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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



Step-8



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

ganize 🔻 Share with 🔻 Burr	New folder			
Favorites	Name	Date modified	Туре	Size
Sesktop	21020CH0.V4A	2012/9/27 下午 01:	V4A File	64 KB
〕 Downloads	21020CH0.V49	2012/9/27 下午 01:	V49 File	64 KB
🕮 Recent Places	i atiflash	2012/8/21 下午 09:	Application	656 KB
	Dual VBIOS switch position	2012/10/23 下午 0	JPEG image	1,128 KB
📙 Libraries 🕴	🚳 flash bios1	2012/10/23 下午 0	Windows Batch File	1 KB
Documents	🚳 flash bios2	2012/10/23 下午 0	Windows Batch File	1 KB
👌 Music	VBIOS1_V49	2012/10/23 上午1	JPEG image	914 KB
E Pictures	VBIOS2_V4A	2012/10/23 上午1	JPEG image	889 KB
Videos				
Computer				
Local Disk (C:)				
Data (D:)				
DVD RW Drive (E:) EDGE VS - V00				
Removable Disk (Fr)				

Step-9



 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 †↓++ : Select F8 : Q-Flash F10 : Save &	: Item F11 : Save CMOS to Exit Setup F12 : Load CMOS from
Miscellameous Bl	OS Features



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

Internal Graphics Mode [UMA Frame Buffer Size [UMA] 512MB1	Item Hel
Surround View	Disabled]	Menu Level 🕨
Init Display First Virtualization AMD K8 Cool&Quiet control [] 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] 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.





- See below photo to make sure the board will boot with the VBIOS1.
- The Sapphire logo light would not turn on , that means we are in VBIOS1 to boot up.





Then boot into pure dos mode and you will see this screen shot as slow -

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17 18 18 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	0 1 2 0 1 2 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 0 0 1 2 0 0 1 2 0 0 1 2 0 0 1 1 2 0 0 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 2 0 0 1 2 0 0 1 1 2 0 0 1 2 0 0 1 2 0 0 1 2 0 0 1 2 0 0 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 2 0 0 1 2 0 0 1 1 2 0 0 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 1 2 0 1 1 1 2 0 0 1 1 2 0 0 1 1 2 0 1 1 2 0 0 1 1 2 0 1 1 2 0 1 1 1 2 0 1 1 1 2 0 1 1 1 1	1002 1002 1002 1002 1002 1002 1002 1002	4390 4397 4398 4396 4397 4398 4396 4385 4396 4385 4390 4383 4399 9490 AA38 8168 8024 ta	1458 1458 1458 1458 1458 1458 1458 1458	B002 5004 5004 5004 5004 5004 5004 4385 5002 6022 5004 E100 A38 E000 1000	0101 0C03 0C03 0C03 0C03 0C03 0C03 0C03	Native IDE Cntrir USB 1.1 Host Cntrir USB 1.1 Host Cntrir USB 2.0 Host Cntrir USB 1.1 Host Cntrir USB 1.1 Host Cntrir USB 1.1 Host Cntrir USB 2.0 Host Cntrir SMBus Cntrir Multimedia Device USB 1.1 Host Cntrir Display Cntrir Multimedia Device Network Cntrir IEEE 1394 Host Cntrir ACPI Controller		11 5 5 11 10 10 3 NA 14 5 10 3 10 11 9
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 Type "flashb~1" command as follow and it will automatically flash the VBIOS1

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	<d< td=""><td>IR></td><td>10-23-12</td><td>5:14n</td></d<>	IR>	10-23-12	5:14n
21020CH0	V49	65.536	N9-27-12	1.34n
21020CH0	V4A	65.536	N9-27-12	1.34p
ATIFLASH	EXE	671.744	R-21-12	9:41n
DUALVB~1	JPG	1.154.944	10-23-12	4:39n
FLASHB~1	BAT	29	10-23-12	4:45p
FLASHB~2	BAT	29	10-23-12	4:46p
VBIOS1~1	JPG	935,158	10-23-12	10:34a
VBIOS2~1	JPG	909,591	10-23-12 1	0:34a
	8 file(s) 3,8(02,567 byte	S
	2 dir(s)	448,38	89,120 byte	s free
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C · \ 200_2	F~1\ATLEL	ASH>flashb [^]	1	



• After flash your Vbios1, please shutdown your system.

C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH>flashb~2 C:\299-2E~1\ATIFLASH>atiflash -p 0 21020CH0.V4A -f 01d SSID: 3000 New SSID: 3000 Old P/N: 113-210P2EL-X08 New P/N: 113-210P2HY-V0A Old DeviceID: 679A New DeviceID: 679A Old Product Name: Tahiti B0 PROH2 C38613 GDDR5 3CB 500e/150m New Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150m Old BIOS Version: 015.025.000.099.000000 New BIOS Version: 015.025.000.099.000000 Flash type: M25P10/c 10000/10000h bytes programmed 10000/10000h bytes verified Restart System To Complete VBIOS Update. C:\299-2E~1\ATIFLASH>



- Press the Dual BIOS switch button before booting up your system.
- See below photo to make sure the board will boot with the VBIOS2.
- The Sapphire logo light would turn on , that means we are in VBIOS2.





Then boot into pure dos mode and you will see this screen shot as slow -

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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17 18 18 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	0 1 2 0 1 2 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 5 0 1 2 0 1 1 2 0 0 1 2 0 1 1 2 0 0 1 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 0 0 1 1 2 0 0 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 0 1 1 1 2 0 1 1 1 1	1002 1002 1002 1002 1002 1002 1002 1002	4390 4397 4398 4396 4397 4398 4396 4385 4396 4385 4390 4383 4399 9490 AA38 8168 8024 ta	1458 1458 1458 1458 1458 1458 1458 1458	B002 5004 5004 5004 5004 5004 5004 4385 5002 6022 5004 E100 AA38 E000 1000	0101 0C03 0C03 0C03 0C03 0C03 0C03 0C03	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 Network Cntrlr IEEE 1394 Host Cntrlr ACPI Controller		11 5 5 11 10 3 NA 14 5 10 10 3 10 11 9
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- Type "flashb~2" command as follow and it will automatically flash the VBIOS2 for you.
- After flash your Vbios2, please reboot your system and finish all the steps.

C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH> C:\299-2E~1\ATIFLASH>flashb~2 C:\299-2E~1\ATIFLASH>atiflash -p 0 21020CH0.V4A -f 01d SSID: 3000 New SSID: 3000 Old P/N: 113-210P2EL-X08 New P/N: 113-210P2HY-V0A Old DeviceID: 679A New DeviceID: 679A Old Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150m New Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150m Old BIOS Version: 015.025.000.099.000000 New BIOS Version: 015.025.000.099.000000 Flash type: M25P10/c 10000/10000h bytes programmed 10000/10000h bytes verified Restart System To Complete VBIOS Update. C:\299-2E~1\ATIFLASH>