

How to reinstall SMR8000 for FW 2.4.8.A02 or later version

Application Notes

Version <1.0>



Technical Support Team

Preface

This application note will instruct users how to restore SMR8000 Series system to factory default step by step.

Caution

Restore to factory default will need to **clean all configuration** and **delete ALL video data.** Please make sure you have already backed up all required data.

Scope



There are 3 steps to restore factory default. Users can find the details of each step in the following pages.

- Step 1. Settings
- Step 2. Enter RAID BIOS to destroy RAID
- Step 3. Run wizard in SMR8000

Step 1. Settings

■ Press the restore button for 5 seconds and release.



Screen will show "SMR is restoring to default factory settings, please wait..." and will be closed automatically when finished.



Step 2. Enter RAID BIOS to destroy RAID

■ Boot SMR8000 up and press "Alt + F2" to enter the BIOS.

BIOS Information BIOS Vendor Core Version Build Date and Time	American Megatrends 4.5.4.0 02/02/2012 14:05:53	Set the Date: Use Tab to switch between Data elements.
Memory Information Total Memory	4096 MB (DDR3 1333)	
System Date System Time	[Wed 05/27/2015] [11:11:52]	
Access Level	Administrator	
		++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit

■ Select "Advanced" and enable "Launch Storage OpROM".

ndvamead Liteart boot of		
Legacy QoROM Support Launch External PXE OpROM Launch LANI PXE OpROM Launch LAN2 PXE DoROM Launch Storage OpROM	[Disabled] [Disabled] [Disabled] [Disabled]	Enable or Disable Boot Option for Legacy Mass Storage Devices with Option ROM.
ERP Function PGI Subsystem Settings ACPI Settings Wakeup function Settings CPU Configuration	[Disabled] —— Launch Storage OpROM ——	
 bit configuration SATA Configuration Intel IGO SNSCI OpRegion USB Configuration Super ID Configuration PC Health Status AAT Configuration Voltage Configuration Hatchdog Configuration Chipset Voltage Configuration Serial Port Console Redirection SmartFan Configuration 	DISSDIED Enabled	++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit
Version 2.02.1205. Aptio Setup Utility	Copyright (C) 2010 American - Copyright (C) 2011 Ameri	Megatrends, Inc.
Legacy OpROM Support Lounch External PXE OpROM Launch LANI PXE OpROM Launch LAN2 PXE OpROM Launch Storage OpROM	(Disabled) (Disabled) (Disabled) (Enabled) (Disabled)	Enable or Disable Boot Option for Legacy Mass Storage Devices with Option POH.
PCI Subsystem Settings ACPI Settings Wakeup function Settings CPU Configuration SetConfiguration		
 Safa Configuration Intel IGD SMSCI OpRegion USB Configuration Super IO Configuration PC Health Status AMT Configuration Voltage Configuration Katchdog Configuration Chipset Voltage Configuration Serial Port Console Redirection SmartFan Configuration 		++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit

■ Press "F4" to "Save configuration and reset".

Aptio Setup Utility – Copyright (C) 2011 American Save 8 Exit	n Megatrends, Inc.
Save & Frit Save Changes and Reset Discord Changes and Reset Restore Defaults Boot Override P3: HGST HTE72505007E630 RocketRAID 2680 SAS Controller Launch EFI Shell from filesyst Yes No	Reset the system after saving the changes.
Version 2.02.1205, Copyright (C) 2010 American (Megatrends Inc

Press "Ctrl + H" to enter the RAID BIOS.



■ When you enter into RAID BIOS, select "Delete" and press "Enter".

	RocketRAID 2680 BI	OS Setting Utility v	1.2
<create> <delete> <</delete></create>	Add/Remove Spare>	<settings> <view> <i< th=""><th>nitialize></th></i<></view></settings>	nitialize>
No. Array Name	RAID Level	Capacity(GB) Status 2000_24 Normal	S OCE/ORLM
I HKKHI_a-a	Mitty 3	E0001 B1	
Help Delete a RAID arra ↑↓→←: Next It	ay attached to Roc) em [Enter]:Sel	ketRAID 2680. Lect [ESC]:Backu	vard

- Select your RAID, and press "Enter".
- Press "Y" to delete it.



After it is finished, you can see your RAID has been deleted.



Press "ESC" and "Y" to exit RAID BIOS.



■ Press "Alt+F2" to enter the BIOS.



■ Select "Advanced" → "Launch Storage OpROM".

Aptio Setup Utility	- Copyright (C) 2011 [Oisabled] [Oisabled] [Disabled] [Enabled]	American Megatrends, Inc. Enable or Oisable Boot Option for Legocy Mass Storage Devices with Option ROM.
ERP Function PCI Subsystem Settings ACPI Settings Kakeup function Settings CPU Configuration SATA Configuration Intel IGD SKSCI OpRegion USB Configuration Super IO Configuration PC Health Status AMT Configuration Voltage Configuration Katchdog Configuration Chipset Voltage Configuration Serial Port Console Redirection SmartFan Configuration	[Disabled]	++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Reset ESC: Exit

Press "Enter" and select "Disable".



You will see it is disabled on the monitor. Then press "F4" to "Save & Reset" to exit BIOS and wait for SMR8000 to reboot again.

Aptio Setup Utility Main Advanced Chipset Boot Se	– Copyright (C) 2011 curity Save & Exit	American Megatrends, Inc.
Legacy OpROM Support Launch External PXE OpROM Launch LAN1 PXE OpROM Launch LAN2 PXE OpROM Launch Storage OpROM	[Disabled] [Disabled] [Disabled] [Disabled]	Enable or Disable B for Legacy Mass Stor Devices with Option
ERP Function PCI Subsystem Settings ACPI Settings Wakeup function Settings CPU Configuration	[Disabled]	
 SATA Configuration Intel IGD SWSCI OpRegion USB Configuration Super IO Configuration PC Health Status AMT Configuration Voltage Configuration Watchdog Configuration Chick Configuration 		++: Select Screen †1: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Default F4: Save & Reset
Chipset Voltage Configuration Serial Port Console Redirection		ESC: Exit

Step 3. Run wizard in SMR8000

When you enter in SMR8000 system, press "F4" to run install wizard.

Gumucon				ê ×
Jurveon		Default	(36) 2016-06-14 15:00:29	9 📃 🚥 💙 ? admin Logout
Live View Playback Setup			SPOT HOME	< 1/3 🔊 🚺 💥
K, SMRServer				
	Drag Camera	Drag Camera	Drag Camera	Drag Camera
E-map Explorer *	Drag Camera	Drag Camera	Drag Camera	Drag Camera
Speed Home Preset Patrol StartAuto Pan Stop Auto Pan + Focus	Drag Camera	Drag Camera	Drag Camera	Drag Camera
C. M. Consults)	Drag Camera	Drag Camera	Drag Camera	Drag Camera
	Event Log			
	Mark & NVR	Camera Name	Date/Time 2016-08-14 14 59-46	Log Type Link A
🖌 🖌 System 🔐 Video 🗧 Storage 🔐 N	etwork			SMR8000 Client Station 2.5.0 A08

Press "Next".



Press "Storage Manager".

Quick Install Wizard		×
🥩 Step 1: Install Wizard	ep 2: Storage Manager	
Step 2: Storage Manager	ease open the storage manager to do RAID configuration for the disks installed.	
Step 3: Display Resolution	prerating Steps: 1 Setting 2 RAID Level 3 Create Logical Drive	
Step 4: Change Password	1 Click "Setting".	
Step 5: Time Settings	2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration.	
Step 6: Network Settings	Storage Manager Advanced Settings	
Step 7: Add Cameras	General General Used (73.98%) 16 RAID Detail Free Space 2623162/MB) Available (26.02%) 57.24GB	
	Disk Los Type Drin RAID Level:	
	ATA C I I Opical Drive VES Enable VES Enable	
	ATA E Disable YES Enable	
	Create Logical Drive 3 Information Edit Delete	
	Advanced Settings Disk detection: J Setting 1	
	Close Close	
		Next

■ Press "Setting" → Select your RAID Level → "Create Logical Drive".

Quick Install Wizard			×
🧹 Step 1: Install Wiza	ard	Step 2:	Storage Manager
Step 2: Storage Ma	anager	Please oper	the storage manager to do RAID configuration for the disks installed.
Step 3: Display Re	solution torage Manager		Advanced Settings
) Step 4: Change	Storage Usage		General
Step 5: Time Se	Used (100%) 40	65.76GB	RAID
Step 6: Network	Disk L Type D	ogical RAID	RAID Level:
Step 7: Add Car	SATA C SATA D		Create Logical Drive Enable Normal 24GB
	SATA Z		Check Storage SAS/ISCSI/HBA, runtime unplug again brain, through check storage resumed, to avoid NVR Server restart, (description)
			Check Edit Delete
2	Advanced Settin Disk detection	ngs :: Join NVR Ser	Setting
	Manager	nent Tool	
			Close
-			Next



Confirm		×
?	Create a Raid will clear all the data on disk, continue?	
	Yes No	

■ Please wait for a while when RAID is being created. Press "Check".

lvanced Settings		
General		
RAID		٦
Free Space:	0(MB)	
RAID Level:		
	Create Logical Drive	
SAS/iSCSI/HBA, storage resume	runtime unplug again brain, through check d, to avoid NVR Server restart, (description)	
	Check	
	Check	

When it is finished, you will see your new RAID has been created on storage manager.

orage Man	ager							
-Storage (Jsage							
Used (20	.87%) 485.850	B					Available (79.149	%) 1842.66GB
Detail —								
Disk Type	Logical Drive	RAID Level	Drive Size(GB)	Available Size(GB)	Online	Data Type	Enable/Disab	Status
SATA	С		20.00	0	Yes	OS,APP	Enable	Normal
SATA	D		1.00	0	Yes	NO	Enable	Normal
SCSI	E	5	1862.75	1842.66	Yes	VIDEO	Enable	Normal
SATA	Z		444.76	0	Yes	LOG	Enable	Normal
						Information	Edit	Delete
Advanced	d Settings							
Disk de	tection: Join N	VR Server disk	allocation					Setting
Ма	nagement Too	ol 🔤						Close

■ Close "Storage Manager" and press "Next".

 ✓ Step 1: Install Witard Step 2: Storage Manager Step 3: Display Resolution Step 4: Change Password Step 5: Time Settings Step 6: Network Settings Step 7: Add Cameras Step 7: Add Cameras Step 7: Step 7: St	Quick Install Wizard	
Step 2: Storage Manager Please open the storage manager to do RAID configuration for the disks installed. Step 3: Display Resolution Step 4: Change Password Step 5: Time Settings Image: Concept to the storage manager to do RAID configuration for the disks installed. Step 5: Time Settings Image: Concept to the storage manager to do RAID configuration for the disks installed. Step 5: Time Settings Image: Concept to the storage manager to do RAID configuration. Step 6: Network Settings Image: Concept to the storage manager to do RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 7: Add Cameras Image: Concept to the storage manager to do RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 7: Add Cameras Image: Concept to the storage manager to do RAID level; To the disks installed. Operating Steps: (1) Setting: Image: Concept to the storage manager to do RAID level; To the disks installed. Step 7: Add Cameras Image: Concept to the storage manager to do RAID level; To the disks installed. Operating Step 7: Add Cameras Image: Concept to the storage manager to the rest to the r	✓ Step 1: Install Wizard	Step 2: Storage Manager
Step 3: Display Resolution Open the storage Manager Step 3: Display Resolution Step 4: Change Password Step 4: Change Password 1 Click "Setting". Step 5: Time Settings 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 6: Network Settings 5torage Manager Step 7: Add Cameras View of 2 Storage Manager Weed (73 98%) 16 Pres Space: View of 74 A D Pres Space: <t< td=""><td>Step 2: Storage Manager</td><td>Please open the storage manager to do RAID configuration for the disks installed.</td></t<>	Step 2: Storage Manager	Please open the storage manager to do RAID configuration for the disks installed.
Step 4: Change Password 1 Click "Setting". Step 5: Time Settings 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 6: Network Settings Step 7: Add Cameras Storage Manager Step 7: Add Cameras Vest (73.98%) 16 Pree Space: 2623.922/989 Used (73.98%) 16 Online Enable/Disable VES AtA O AtA O AtA AtA C AtA C VES Enable/Disable AtA C AtA C VES Enable VES Enable Otisk Loc Create Logical Drive (3) Information Edit Delete Object detection: Disk detection: Disk detection: Information Edit Delete	Step 3: Display Resolution	Open the Storage Manager Operating Steps: 1) Setting > 2) RAID Level >> 3) Create Logical Drive
Step 5: Time Settings 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 6: Network Settings Storage Manager Image: Advanced Settings Step 7: Add Cameras 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 7: Add Cameras 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Step 7: Add Cameras 2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration. Online Enable/Disable Available (26.02%) 57.24GB Online Enable/Disable VES Ata Disk Log Ata C Non-RAID Advanced Settings VES Enable Oisk detection Jisk detection Testing	Step 4: Change Password	1 Click "Setting".
Step 6: Network Settings Storage Manager Step 7: Add Cameras Advanced Settings Step 7: Add Cameras General RAD Pree Space: Disk Loc Type Disk ATA E ATA F Disk detection.J Create Logical Drive Oilsk detection.J Delete	Step 5: Time Settings	2 Choose the RAID level, and then click "Create Logical Drive" to create the RAID configuration.
Step 7: Add Cameras Used (73.98%) 16 Detail Used (73.98%) 16 Detail Used (73.98%) 16 Pree Space: RAD Free Spac	Step 6: Network Settings	Storage Manager
	Step 7: Add Cameras	Avanced Settings Advanced Settings Disk detection. Create Logical Drive October Close

■ Select your "Display Resolution" and press "Next".

Quick Install Wizard	
🧹 Step 1: Install Wizard	Step 3: Display Resolution
🖌 Step 2: Storage Manager	Display Resolution higher than 1280x1024 required
Step 3: Display Resolution	
Step 4: Change Password	Display Settings 1280x1024 Single/Dual Monitor setup
Step 5: Time Settings	Attention!!, Please make sure set up monitor output as Single/Dual Monitor, we suggest you use following suggested resolutions as your monitor resolution output to have best user experience with SMR (Actual resolution supported depends on the resolutions your monitor(s) support)
Step 6: Network Settings	
Step 7: Add Cameras	1920*1080 1680*1050 1600*1024 1400*1050 1280*1024
	Next

Set your password, or press "Keep password" to use default password (admin), and press "Next".

Quick Install Wizard		X
✓ Step 1: Install Wizard	Step 4: Change Password	
🥩 Step 2: Storage Manager		
Step 3: Display Resolution	Username: admin	
Step 4: Change Password	New Password:	
Step 5: Time Settings	Confirm:	
Step 6: Network Settings	₩ Keep password	
Step 7: Add Cameras		
		_
	Back Next	

■ Select your "NVR Server Time Zone" or set "Time", and press "Next".

Quick Install Wizard			×
🧹 Step 1: Install Wizard	Step 5: Time Settings		
🥩 Step 2: Storage Manager	\rm i Please set the actual time I	based on your local time zone	
Step 3: Display Resolution	NVR Server Time Zone:	JTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi	•
Step 4: Change Password			_
Step 5: Time Settings	Time: 20	16-06-14 15:03:29	<u>×</u>
Step 6: Network Settings		aren oysteni nine 2010-00-14 15.05.28	
Step 7: Add Cameras			
			Back Next

Set your IP address and press "Next" (Default setting is DHCP. If you set up a fixed IP for the SMR, SMR will restart).

Step 1: Install Wizard	Step 6: Network Se	ettings	
🖌 Step 2: Storage Manager	You can refer to	o following example of IP setting if you would like to setup fixed IP setting	
Step 3: Display Resolution	Example:	Obtain IP Address from DHCP	
Step 4: Change Password		Fixed IP Address	
✓ Step 5: Time Settings		IP Address: 172 . 30 . 10 . 27	
Step 6: Network Settings		SubNet Mask: 255 . 255 . 0	
Step 7: Add Cameras		GateWay: 172 . 30 . 10 . 254	
		DNS:	
	SHD Cases Name:		
	SMR Server IP Addre	ess: O Obtain IP Address From DHCP	
		Fixed IP Address	
		IP Address: 192 · 168 · 10 · 25 📷	
		Subnet Mask: 255 . 255 . 0	
		Gateway: <u>192 . 168 . 10 . 254</u>	
		Back Nei	xt
Confirm		×	
NVR IP changes affe	er restart the server w	bether to	
continue			
Yes	No		

If your IP is a fixed IP, after SMR is restarted, please press "F4" to run wizard "Step 7" to finish the installation process.

