Public



AMD RAID Quick Start Guide for the Windows Operating System

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AMD

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Revision History

Date	Revision	Description
May 2026	1.20	• Made minor updates to synchronize with other RAID documents. • Updated *System Requirements* section to include caution against using SMR hard drives and Thunderbolt devices. • Updated system requirements in Table 1. • Updated Chapter 3 to provide high-level generic guidance for enabling RAID. • Updated section 6.3 *Manual Installation* for the AMD RAIDXpert2 Management Suite (GUI). • Added section 6.4 *Silent Installation Return Codes.* • Updated section 7.2 *System Overview Process.*
December 2022	1.11	• Updated system requirements in Table 1. • Added AM5 support to Section 3.1. • Added AM5 to Table 3.
July 2022	1.10	• Added references to AMD RAID User Guide, order# 53987. • Updated system requirements in Table 1. • Updated Chapter 3 *Pre-Installation Steps*. • Consolidated section 4.1.1 for creating a virtual bootable disk. • Updated Chapter 5 *Installing AMD RAID Driver*" to add new notes, NVME_DID/ NVME_CC support table, and updated instructions. • Updated Chapter 6 section headings. • Added Chapter 7 *RAID Software Update*.
November 2021	1.05	• Updated system requirements in Table 1. • In Chapter 4 *Create the Bootable Disk*, added recommendation not to use SMR hard drives with AMD RAID systems.
August 2020	1.04	• Renamed Web GUI to just GUI. • Replaced 6.1 and 6.12 with 4.4.2-4.4.4 from the RAIDXpert2 UG. • In section 6.1.3 removed list under step 4, removed step 5 • Added new section 3.5.
August 2019	1.03	• Second public release. • Updated steps in Chapter 3. • Updated title in Chapters 4. • Updated sections 6.1 and 6.1.1.
April 2018	1.02	First public release.
March 2018	1.01	• Second NDA release. • Updated Supported Configuration and minor edits.
February 2018	1.00	Initial NDA release.

Chapter 1: General Information

1.1 Purpose

This Quick Start Guide is designed to assist with system setup in **RAID Mode** by performing the following general procedures:

- Copying the AMD RAID device drivers to removable storage media for Microsoft® Windows x64.
- Loading the AMD RAID device drivers on a supported AMD system during Windows operating system installation.
- Installing the AMD RAIDXpert2 (GUI) for RAID array management.

1.2 System Requirements

Table 1.1: System Requirements

Component	Requirements	
Memory (RAM)	For AMD Ryzen® processors and AMD Ryzen® desktop processors: Minimum: 16 GB total, Recommended: 32 GB total	
Device Support	NVMe and AHCI supported devices include: • Blu-Ray, ATAPI DVD, SATA drives, SATA SSD drives, M.2 SATA drives, NVMe M.2 devices, NVMe HHHL devices or NVMe U.2/U.3 devices. • Number of disks depends on number, type, and capacity of arrays to be created	
Maximum Controller Count	• 18 controllers: 16 NVMe + 2 AHCI: • Two controllers with device ID 0x7917, one controller with device ID 0x43BD and NVMe (one controller per NVMe) • One controller with device ID 0x7916, one controller with device ID 0x43BD and NVMe (one controller per NVMe)	
Maximum Configuration	• 22 arrays for deletion • 12 arrays for creation • 22 devices (16 NVMe + 6 AHCI) • 8 devices per array	
Supported AMD Processors	• AMD Ryzen™ Threadripper • AMD Ryzen™ Desktop • AMD Ryzen™ Mobile with Radeon™ Graphics • AMD EPYC™ 4004, AMD EPYC™ 4005	
Supported AMD Chipsets	• A6xx Series • B6xx Series • X8xx Series	• AMD WRX80 • AMD TRX50 • AMD WRX90

Note: AMD recommends that you reset or reboot the system if you are adding or moving a SATA M.2 SSD or NVMe device(s):

1. In the OS, issue a reset/reboot.
2. Wait for the AMD BIOS screen to display, then press **ESC, F2**, or similar to enter the BIOS.
3. Power off the system.
4. Install or remove the necessary device(s).
5. Power on the system and allow the OS to boot properly.

Note: AMD **does not** recommend using SMR drives. AMD RAID systems using SMR hard drives can see poor performance or failures and SMR hard drivers are not suitable for workloads that require many random writes (such as boot drive).

Note: AMD RAID does not support Thunderbolt (TBT) devices.

Table 1.2: Information about Supported Configuration by Installer

SoC SATA Mode	Promontory SATA Mode	NVMe RAID Mode	SATA RAID Suppor tNVMe RAID Support	NVMe RAID Support
AHCI / Auto	AHCI / Auto	Disabled	No	No
RAID	RAID	Enabled	Yes	Yes

1.3 Generic System Setup

IMPORTANT: *To protect your data, always perform a backup prior to installing any new, major hardware or software. If you are adding NVMe as RAID to your existing RAID arrays, then update all existing RAID controller drivers to the latest version and reboot the system. Later, connect to NVMe and install RAID drivers on the NVMe devices or download driver software from the vendor support page.*

A generic system setup process is described below:

1. Copy the **AMD RAID** drivers to a removable storage medium. See Section 2.1.
2. Power-on the system.
3. Access the platform BIOS window for the system and configure BIOS settings as outlined in Chapter 3 to enable RAID Mode on the system. This enables the Platform BIOS to be configured in RAID mode by loading the **AMD RAID UEFI** driver.
4. Initialize the disks, using the RAIDXpert2 Configuration Utility (HII) or UEFI shell. Refer to the *AMD RAID User Guide*, order# 53987.
5. Create arrays using the HII Configuration Utility or UEFI shell. See Chapter 4.

6. Load the **AMD RAID** drivers during operating system installation. See Section 5.2.
7. Complete the rest of the operating system installation.
8. Install the AMD RAID management application (AMD RAIDXpert2 GUI). See Section 5.3.

Note: Native AHCI installation does not boot into the OS after the BIOS setting is changed to RAID mode.

Chapter 2: Bootable Arrays

Note: Before copying drivers, verify that the Windows® operating system installation media is available and ready to install.

Note: Removable storage (USB flash drive, formatted as FAT32) is required for copying AMD -RAID drivers.

2.1 Copy AMD RAID Drivers to a Removable Storage Medium

A removable storage medium is needed to copy **AMD RAID** drivers required for OS installation onto an **AMD RAID** bootable array.

Copy AMD RAID drivers to a removable storage medium:

1. Power on the system.
2. Locate and use a system that is running a Windows operating system and has a CD-DVD drive or an available I/O port for removable storage media (such as a USB flash drive formatted as FAT32).
3. Insert the storage medium into the system.

   Note: For Windows, connect removable storage (USB flash drive, formatted as FAT32) to a USB I/O port, or insert a blank CD-DVD disk into the applicable drive.

4. Go to a browser and access the website of your system supplier or motherboard vendor.
5. Download the AMD RAID drivers from the website to the appropriate removable storage medium.
6. Proceed to Windows Install and load AMD-RAID drivers during a Windows OS installation.

Chapter 3: Enable AMD RAID in BIOS

This section provides generic guidance to enable AMD RAIDXpert2 (NVMe and/or SATA) in a system BIOS. Because BIOS menus vary across OEMs, users must locate equivalent options on their specific system. These steps apply before OS installation and are required to configure AMD RAIDXpert2 functionality.

Note: This guide provides high-level steps to enable RAID on your system. Because different manufacturers (OEMs) use different BIOS layouts, these steps serve as a general roadmap to help you find the correct settings.

Prerequisites

Before enabling AMD RAIDXpert2, ensure the following:

1. The system supports AMD RAIDXpert2.
2. Required NVMe and/or SATA devices are installed.
3. All critical data is backed up. (*Changing storage modes or enabling RAID may erase existing data.).*

Important Precautions

- Data Loss Risk: Switching a storage controller from AHCI/NVMe to RAID mode can make existing data on your devices inaccessible or require a format. Back up all critical data before proceeding.
- Changing storage mode after OS installation may prevent the OS from booting.
- Operating System Requirements: RAID typically requires specific AMD RAID drivers to be loaded during the Windows/Linux installation process.
- System Stability: Do not power off or reset the system while saving BIOS settings.
- BIOS screen names, menu names, and key presses differ per OEM.
- If unsure, consult your systems OEM documentation.

3.1 AMD RAID System Setup

This guide provides generic, high-level guidance. Exact menu paths and option names vary by OEM and BIOS version. Always refer to your system manufacturer documentation for platform-specific instructions.

Step 1: Access the BIOS / System Setup

1. Power on or restart the system.
2. As soon as the system starts, repeatedly press the BIOS Access Key until the setup screen appears.

Common keys include: F2, F10, F12, DEL, or ESC. The correct key is usually shown briefly on the splash screen.

Step 2: Locate Storage Configuration

Once inside the BIOS, navigate to the main menu tabs. You are looking for sections labeled like:

- Advanced or Advanced BIOS Setup
- Storage or Chipset Configuration
- Devices or System Options

On some systems, AMD RAIDXpert2 settings may be nested under AMD-specific menus such as chipset or AMD CBS / PBS or controller options.

Step 3: Navigate to AMD Chipset / Controller Settings (If Present)

Depending on the system, RAID settings may appear under paths such as:

- Advanced → AMD CBS
- Advanced → Chipset Common Options
- Advanced → FCH Common Options
- Advanced → Promontory / Prom21 Chipset Options
- Advanced → AMD PBS

These menu names vary, but they typically contain storage controller and RAID options.

Step 4: Enable AMD RAIDXpert2 for Installed Drives (NVMe and/or SATA)

- In the BIOS, navigate to storage-related configuration menus.
- Look for sections related to SATA, NVMe, PCIe Storage, or Storage Controller.
- Enable RAID based on the type of drives installed in your system:

For SATA Drives

1. Locate SATA Configuration, SATA Controller, or similar storage settings.
2. Ensure the SATA Controller is set to Enabled.
3. Change SATA Mode, SATA Configuration, or Configure SATA As from AHCI to RAID or RAID On.
4. If multiple SATA ports or chipset SATA options are shown:
    - Ensure the required SATA ports are Enabled
    - Confirm Chipset SATA Mode (if present) is also set to RAID

For NVMe Drives

1. Locate NVMe Configuration, PCIe Storage Configuration, or NVMe RAID Mode.
2. Enable options such as:
    - NVMe RAID Mode
    - PCIe / NVMe RAID
3. These options may appear under menus such as Advanced, Chipset, AMD PBS, or PCIe

Configuration, depending on the system.

Note: Menu names and locations vary by OEM. If both SATA and NVMe drives are used, ensure RAID is enabled for each applicable drive type.

Step 5: Save and Exit BIOS

1. Select Save & Exit, Apply Changes, or press F10 / F4 (varies by BIOS).
2. Confirm changes when prompted.
3. System will reboot with RAID enabled.

Chapter 4: Use the RAIDXpert2 Configuration Utility (HII Mode) for AMD Ryzen™ SP3-Series, Desktop, and Mobile Processors

Note: For details on HII, refer to the *AMD RAID User Guide*, order# 53987.

Note: AMD recommends creating only one array for the OS installation. If more arrays are needed, they should be created in the OS or HII after the OS has completed installing.

Note: AMD does not recommend installing the OS to any Hot swappable or removable drives.

4.1 Use the Configuration Utility (HII) to Create a Bootable Virtual Disk

Use the configuration utility (HII) to create a bootable virtual disk:

1. Power-on the system.
   a. Press **ESC/DEL** or similar to access the **Platform BIOS.**
   b. On BIOS based on Insyde BIOS, select **Device Management**, then press **Enter**.
   c. On BIOS based on AMI BIOS, select **Advanced**.Power-on the system.
2. At the RAIDXpert2 Configuration Utility's main menu, use the arrow keys to select **Array Management**, then press **Enter**.
3. Use the **arrow keys** to select **Create Array**, then press **Enter.**
4. Select **RAID Level**, then press **Enter**.
5. From the **Select RAID Level** drop-down menu, use the arrow keys to select the desired RAID level, then press **Enter**.
6. Select the disks with which to create the array:
   a. Use the arrow keys to select **Select Physical Disks**, then press **Enter.**
   b. To select individual disks, highlight a disk with the arrow keys, then press the **Space Bar** or **Enter**. You can select any number of disks using this method.
   c. To select all disks, use the arrow keys to select **Check All**, then press **Enter.**
   d. Use the arrow keys to select **Apply Changes**, then press **Enter**.

Note: If there is a long list of options, “Apply Changes” might be off-screen until you use the arrow keys.

7. Select an array size:
   a. Use the arrow keys to select **Array Size**, then press **Enter.**
   b. The array size defaults to the maximum size allowed by the number of physical disks and RAID level selected. For a smaller array size, enter the desired value.
   c. Press **Enter** when the desired size is reached.
8. Use the arrow keys to select **Cache Tag Size.**
   a. Any Array with only HDD/SSD has the default CTS of 64 k.
   b. Any Array with only NVMe or NVMe with HDD/SSD has the default CTS of 256 k.
9. Use the arrow keys to select **Read Cache Policy**, then press **Enter**.
   a. Select the desired **Read Cache Policy**, then press **Enter.**
10. Use the arrow keys to select **Write Cache Policy**, then press **Enter**.
    a. Select the desired **Write Cache Policy**, then press **Enter.**
11. Use the arrow keys to select **Create Array**, then press **Enter.**
12. After completing array creation, press **Save,** then reboot the BIOS.

Chapter 5: Install AMD RAID Drivers

Note: The windows described in this guide are typical. Path names and text can vary, depending on user-designated selections and other parameters.

Note: NVMe devices are listed in the "**Where do you want to install Windows?**", do not delete any of the partitions or format the NVMe devices. Doing so deletes the **AMD-RAID** metadata and the desired RAID level. After the **AMD-RAID** drivers (rcbottom and rcraid) are loaded, a valid **AMD-RAID** Virtual Disk displays.

Note: When using the `drvload` command, rcbottom is not being propagated to the install image. (C:\Windows\System32\drivers) From Microsoft documentation, "Runtime driver load via Drvload.exe – Loads driver into memory and starts the device. Does not propagate the driver to the installed OS." https://docs.microsoft.com/en-US/troubleshoot/windows-client/deployment/limitations-dollar-sign-winpedriver-dollar-sign.

To install AMD RAID drivers during the Windows® OS installation:

1. Power-on the system.
2. Create a bootable array (see Chapter 4).
3. Insert the Microsoft Windows operating system CD -ROM, DVD, or USB into the drive.
4. Boot the system; allow access to Microsoft Windows operating system CD, DVD, or USB .
5. In the **Windows setup** window:
   a. Select the **language**, **time,** and **keyboard** options.
   b. Select **Next.**
   c. Select **Install Now** or similar.
   d. If prompted, select the desired operating system.
   e. Select **Next.**
   f. Depending on the installation window observed, choose one of the methods below to load **rcbottom.inf**.
      1) **Option 1**
         a) Insert the storage medium with the **AMD-RAID** drivers into the USB port or applicable system drive.
         b) Select **Browse.**
         c) Navigate to the directory containing the saved **AMD-RAID** drivers.
         d) Select **OK.**

Note: If the installation has multiple controllers, there will be two or more rcbottom.inf files listed. See **Option 2** below.

e) Select the first **AMD-RAID Bottom Device** (**rcbottom.inf**) driver in the list.

f) Select **Next.**

2) **Option 2**

If the installation has multiple controllers, two or more rcbottom.inf files are listed. Only one installation of rcbottom.inf is recommended.

a) Follow the onscreen prompt until you observe the "**Where to install Windows?**" window:

b) Select **Load driver**.

c) Click **Browse**.

d) Navigate to the directory containing the saved AMD-RAID drivers.

e) Click **OK**.

f) Select the first **rcbottom.inf** driver in the list.

g) Click **Next**.

6. At the Load Driver Warning message, click **OK.**
7. At the **Select the Driver to install** window:
   a. Select **Browse.**
   b. Navigate to the directory containing the saved **AMD-RAID** drivers.
   c. Select **OK.**
   d. Select the **AMD-RAID Controller (rcraid.inf)** driver in the list.
   e. Select **Next.**
   f. Select(Check Mark) **I Accept the License Terms.**
   g. Select **Next.**
   h. Select **Custom: Install Windows Only (advanced)** or similar.
8. After both drivers have been loaded (rcbottom and rcraid), a valid Virtual Disk appears:
   a. Select **Load Drivers.**
   b. Select **Browse.**
   c. Navigate to the directory containing the saved **AMD-RAID** drivers.
   d. Select **OK.**
   e. Select the **AMD-RAID Config Device** (**rccfg.inf**) driver from the list.
   f. Select **Next.**

9. At the "**Where do you want to install Windows**" window, click **Next**.

> **Note:** Windows must be installed to the first array (partition).

10. Follow the on-screen instructions to complete the installation of the applicable Windows operating system.
11. After the OS is installed, open **Device Manager** and verify the following:
    a. Expand Storage Controllers: there is an entry listed as **AMD-RAID Bottom Device.**
    b. Expand Storage Controllers: there is an entry listed as **AMD-RAID Controller.**
    c. Expand System Devices: there is an entry listed as **AMD-RAID Config Device.**
12. Remove the storage medium and Microsoft Windows OS CD -ROM, DVD, or USB from the applicable drive(s) or port.
13. Install the **AMD RAIDXpert2 Management Suite for Windows®**. *(See Chapter 6.)*

Chapter 6: Install the AMD RAIDXpert2 Management Suite and GUI

Install this software using one of the following:

- From the Microsoft Store at https://www.microsoft.com/store/apps
- From the AMD website at https://support.AMD.com.
- From the RAIDXpert2 Management Suite Manual Installation.

6.1 Install the Desktop Application from the Microsoft Store

To install the software from the Microsoft Store:

1. Go to *Microsoft Store*.
2. Select **Search**, type **AMD-RAIDXpert2**, and select the AMD-RAIDXpert2 Management Suite Desktop Application from the search results.
3. Select **Get**.
4. Sign in with your Microsoft account to finish downloading the application.
5. After the RAIDXpert2 software installation is completed, open the Windows menu and search for **AMD RAIDXpert2**, then click **Open**.

6.2 Install the Desktop Application from the AMD Website

To install the software from the AMD support website:

1. Obtain the latest executable file from your system supplier, motherboard vendor, or from *https://www.amd.com/support*.
2. Download the file to the desktop, run the installer, then follow the screen prompts.
3. Double-click the **RAIDXpert2** desktop icon to run the application after it is installed.

6.3 Manual Installation

To install the software via command line:

1. Download the AMD RAIDXpert2 Management Suite executable file (`RAIDXpert2-Management-Suite-9.33.xyz.exe`) from your system supplier or motherboard vendor to your system desktop.

   Note: xyz is the AMD RAID installer build number; # is the Microsoft build number.

2. Install the AMD RAIDXpert2:
   - Open a command prompt with the **Run as Administrator** option.
   - Type `cd C:\User\User_Name\Desktop`
     - For GUI installation, type: `RAIDXpert2-Management-Suite.exe` (Follow screen prompts.)
     - For silent installation, type:`START /WAIT “” RAIDXpert2-Management-Suite.exe /S /v/qn`
3. Double-click the **RAIDXpert2 Desktop** icon to open the RAIDXpert2 application as Administrator.

Note: If the RAIDXpert2 GUI/UWP application is not run as Administrator, some features are disabled.

6.4 Silent Installation Return Codes

The following table lists error codes used by the installer.

Table 6.1: Silent Installation Return Codes

Error Code	Value	Description
ERROR_SUCCESS	0	The action completed successfully.
ERROR_INSTALL_SERVICE_FAILURE	1601	The Windows Installer service could not be accessed. Contact your support personnel to verify that the Windows Installer service is properly registered.
ERROR_INSTALL_USEREXIT	1602	The user canceled installation.
ERROR_INSTALL_FAILURE	1603	A fatal error occurred during installation.
ERROR_UNKNOWN_PRODUCT	1605	This action is only valid for products that are currently installed.
ERROR_INSTALL_SOURCE_ABSENT	1612	The installation source for this product is not available. Verify that the source exists and that you can access it.
ERROR_INSTALL_PACKAGE_OPEN_FAILED	1619	This installation package could not be opened. Verify that the package exists and is accessible, or contact the application vendor to verify that this is a valid Windows Installer package.
ERROR_INSTALL_PACKAGE_INVALID	1620	This installation package could not be opened. Contact the application vendor to verify that this is a valid Windows Installer package.
ERROR_INSTALL_LOG_FAILURE	1622	There was an error opening installation log file. Verify that the specified log file location exists and is writable.

Table 6.1: Silent Installation Return Codes (continued)

Error Code	Value	Description
ERROR_INSTALL_PACKAGE_REJECTED	1625	This installation is forbidden by system policy. Contact your system administrator.
ERROR_PRODUCT_VERSION	1638	Another version of this product is already installed. Installation of this version can't continue. To configure or remove the existing version of this product, use Add/Remove Programs in Control Panel.
ERROR_INVALID_COMMAND_LINE	1639	Invalid command line argument. Consult the Windows Installer SDK for detailed command-line help.
ERROR_SUCCESS_REBOOT_REQUIRED	3010	A restart is required to complete the install. This message indicates success. This does not include installs where the ForceReboot action is run.

Chapter 7: RAID Software Update

7.1 Purpose

This chapter describes the process for updating AMD RAID drivers and the RAIDXpert2 GUI for Windows 64-bit systems.

7.2 System Overview Process

IMPORTANT: To protect your data, always perform a backup before installing any new, major hardware or software. If you are adding NVMe devices to existing AMD RAID arrays, update all existing AMD RAID controller drivers to the latest version and restart the system. Then connect the NVMe devices and install the AMD-RAID driver onto them.

A generic system update process is described below.

1. Back up the user data before doing any upgrade.
2. Copy the AMD RAIDXpert2 Installer to the system desktop. See Install the AMD RAIDXpert2 Management Suite and GUI .
   - Latest package from AMD (*https://www.amd.com/support*)
   - For manual installation, use: `RAIDXpert2-Management-Suite.exe`
3. Copy the AMD RAIDXpert2 installer package to the system.
4. Run the AMD RAIDXpert2 Installer to update the AMD RAIDXpert2 Management Suite.
5. Update the AMD-RAID OS drivers.
6. Restart the system.

7.3 Update the AMD RAIDXpert2 Management Suite

This section provides information about updating the AMD RAIDXpert2 Management Suite.

7.3.1 AMD RAIDXpert2 UWP Management Suite

If you have the AMD RAIDXpert2 UWP Management Suite installed, new versions released to the Microsoft store are pushed to the system and automatically updated.

7.3.1.1 Manually Update the UWP Application

To manually update the AMD RAIDXpert2 Management Suite desktop application:

1. Go to the Microsoft Store at *https://www.microsoft.com/store/apps*.
2. Select **Search**, type **AMD RAIDXpert2**, and select the **AMD RAIDXpert2 Management Suite Desktop Application** from the search results.

3. Select **Get**.
4. Sign in with your Microsoft account to finish downloading the application.
5. After the RAIDXpert2 software installation is complete, click the **RAIDXpert2 Desktop** icon.
6. Re-log into the system with the new credentials.

7.3.2 AMD RAIDXpert2 Management Application (GUI)

To update the AMD RAIDXpert2 Management Application AMD RAID Installer:

1. Backup the user data before doing any upgrade.
2. Download to the system desktop the latest AMD RAID Installer executable file from your system supplier or motherboard vendor.
3. Run the installer and follow the on-screen prompts.

7.3.2.1 Manually Update the AMD RAIDXpert2 Management Application (GUI)

To manually update the AMD RAIDXpert2 Management Application (GUI):

1. Backup the user data before doing any upgrade.
2. Open a browser and access the Web Site of your system supplier or motherboard vendor.
3. Download the AMD RAIDXpert2 installer `RAIDXpert2-Management-Suite-9.33.RAIDXpert2-Management-Suite.exe` from the web site and copy it to the desktop.
4. Start the AMD RAIDXpert2 update:
   a. Open a command prompt with the **Run as Administrator** option.
   b. Type `cd C:\User\User_Name\Desktop`
      - For GUI installation, type: `RAIDXpert2-Management-Suite.exe` (Follow screen prompts.)
      - For silent installation, type: `START /WAIT “” RAIDXpert2-Management-Suite.exe /S /v/qn`

7.3.3 Update the AMD RAID Windows Drivers

Contact your system supplier or motherboard vendor to obtain the new AMD RAID Windows Installer.

To use the AMD RAID installer:

1. Unzip the AMD RAID installer and execute `AMD_RAID_Software.exe` or similar. Wait for the installer to load.
2. Agree to the Terms and Conditions.
3. Click **Install**. Wait for the installer to complete.
4. Click **Restart now** to reset the computer. The new drivers will be loaded when the system is rebooted twice.

7.3.3.1 Manually Update the AMD RAID Windows Drivers

To manually update drivers on Windows:

1. Backup the user data before doing any upgrade.
2. Open a browser and access the Web Site of your system supplier or motherboard vendor.
3. Download the **AMD-RAID Drivers** from the Web Site and copy it to the **Systems C**: drive.
4. Open **Computer Management** -> **Device Manager**.
5. Expand Storage Controllers.
6. Select the first AMD-RAID Bottom Device:
   a. Right click and select **Update Driver Software**.
   b. Click **Browse my computer for driver software**.
   c. Click **Browse**, then set the path to the Systems C drive.
   d. Click **OK**.
   e. Click **Next**.

   Note: If a Window Security Window pops up, select “Install this driver software anyways."

   f. Click **Close**.
   g. When prompted to restart the system (System Settings Change pop-up), click **No**.

   Note: Repeat Step 6 for each additional AMD RAID Bottom Device.

7. Select the AMD-RAID Controller:
   a. Right click and select **Update Driver Software**.
   b. Click **Browse my computer for driver software**.
   c. Click **Browse**, set the path to the **Systems C** drive.
   d. Click **OK**.
   e. Click **Next**.

   Note: If a Window Security Window pops up, select “**Install this driver software anyways.**”

   f. Click **Close**.
   g. When prompted to restart the system (System Settings Change pop-up), click **No.**
8. Expand System Devices.
9. Select AMD-RAID Config Device:
   a. Right click and select **Update Driver Software.**
   b. Click **Browse my computer for driver software**.

c. Click **Browse**, set the path to the **Systems C** drive.

d. Click **OK**.

e. Click **Next**.

Note: If a Window Security Window pops up, select "**Install this driver software anyways."**

f. Click **Close**.

10. Restart the System.

11. To fully load the AMD RAID drivers, restart the System a second time.

Appendix A: Notices

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