Paragon Boot Media Builder

General guide on installing WAIK/ADK and using Boot Media Builder

Contents

Introduction

Paragon Boot Media Builder™ is a wizard that helps you prepare a WinPE-based bootable environment on a CD/DVD/BD disc, USB thumb drive, on in an ISO image format. This type of environment contains a set of utilities that corresponds to the purchased product, and allows startup of your computer for maintenance or recovery purposes when OS is corrupted or cannot be used.

A WinPE environment offers an excellent hardware support and the same interface as the Windows version does. It provides support for network (through DHCP, or a manually configured connection), external FireWire or USB drives, enables to pre-mount network shares and inject drivers for special storage controllers and network cards.

Key Features

- Build a WinPE environment on CD/DVD/BD, flash memory, or in an ISO image format;
- Clone a previously built WinPE environment on CD/DVD/BD or flash memory with the option to inject additional drivers in the process;
- Inject custom drivers for storage devices and network controllers during preparation;
- Set up a network connection with a pre-mounted network share during preparation;
- Supported formats of laser discs: CD-R/RW, DVD-R/RW, DVD+R/RW, DVD-R, DVD+R double layer, Blu-ray.
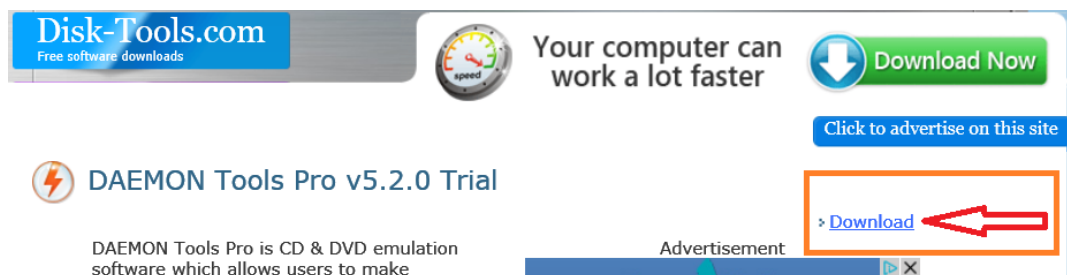
Building a WinPE Environment

Before you launch Boot Media Builder please make sure you have either Windows Automated Installation Kit (WAIK) or OEM Preinstallation Kit (OPK) installed in your system. Otherwise, you won't be able to accomplish the operation.
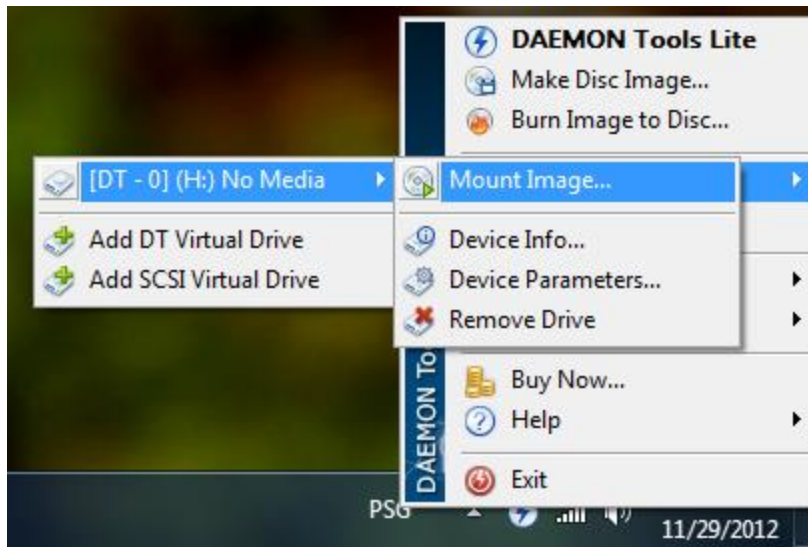
- WAIK is a Microsoft's proprietary tool and can be obtained from its Download Center for free. Please note that you need a genuine Windows installation to be able to download this tool. Moreover you will need to download a version, which is suitable for your Windows OS – Boot Media Builder automatically detects your system and offers the required download link.

Download and Install the Windows Automated Installation Kit (AIK) or Windows 8 ADK

1. Download the Windows Automated Installation Kit with the following link.
   o **The Windows® Automated Installation Kit (AIK) for Windows® 7 and Server 2008 R2** (also supports XP, Vista SP1, Server 2003 SP2, Server 2008)
      Download: http://www.microsoft.com/en-us/download/search.aspx?q=AIK
   o **The Windows Assessment and Deployment Kit (ADK) for Windows 8 and Server 2012** (also supports Vista, Windows 7, Server 2008, Server 2008 R2)
      Download: http://www.microsoft.com/en-us/download/details.aspx?id=30652

2. Install the Windows Automated Installation Kit (burn to a DVD or use an ISO mounting utility)
   o Windows Disc Burner - http://windows.microsoft.com/en-US/windows7/Burn-a-CD-or-DVD-from-an-ISO-file

   o Daemon Tools Lite - http://www.disc-tools.com/download/daemon
      ▪ **Use caution on disc-tools.com:** Be sure to click the link highlighted by a red arrow below, to download Daemon Tools Lite. Avoid using other advertising links which may be harmful to your computer.

3. Install Daemon Tools Lite.

4. Right-click the Daemon Tools icon on the bottom right > **Virtual Devices** > **No Media** > **Mount Image**
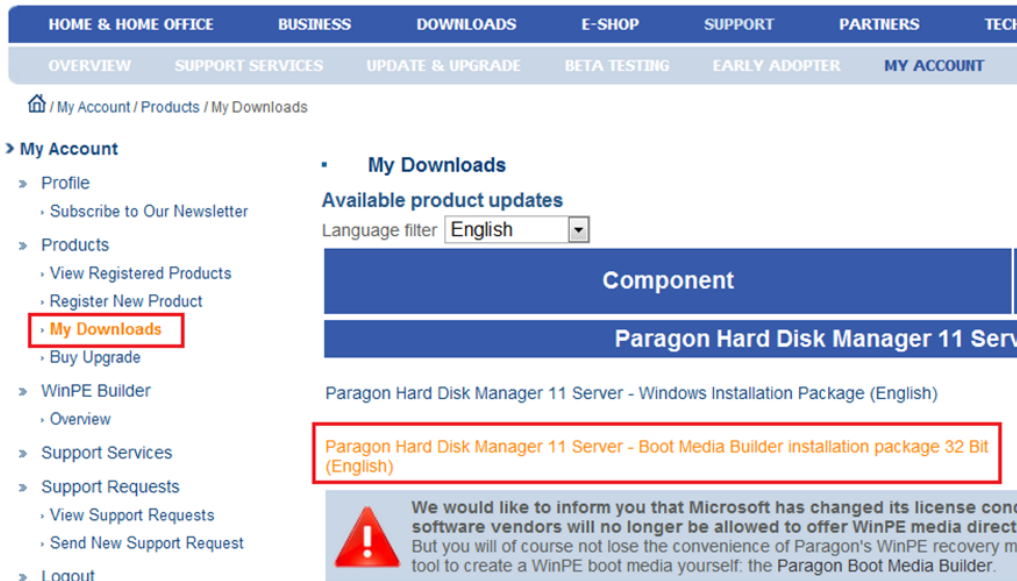
5. Browse for the downloaded Windows® Automated Installation Kit (AIK) file: **KB3AIK_EN.iso**

6. Open Computer > the mounted drive > and run **StartCD.exe**. Select **Windows AIK Setup**.
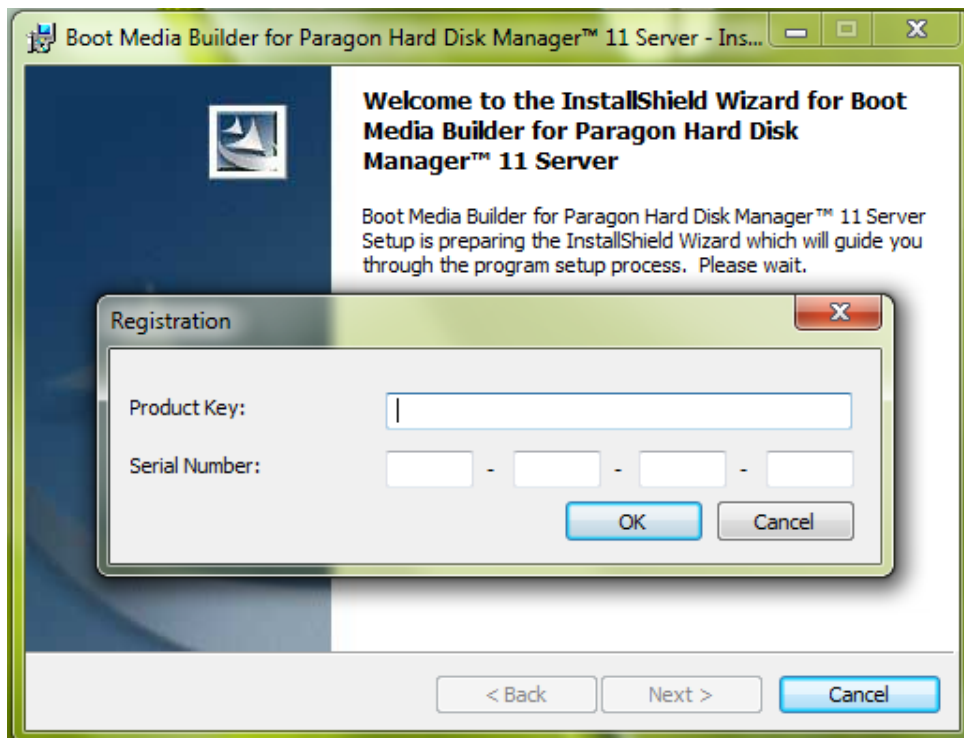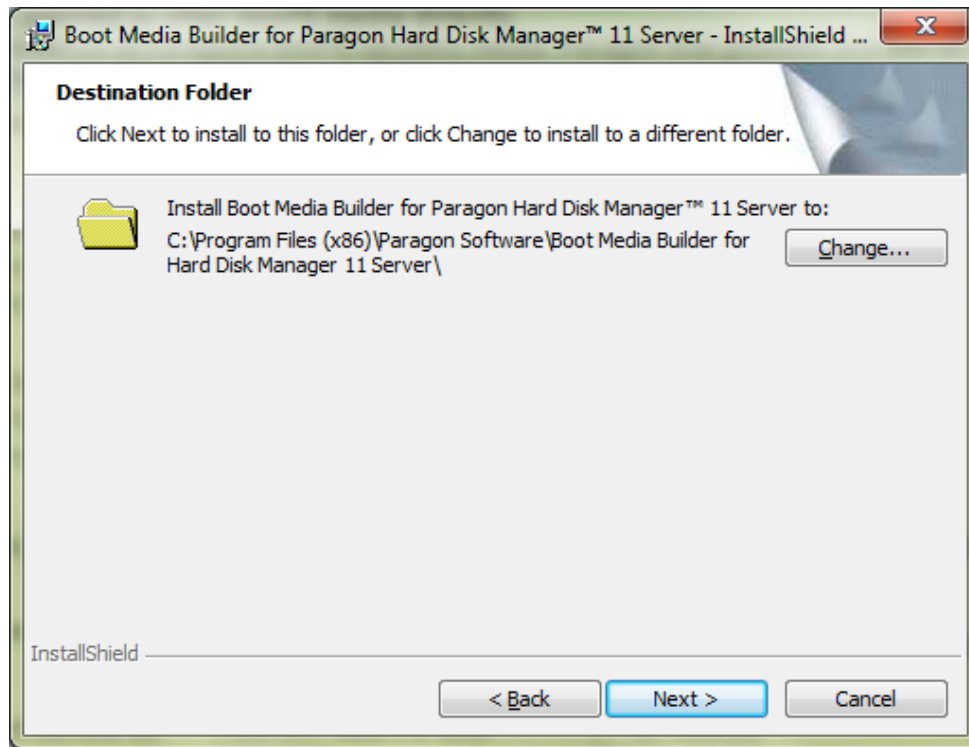
Download and Install Paragon Boot Media Builder

1. Log into your Paragon User Account with the following link:
   http://www.paragon-software.com/login

2. In your Paragon User Account, click on the left menu link **Downloads,** and download the **Paragon Boot Media Builder installation package** for your product.

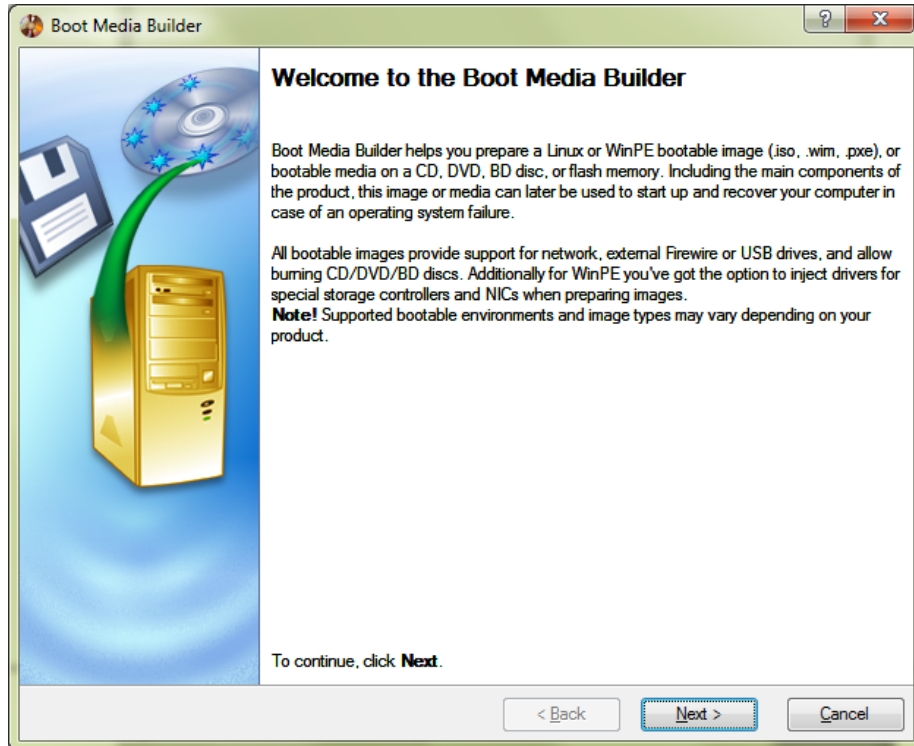3. Run the Boot Media Builder installation package file. Provide the product key and serial number:

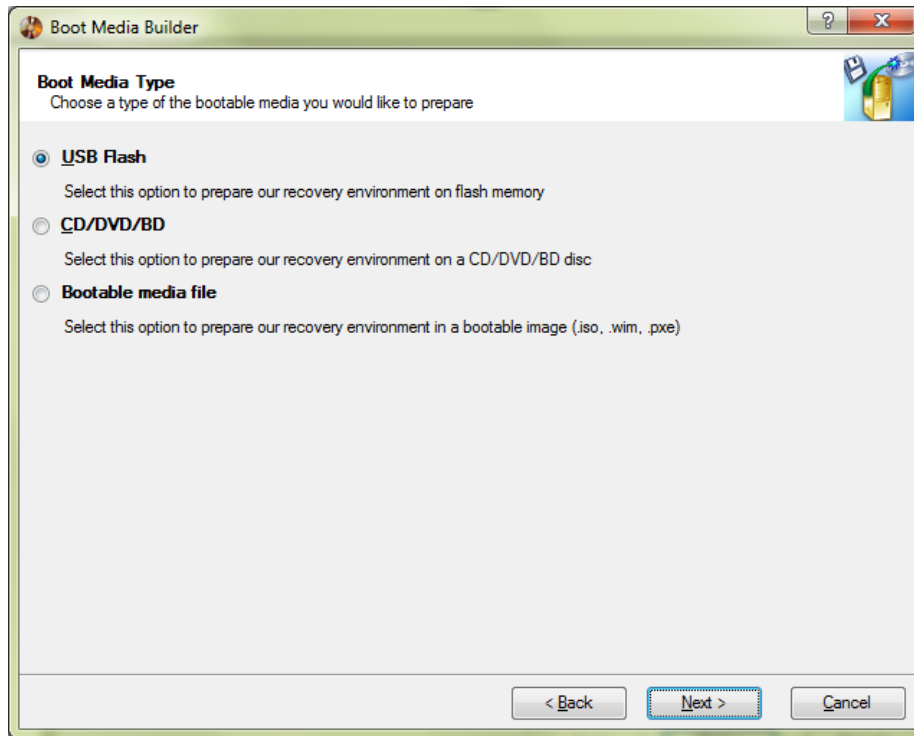4. Select the Destination Folder and complete the installation.
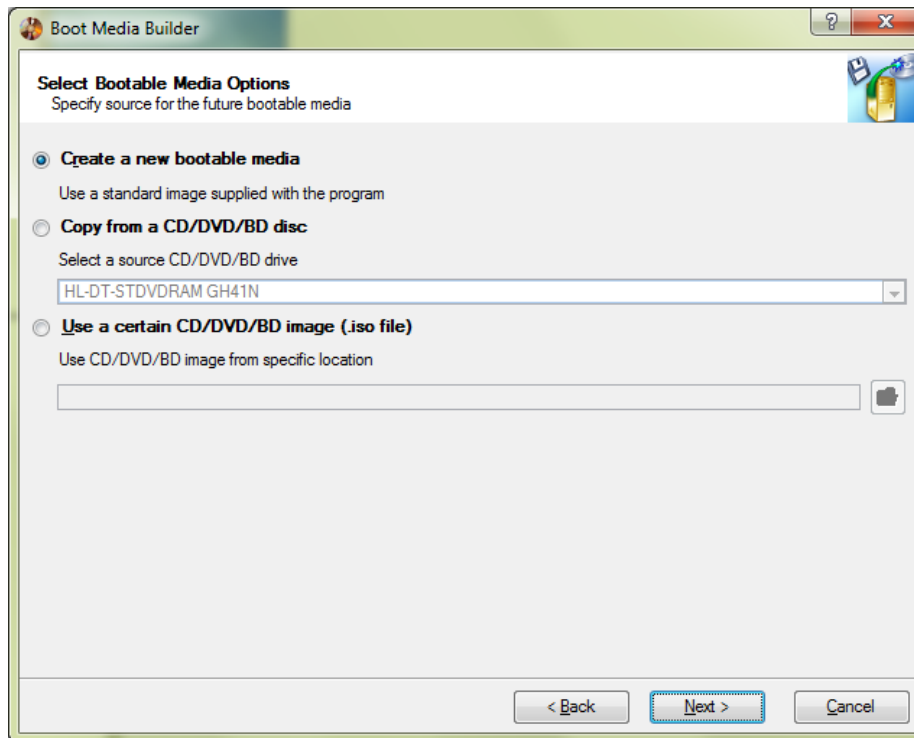
Building a WinPE Environment to Boot Media

1. To run the **Boot Media Builder: Start > Programs** > Paragon product title > **Boot Media Builder**
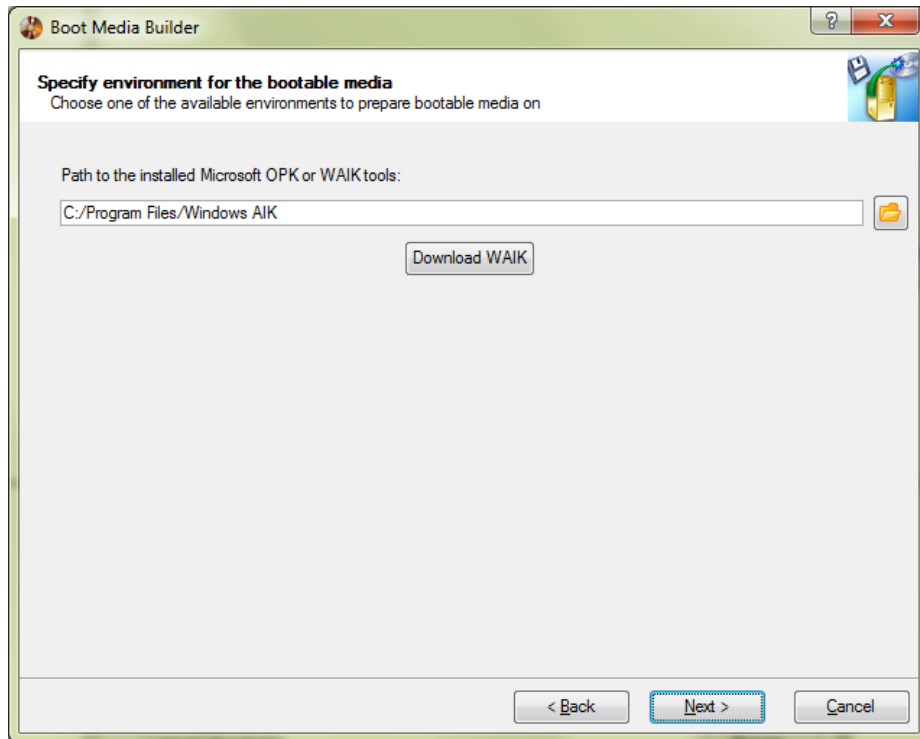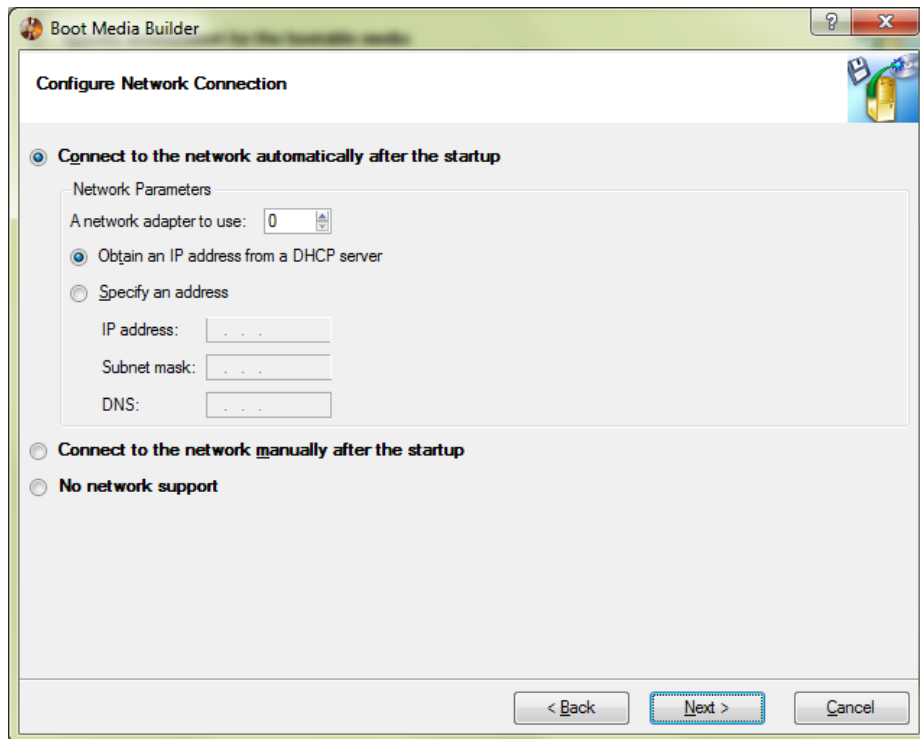
2. Select the Boot Media Type.

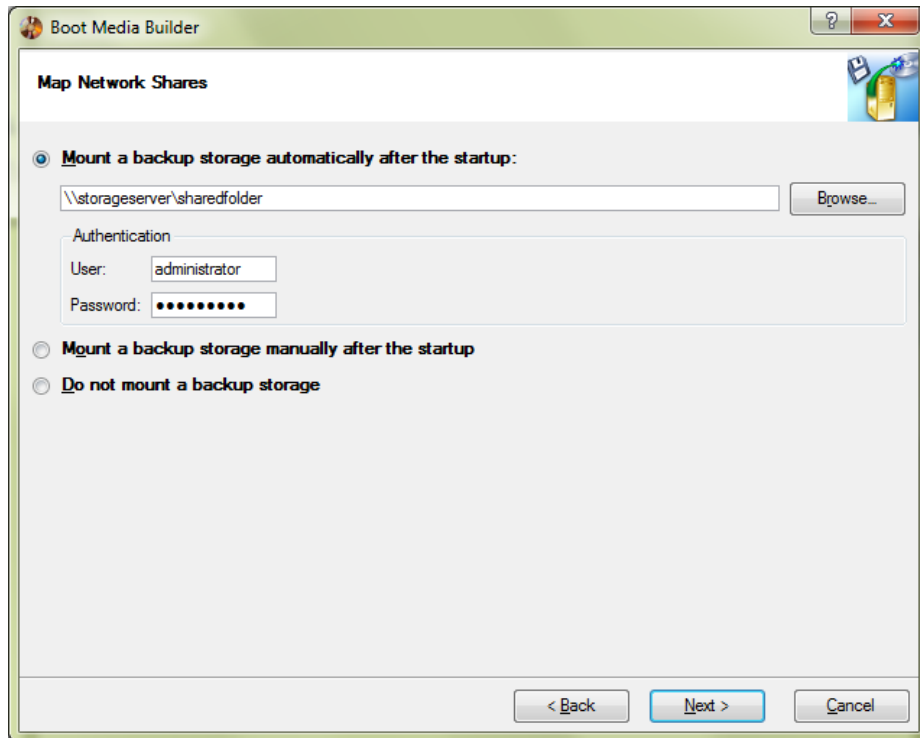3. Select to **Create a new bootable media**.

4. If you have not completed steps 1-7, click on the **Download WAIK**. Otherwise click Next.

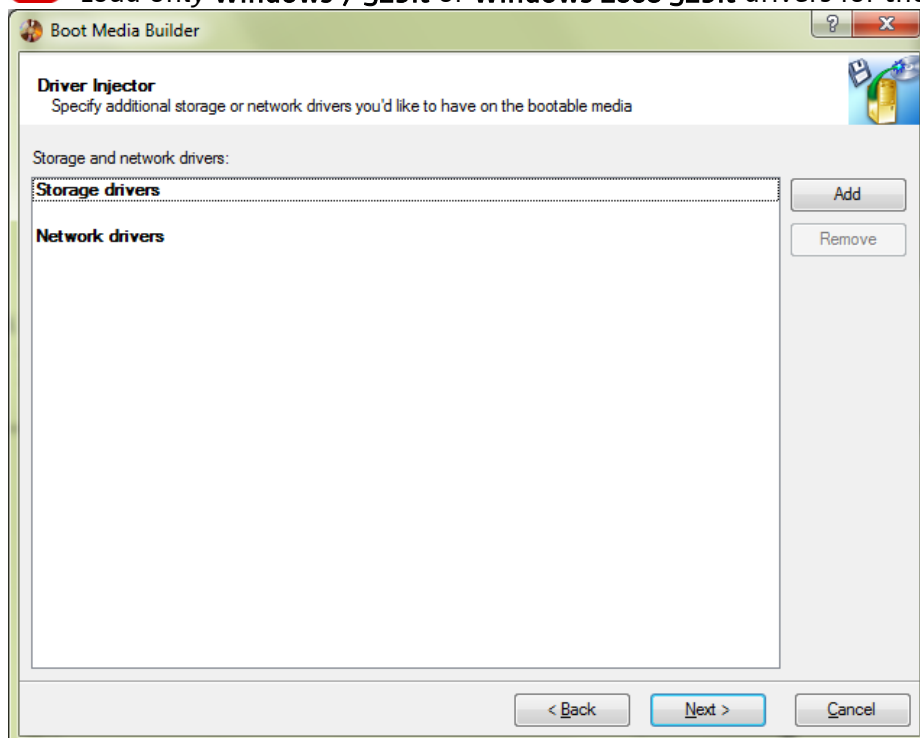5. Configure your Network Connection for the WinPE environment.

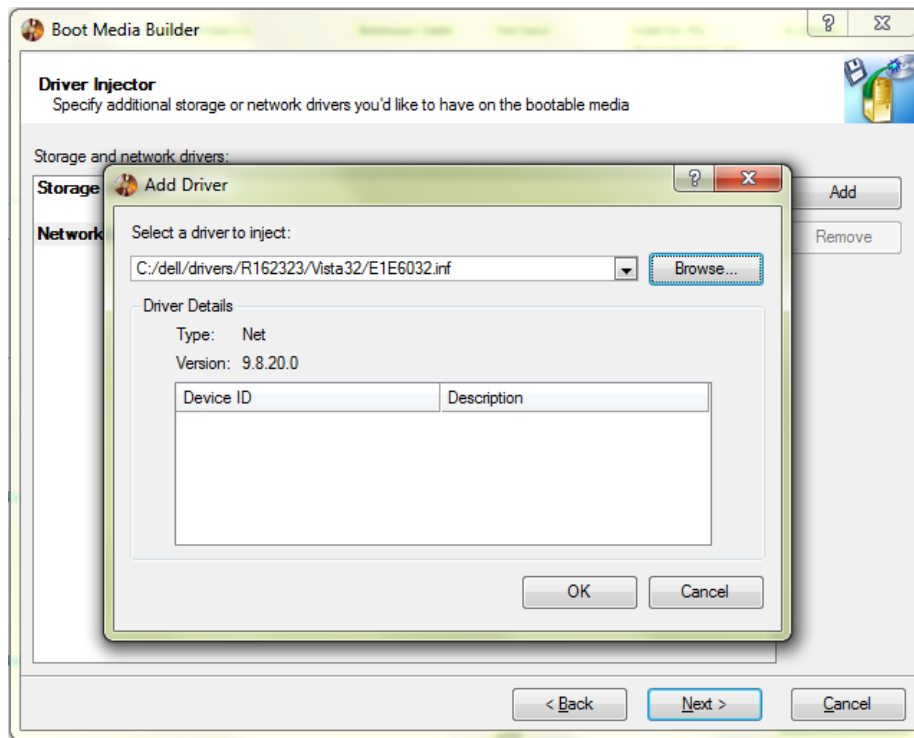**6.** Mount a backup storage automatically after the startup.

7. To load drivers for additional hardware support, use the **Add** button.
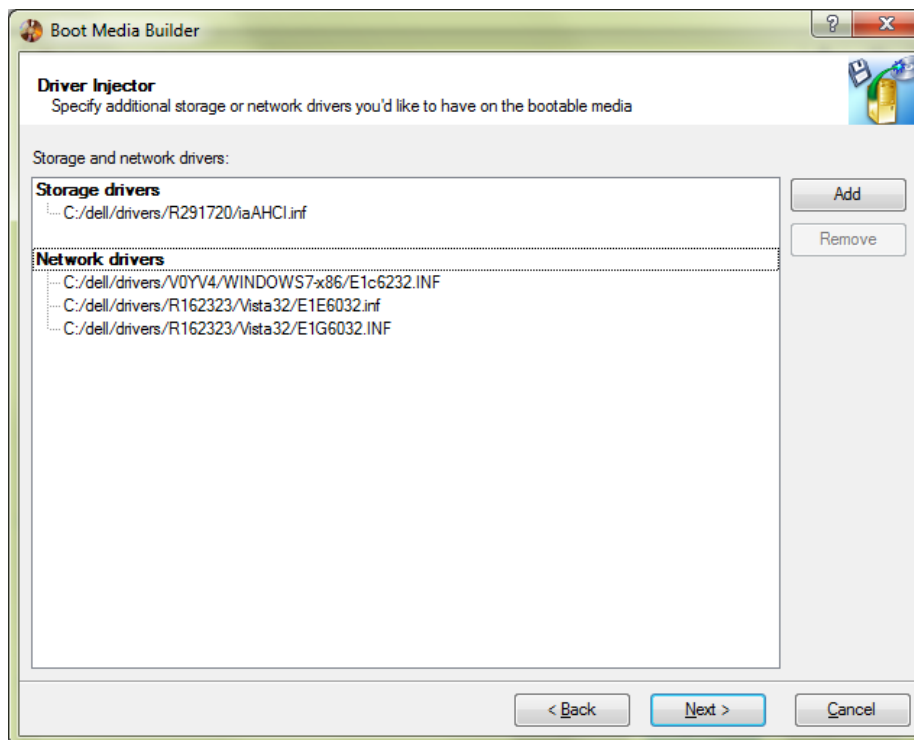
⚠ Load only **Windows 7 32bit** or **Windows 2008 32bit** drivers for the WinPE environment.
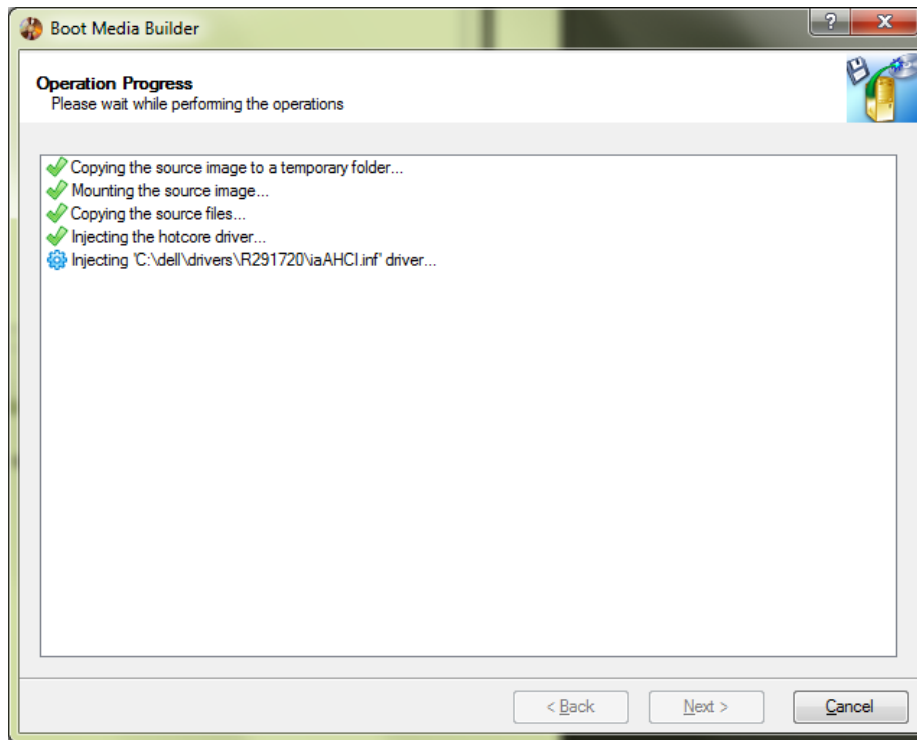
8. Browse for the Windows 7 32bit or Windows 2008 32 bit driver.

9. Click **Next** after you have selected the driver(s) for injection.

10. Select the destination media and complete the Boot Media Builder.

11. The WinPE Recovery Boot Media is now ready to use.

Contacting Paragon Software

If you have any questions about the company products, please do not hesitate to contact Paragon Software.

- **Support website**: www.paragon-software.com/support
- **Product Manuals:** http://www.paragon-software.com/downloads/manual.html
- **Knowledge Base & Technical Support:** kb.paragon-software.com
- **Support Contact Form**: www.paragon-software.com/webform
- **Sales Contact**: sales@paragon-software.com