

Flash BIOS by EFI Shell

Prepared by MSI NB FAE Team | Version: 2.1 | Date: 2015/01/21



IMPORTANT!

Only update your BIOS if system is unstable, or bug fixes provided correspond to your needs. Flashing the BIOS incorrectly has risk to brick your system. See to it that the guide will be followed step-by-step.

Things to prepare:

- USB Flash Drive
- Laptop/NB system
- NB default power supply
- Internet connection

Part 1: Creating EFI Bootable Flash Drive

Procedures:

- 1. Connect your USB flash drive to your computer and format it with FAT32.
- 2. Please visit this page to download the tool to create the EFI bootable USB flash drive. http://download.msi.com/nb_drivers/ap/efi_auto.zip
- NOTE: If you want to execute manually, please refer the manual in the following link. <u>http://www.msi.com/files/pdf/Win8_BIOS_Update_Step_by_Step_Guide.pdf</u>

3. Save the file to your Desktop.

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 Libraries Documents Music Pictures Videos 	•	E1762IMS.50R Compressed (zipped) Folder			
File name:	efi auto				~
Save as type:	Compressed (zippe	d) Folder			~
) Hide Folders				Save Cancel	



4. Extract the files from EFI-AUTO.ZIP to the root directory of your USB drive (should be formatted to FAT32).

efizip - WinRAR (evaluation copy)							
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		Data (D:)					
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Note1: Please place the EFI folder to the correct path, or it will not be bootable correctly.

Note2: The following files should be in X:\EFI\BOOT (replace X with the dive letter of your USB drive):

Bootx64.efi Shellx64.efi Shell.efi

startup.r	۱sh
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Area	Name	Date modified	Type	Size		
Pavorites Desktop		2/14/2012 2/22 014	cra cu	001 1/0		
Downloads	Bootx64.efi	2/14/2012 3:53 PM	EFIFIC	881 KB		
Secent Places	Shelly 64 of	2/14/2012 3:55 PM	EFIFIC	773 ND		
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Libraries	startup.nsn	1/18/2013 11:32 A	NSH File	2 NB		
Documents						
A Music						
S Pictures						
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le Computer						
b OS_Install (C:)						
🥪 Local Disk (D:)						
iga Data (E:)						
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DVD RW Drive (I:) CE						
Removable Disk (J:)						
🕵 Network						

5. Now you have successfully created a bootable EFI Flash Drive.



Part 2: Flashing Win8 UEFI BIOS

1. Visit MSI official website and download the corresponding Win8 BIOS of your system.

http://www.msi.com/product/nb/GT70-0NE.html#/7div=BIOS	,р - с x	MSI Global - Notebook - GT	TO ONE X			
			•			
	· Overview ·	Specification Downloa	 News & Awards 	• Where to Buy •	FAQ	
	BIOG					-
	BIOS					
	E Special Not	e:				
	The BIOS files pr	ovided here are exclusive only fo	r MSI-branded Notebook PCs (and not compatible with any I	/Si Whitebook/Whitebrand barebones. MSI takes no responsibility	
	for any damage	caused by improper use or lack of	fechnical expertise.			
	Users who down	niced BIOS from here (not using L	ive Update) should use the fla	sh utility included in the dow	toaded compressed file when doing the BIOS update. To avoid	
	BIOS update fail	ire, please do not use older versio	ins of the update utility or utilit	ies not provided by MSI.		
	1) a. To know a b. To know a	bout how to update BIOS und bout how to update BIOS und	er DDS mode, please click er windows 7, please click	here. here. (Only for CR640 / C	(640 / CX64011X / CX480)	
	2) Please exec	ute "flash.bal" file after unpac	k the compressed file for	upgrade BIOS.		
	We summed usin	Chrome Frains 10 or E 50 ab	nue brewages to developed D	DS Drivers alc		
	Description	 Fix S4 resume from O Improve camera perfo Added support for Net 	DD Issue mance. dia GTX680M.	Version	70R	
	Type	BIOS		Release Date	2012-07-11	
	Download	E1762IMS.70R.ZIP		File Size	2.76 MB	
	Note	For "NON-RAID" System	ns use only.			
	2					
	Description	 Fix S4 resume from O Improve camera perfo Added support for NM 	DD issue rmance. dia GTX680M.	Version	50R	
	Туре	BIOS		Release Date	2012-07-11	
	Download	E1762IMS.50R.ZIP		File Size	2.76 MB	
	Note	For "RAID" Systems use	e only.			
	-					
	About MSI	News & Media	Products	Service		
	* Brand Story	 Awards 	Alis-One PC		msi+	

6. Extract the downloaded BIOS to the folder EFI\BOOT\ for later use.

Note: The USB drive is the same drive used in Part 1.

E1762IMS.50R.rar - WinRAR		📕 💆 🕅 📼		E	OOT				
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Add ExtractTo Test View Delete Find Wizard Info VirusScan Comment Protect	SFX	🚖 Favorites	Name	Date modified	Туре	Size			
E1762IMS.50R.rar\E1762IMS.50R - RAR archive, unpacked size 8,721,051 bytes	v	E Desktop	Bootx64.efi	2/14/2012 3:53 PM	EFI File	881 KB			
Nama Site Darked Tune Modified (DC32		🚂 Downloads	Shell.efi	2/14/2012 3:53 PM	EFI File	775 KB			
File folder		W Recent places	Shelb:64.efi	2/14/2012 3:53 PM	EFI File	881 KB			
AfuEfx64.efi 332.400 99.102 EFI File 8/17/2012 12:1 C20F04E5			C startup nsh	1/18/2013 2-35 PM	NSH File	2 KR			
E1762IMS.50R 8,388,608 2,696,897 50R File 10/26/2012 3:4 CDC380FD		libraries	AfuEfot64.efi	8/17/2012 1:18 PM	EFI File	325 KB			
FLASH.nsh 43 43 NSH File 10/26/2012 4.2 779BC885		- Documents	E1762IMS.50R	10/26/2012 4:46 PM	50R File	8,192 KB			
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 Please go to [Control Panel > Hardware and Sound > Power Options], and select [Choose what the power button does].



3. Select [Change settings that are currently unavailable] first, and uncheck [Turn on fast startup (recommended)]. Select [Save changes] to continue.

S		System Settings					
(e) → ↑ (a) > Control Panel → Hardware and Sound → Power Options → System Setting	ings				v c	Search Control Panel	Q
Defi	ne power buttons and turn c	on password protection					
Choo	se the power settings that you want f	for your computer. The changes	you make to the s	ettings on this			
2 10	hange settings that are currently una	rvailable					
Powe	er button and lid settings						
		On battery	Plug	ged in			
0	When I press the power button:	Sleep 🗸	Sleep	~			
4	When I close the lid:	Sleep v	Sleep	v			
Passv	word protection on wakeup						
Shut M	Inters you compute water from the password to unloss the computer. Den't require a password When your computer wakes from sle locked. Jown settings Turn on fast startup (recommended This helps start your PC faster after sl Sleep Show in Power menu. Hibernate Show in Power menu. Lock Show in account picture menu.	eeg, no one can access your day eeg, anyone can access your day eeg, anyone can access your dat ed) huldown. Restart isn't affected.	a because the com	puter ion't			
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Note: If you want to use the fast startup function, you can go back here to check it on again after the BIOS is updated.



4. If above steps are finished, please shut down the system directly.



5. Power up your NB by plugging in power adapter. Make sure that NB is running AC power during the entire BIOS update process.





6. Power on NB and continue pressing [DEL] once MSI logo is displayed, until you are prompted to BIOS screen. See figure below:



System Date System Time

SATA Information

System Information

[Tue 10/30/2012] [18:12:01]

++: Select Screen
f↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F9: Optimized Defaults
F10: Save & Reset
ESC: Exit

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7. Under Security tab, look for the option [Secure Boot] and set it to [Disabled].



8. Press [F10] to save and exit.





9. After system restarts, press function key [F11] to enter boot device menu. Select your USB device by pressing the arrow up/down key, then press enter.



Please select boot device:

UEFI: General USB Flash Disk 0.00 UEFI: Network IPv4 Device UEFI: Network IPv6 Device

↑ and ↓ to move selection ENTER to select boot device ESC to boot using defaults



10. During the booting procedure, the system will prompt you whether if you want to update the BIOS. You can press [q] to exit, or press any key to start updating.



11. Once BIOS flashing is done, type the command [reset] then press enter.

10/26/12 04:28p	43 F	LASH.NSH	
10/26/12 04:28p	47 F	LASH_ME.NSH	
4 File(s) 8,72:	.,098 bytes		
2 Dir(s)			
保存屏幕			
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AMT Firm	uare Undate Util	110 03 03 00	
Conuciant (C)2012 Ar	merican Medatren	ds Inc. All Rights Res	erved I
+			+
Reading flash	done		
– ME Data Size checking .	ok		
Secure Flash enabled, reca	alculate ROM siz	e with signature	
– FFS checksums	ok		
Loading capsule to secure	memory buffer .	done	
Erasing Boot Block	done		
Updating Boot Block	done		
Verifying Boot Block	done		
Erasing Main Block	done		
Updating Main Block	done		
Verifying Main Block	done		
Erasing NVRAM Block	done		
Updating NVRAM Block	done		
Verifying NVRAM Block	done		
Erasing NCB Block	done		
Updating NCB Block	done		
Verifying NCB Block	done		
fs4:\E1762IMS.50R> r <u>eset_</u>			



12. Once the system restarts and BIOS POST logo appears, press [DEL] to enter BIOS set-up. Afterwards, press function key [F9] to load BIOS optimized defaults. Then followed by pressing function key "F10" to save and exit.

Main Advanced Boot Secu	Jtility – Copyright (C) 2012 America urity Save & Exit	an Megatrends, Inc.
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System Date System Time	[Tue 10/30/2012] [18:26:39]	elements.
▶ SATA Information		
▶ System Information	r Load Ontimized Defaults 🚽	
	Load Optimized Defaults?	
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		F10: Save & Reset ESC: Exit
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Now, your Windows 8 BIOS has been successfully updated. Enjoy!