System Builder Quick Start Guide 5 Step Process
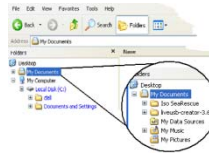
Documentation:	Software & Configuration Tools:
•System Builder Quick Start Guide	•Rescue | Restore ISO
•System Compatibility List	•Rescue | Restore Configurator
•Technical Support Request Form	

Step 1: Setup

In order to deploy the Rescue | Restore software you must first create and configure a USB Flash drive. To do this you will need:

1. <u>Computer</u> with Windows 7, Vista or XP to **create the USB Flash drive** and **configure the Rescue | Restore software**.

2. <u>USB Flash drive</u> with approximately 1 GB of storage. **Note: This USB Flash drive will be formatted during the preparation process so make sure important data is backed up to another device**.

3. <u>Software files</u> located in the Rescue | Restore Download Package:
   - Rescue | Restore ISO: Rescue | Restore software to be loaded onto a USB Flash drive.
   - Rescue | Restore Configurator: Used to modify configuration settings. Installing the application, creates a new shortcut and icon which is visible on the Windows desktop.

   Copy these files into a new folder called 'Seagate' that will be easy to find.

Step 2: Purchase

A3GF1 – G2KM9 – S7YT2 – PJ3M8

Next, to configure the Rescue | Restore software (Step 4) and activate the software (Step 5) you will need to purchase license keys. Keys can be purchased from the Seagate website: http://www.seagate.com/rescue-restore/
- <u>License</u> Key(s) will be emailed to you after you purchase a 5, 10, 50, 100, 500 or 1,000 license key bundle.
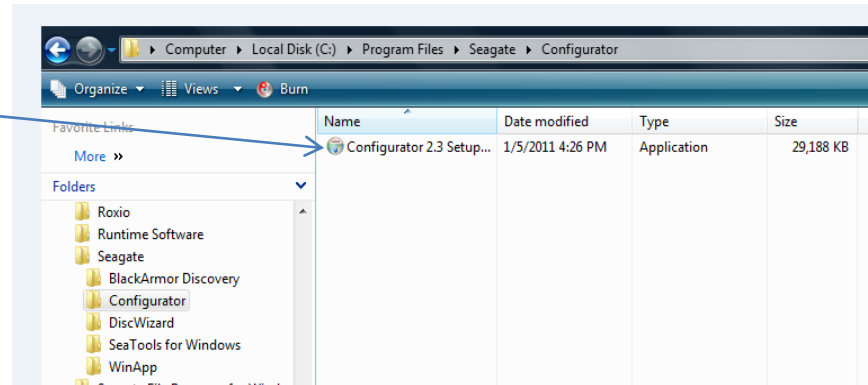- You may also use a 5 count 'evaluation license key' to evaluate the software.

Write down the UserID that is generated when you register for keys. It will be required during the configuration step.
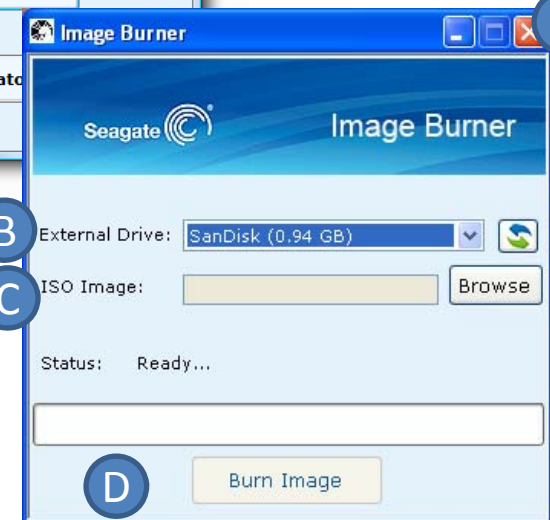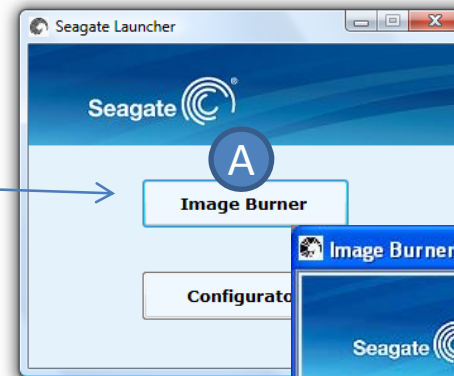
Create the USB Flash drive

1. Run the Configurator setup by double clicking the Configurator_setup .exe file and follow the setup process steps

2. Double click the Configurator desktop icon

3. Burn the image on the USB Flash drive
   A) Select Image Burner option
   B) Select the USB Flash drive that will be used to install the Rescue | Restore software on new computers.
   C) Select the Rescue | Restore ISO file.
   D) Build the image by selecting 'Burn Image'.
   E) Close Image Burner application

   WARNING: This will ERASE the entire USB Flash drive.
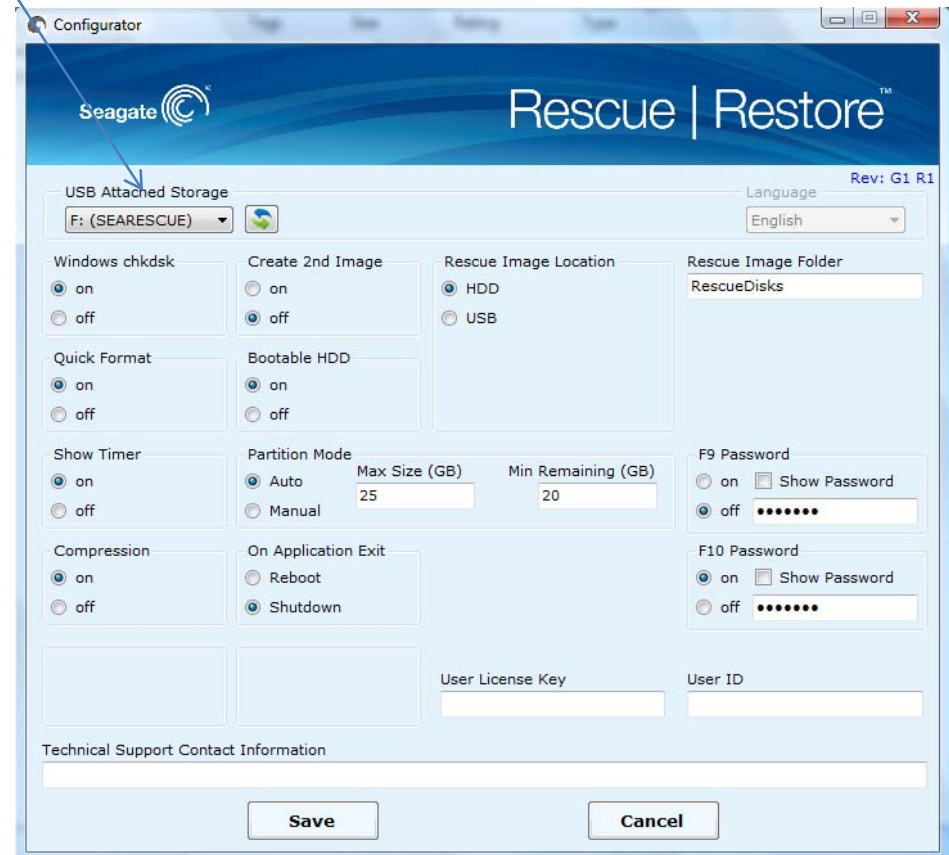
Computer ▸ Local Disk (C:) ▸ Program Files ▸ Seagate ▸ Configurator

Organize ▾ | Views ▾ | Burn

Name	Date modified	Type	Size
Configurator 2.3 Setup...	1/5/2011 4:26 PM	Application	29,188 KB

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Configurator

Seagate Launcher

Seagate

A

Image Burner

Configurato

Image Burner

Seagate   Image Burner

External Drive: SanDisk (0.94 GB)
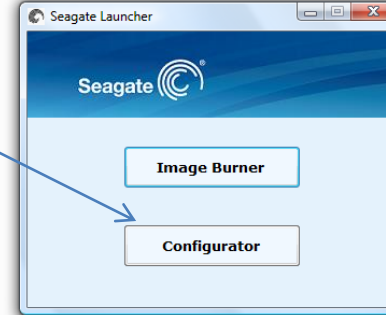
ISO Image: Browse

Status: Ready...

Burn Image

Configure the Rescue | Restore software:

1. Select the Configurator option to run the Configurator utility
2. Ensure the USB Flash drive is selected in the USB Attached Storage drop down menu.
3. Select the settings you wish to configure on the USB Flash drive. **The following page has a detailed explanation of the options.**
4. Save your settings.   Settings will be saved on the USB Flash drive.
5. Safely remove the USB Flash drive from the PC.
6. Now you can deploy the Rescue|Restore software on as many PCs as available with your User License Key.

   Repeat Steps 1-6 for each USB Flash drive you want to deploy in your manufacturing process.
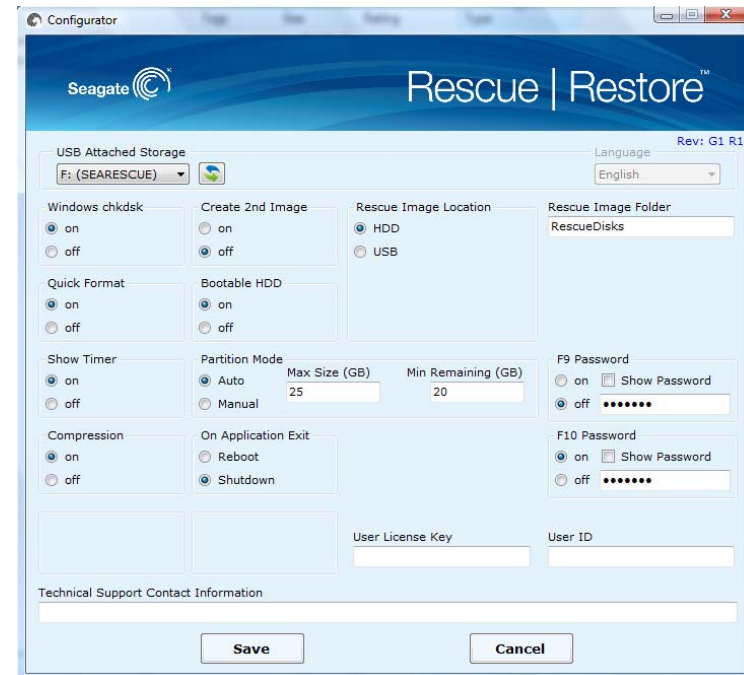
Explanation of Configuration Settings

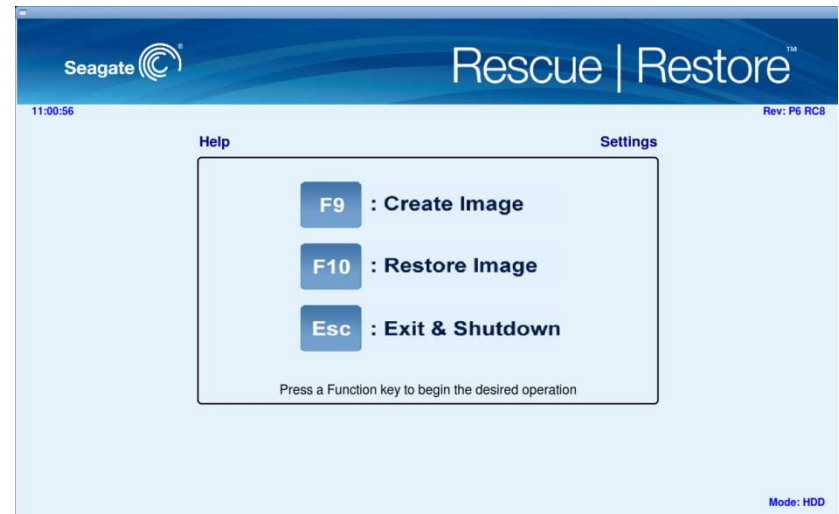| Config Setting:	Details
Windows chkdsk	Checks the file system integrity after the system has been repartitioned.
Quick Format	Sets up an empty file system on the disk and installs a boot sector.
Show Timer	Displays the length of time the F9 or F10 operation took to complete.
Compression	Reduces the size of the recovery image to save space. Not recommended for video or music files.
Create 2nd Image	Creates an additional Restore image in addition to the factory Restore image. This feature should be used for application and configuration updates only. If the 2nd Restore image is 20% larger than the factory Restore image, the factory image will be overwritten with the 2nd image.
Bootable HDD	Creates a dual-bootable hidden partition by installing a GRUB in the MBR of the HDD. This enables the user to access the Rescue	Restore application without booting from a USB Flash drive.
Partition Mode - Auto (Max, Min) - Manual	Creates partition automatically. User must specify: -Maximum size of the Rescue partition -Minimum size of the Primary partition If Manual mode is selected the user can customize the partition size and location.
On Application Exit	System will auto reboot or shutdown at the end of the Rescue image creation process.
Rescue Image Location	Allows user to create Rescue image on the internal hard drive or on an external USB attached hard drive.
Rescue Folder	Name of the Rescue Image.
F9 Password	Requires user to enter a password in order to execute the F9 Rescue function. (Default = seagate)
F10 Password	Requires user to input password in order to execute the F10 Restore function. (Default = seagate)
User License Key	User license key required to activate the software.
User ID	User ID generated during the purchase of software license keys .
Technical Support Contact Info	Enter contact information for technical support. Required to save settings. Example: Acme Computer Services 1-800-555-8828 or acmehelp@acme.com

Run the Rescue | Restore software

1. Insert the Rescue | Restore USB Flash drive that you created into an available USB port on the computer you want to create the Rescue Image
2. Close all open applications and shut down the PC
3. Change the BIOS setup to boot from the USB Flash drive
   1) Enter the BIOS setup screen.
   2) Change the boot order to boot the USB Flash drive first.   You may need to set the boot order to removable media first then set the USB drive as the highest priority removable media
   3) Save changes and exit BIOS Setup
4. Allow the computer to boot from the USB Flash drive. After 30-40 sec, the Rescue | Restore Main Menu will appear
5. Use the function keys or mouse to execute the F9 function:
   - **A live connection to the Internet must be maintained during this process to activate the software.**
6. Press ESC to shutdown or allow automatic shut-down or reboot if it has been configured
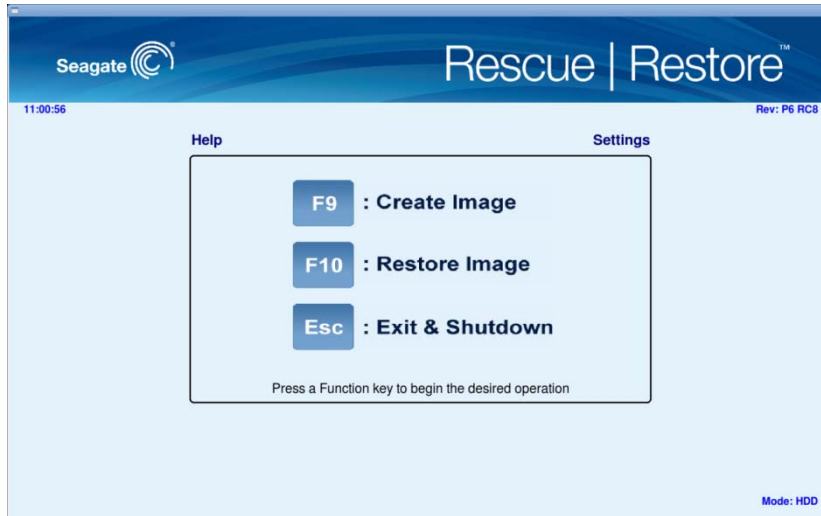
System Requirements and Technical Support:

- OS Supported: Windows XP, Vista, Win 7
- Single or Multiple partitions (Max. of 3 partitions)
- File systems supported: NTFS
- Any vendor's HDD with capacities ranging from 40G - 2TB PATA or SATA interfaces
- Minimum 5GB to 10 GB available for the Rescue image
  - Assume a typical newly installed OS with some starter apps and drivers is approximately 6GB to 12GB
- Tested systems are listed in the **System Compatibility List**
- Please use the **Technical Support Request** form to communicate technical issues to Seagate. **Please send the form using the following link: http://support2.seagate.com**

Shortcuts

The following shortcuts are available from the Rescue | Restore Main Menu:

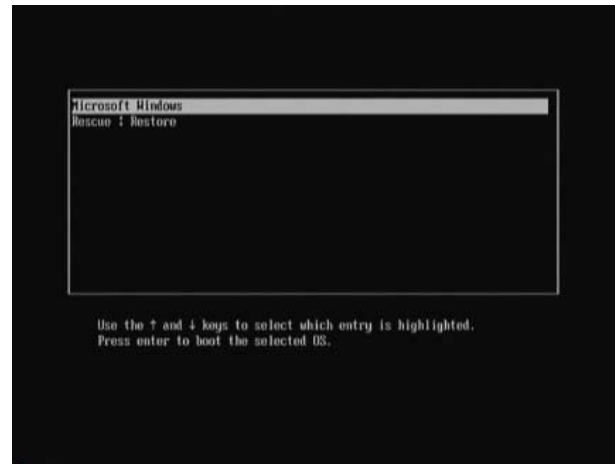| Shortcuts:	Details
F1	List of all Rescue	Restore function key definitions
Alt F1	Used to temporarily change configuration settings. In order to permanently change config settings on the USB Flash drive you must install and run the Configurator application.
F2	OS and drive information Shows all attached drives and partitions
F3	Technical support contact information.
F5	Drive health self test (SMART) Select quick test, short test, or long test
F6	Delete rescue image Eliminates the hidden rescue image partition
F9	Creates rescue image on an internal or external storage device
F10	Restores image from an internal or external storage device
ESC	Press ESC to shutdown or re–start application

Steps to Restore System

Steps	Details
Prepare your system for the Restore operation	•Backup critical data and settings if possible. *Note: All data will be permanently erased and the system will be restored to factory settings or the 2nd Recovery image if one was created.* •Shut down PC
Select Rescue | Restore	During the boot-up process hit the Esc key. Select Rescue | Restore to enter the Rescue | Restore application
Select F10	Enter password if prompted (to be provided by System Builder). Accept End-user License Agreement . Select the Image to restore: •User/Refresh Rescue Image •Original/Factory Rescue Image After confirmation that user understands drive will be reimaged and user data will be lost, restoration of system image will commence. Restoration takes approximately 45 second per GB.
Press ESC to Shutdown	Press ESC to shut down or allow automatic shut down or reboot if configured.

Restore Handout

To enable the easy restore experience, the system builder must have selected the following during the configuration process:
•Bootable HDD: On
•Rescue Image Location: HDD
•If an F10 Restore Password was configured, it must be provided to the user

Microsoft Windows
Rescue | Restore

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS.

Image Selection

Seagate

Image Name	Date/Time
User/Refresh Rescue Image	2011-07-08 (03:26:07)
Original/Factory Rescue Image	2011-07-08 (03:22:23)

OK   Cancel

Rescue Handout

Steps to Create a 2nd Rescue Image

Steps	Details
Prepare your system for Rescue operation	**Finalize settings and system configuration** **Shut down PC**
Select Rescue / Restore during boot-up	**During the boot-up process hit Esc key.** **Select Rescue | Restore to enter the Rescue | Restore application**
Check Settings (Alt-F1)	**Windows chkdsk: On** **Compression: On** **Create 2nd Image: On** **Bootable HDD : On** **Partition Mode: Auto** **Rescue Image Location: HDD**
Select F9	**This takes approximately 90 seconds per GB**
ESC to Shut down	**Press ESC to shutdown or allow automatic shut down**

To enable this easy process for the creation of a second rescue image, the system builder must have selected the following during the configuration process:

- Create 2nd Image: On
- Bootable HDD: On
- If F9 Password was set system builder must provide to user.

This feature should be used for application and configuration settings updates only.

This feature should NOT be used for backup purposes to store user data.

If the 2nd Restore image is 20% larger than the factory Restore image, the factory image will be overwritten with the 2nd image.