

FarStone RestoreIT[®] 7

User Guide

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Contents

Chapter 1: Introduction	9
1.1 Product Overview	9
Chapter 2: Installing and Uninstalling RestoreIT®	10
2.1 System Requirements.....	10
2.2 Installing RestoreIT®	10
2.3 Uninstalling RestoreIT®	11
Chapter 3: RestoreIT® Specific Terminology	12
3.1 RestoreIT® Secure Area	12
Chapter 4: Start Using RestoreIT®	13
4.1 Activation and Deactivation.....	13
4.1.1 Activation	13
4.1.2 Deactivation.....	15
4.2 Main Console	18
4.2.1 Quick Start.....	18
4.2.2 Jobs	18
4.2.3 Settings.....	20
4.3 Create a System Snapshot.....	21
4.4 Return to a System Snapshot.....	22
Chapter 5: RestoreIT® Recovery Manager	23
5.1 Quick Start	23
5.2 Return to a System Snapshot in Recovery Manager.....	23
Chapter 6: Glossary	25
Chapter 7: Appendix	26
7.1 Frequently Asked Questions.....	26

Chapter 1: Introduction

1.1 Product Overview

RestoreIT[®] 7 back up an entire computer system automatically to the Secure Area. The RestoreIT[®] 7 also provide a fast method to recover from software-related data disasters. RestoreIT[®] 7 is sector level backup function. RestoreIT[®] 7 stores only the changed data sectors into the RestoreIT[®] 7 Secure Area. The amount of storage capacity required for each snapshot is substantially less than the entire amount of data on the hard drive. As a result, RestoreIT[®] 7 offers a significant savings of hard drive space and an increased restoration speed when compared with hard drive imaging or complete disk cloning methods.

Chapter 2: Installing and Uninstalling RestoreIT[®]

2.1 System Requirements

- CPU: Pentium or higher
- RAM: 512 MB or more (1 GB or more for Vista)
- Supported Desktop Operating Systems: Windows[®] XP (32-bit & x64), Windows[®] Vista (32-bit & 64-bit), Windows 7

2.2 Installing RestoreIT[®]

1. Select **Setup**, and click **Next**.
2. Select the language preference of the application, and click **Next**.
3. Carefully read the software license agreement. If you accept the terms of the agreement, select **I accept the terms in the license agreement**, and click **Next**.
4. Enter your personal information and **serial number**, and click **Next**.



Note

Installation without purchasing a serial number will activate a time-limited evaluation version of RestoreIT[®].

5. Click **Next** to install to the default folder, or **Change** to select another location.
6. Click **Install** to launch the installation process.
7. Allocate the space for Secure Area(at least 1200MB),click **Secure Area** to set the size manually, or select the partition(just for system partition) manually. Click **Next**.
8. You can select **Disable System Restore**. Then click **Next**.
9. Click **Finish** to complete the installation. You are required to restart your computer to launch RestoreIT[®].

2.3 Uninstalling RestoreIT®

1. From the Windows Start menu, select **Start ->Settings->Control Panel**.
2. Double-click **Add/Remove Programs**, and select **Change** or **Remove Programs**.
3. Select **RestoreIT®**, and click **Remove** to begin uninstalling the associated component.

Chapter 3: RestoreIT[®] Specific Terminology

3.1 RestoreIT[®] Secure Area

RestoreIT[®]'s Secure Area is a virtual partition which is created onto the hard drive's free space. This location is hidden, protected, and accessible only by RestoreIT[®]. The secure area is used to store the system snapshots and the RestoreIT[®] Pre-OS. It will not be influenced by most computer disasters, so it ensures the protection of your data and the efficiency of RestoreIT[®].

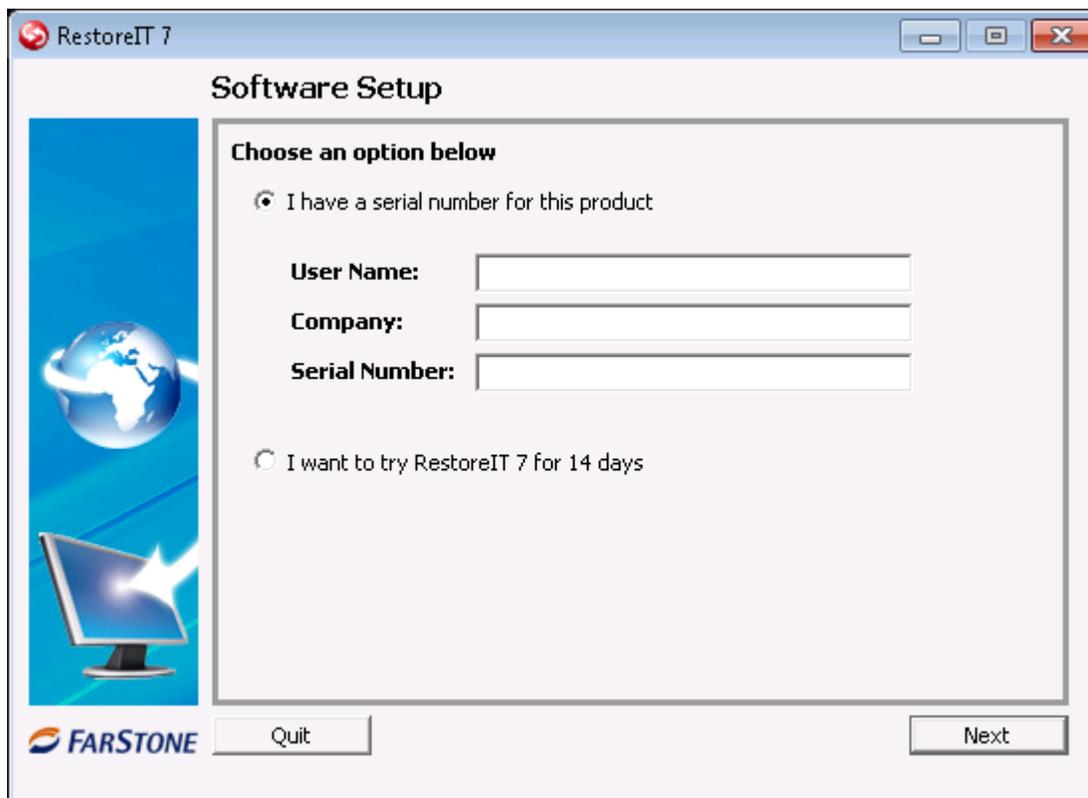
Chapter 4: Start Using RestoreIT®

To launch RestoreIT®, double-click the **RestoreIT®** icon on your desktop or select **Start** → **All Programs** → **FarStone RestoreIT®** → **RestoreIT®**.

4.1 Activation and Deactivation

4.1.1 Activation

If you don't purchase a serial number when installing the product, you will see the following dialog box:



If you select **I have a serial number for this product**, please enter your personal information and serial number, then click **Next** to continue.

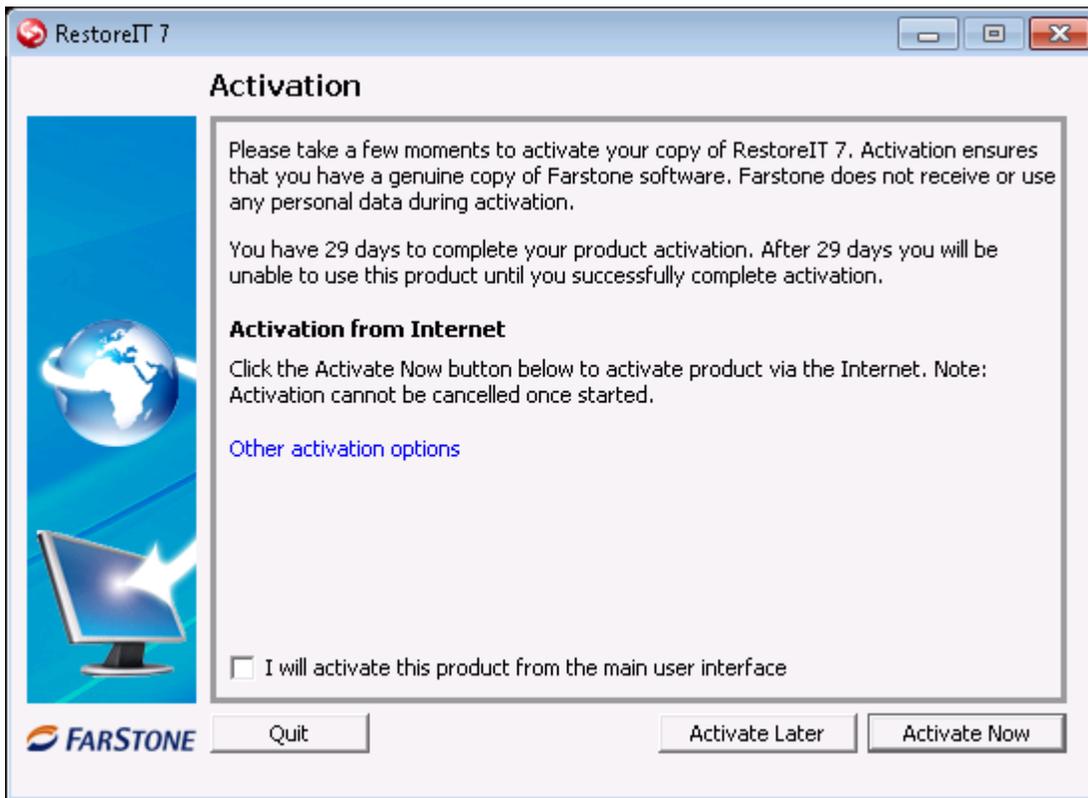
If you select **I want to try FarStone RestoreIT® for 14 day(s)**, you can use the product within 13 days. Then click **Next** to continue.



Note

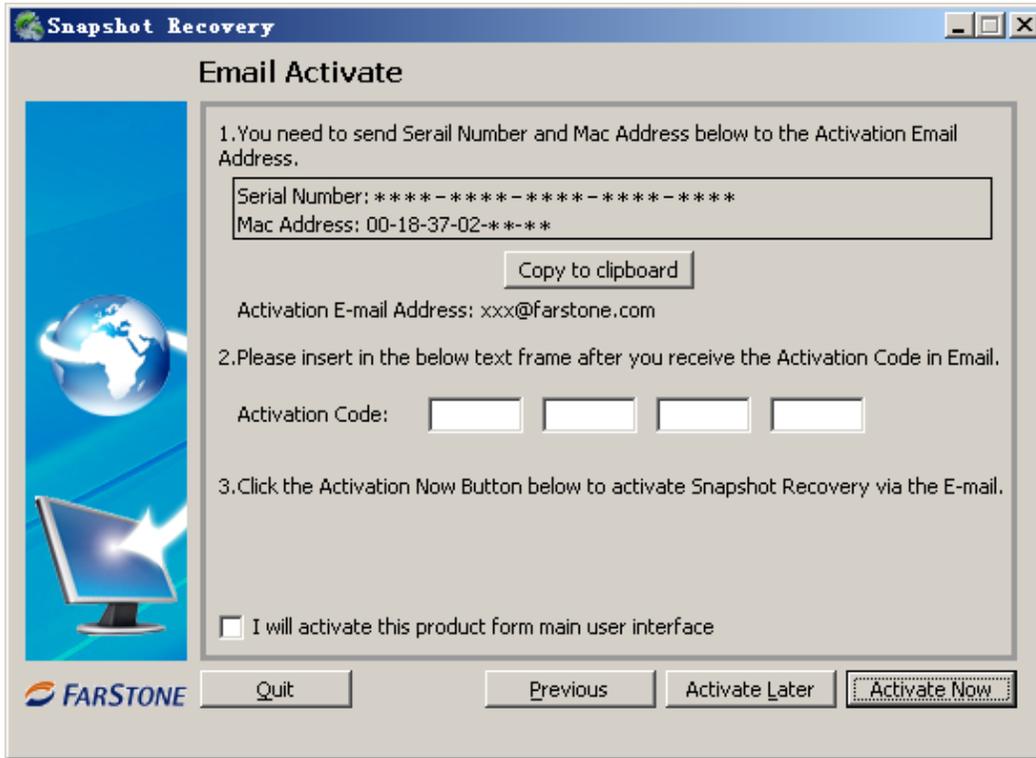
Activation Times Count Exceeded, please log on to <http://www.farstone.com/support/user-profile/support-ticket.php> for more assistances.

If you input a serial number when installing the product, you will see the following dialog box:



If you click **Activate Now**, you will activate the product successfully, then click **Next**, a dialog box will pop up, click **Yes** to enter a web site to register the product. Then you will enter the main console.

If you click **Other activation options**, you will activate the product via e-mail. A dialog box will pop up:

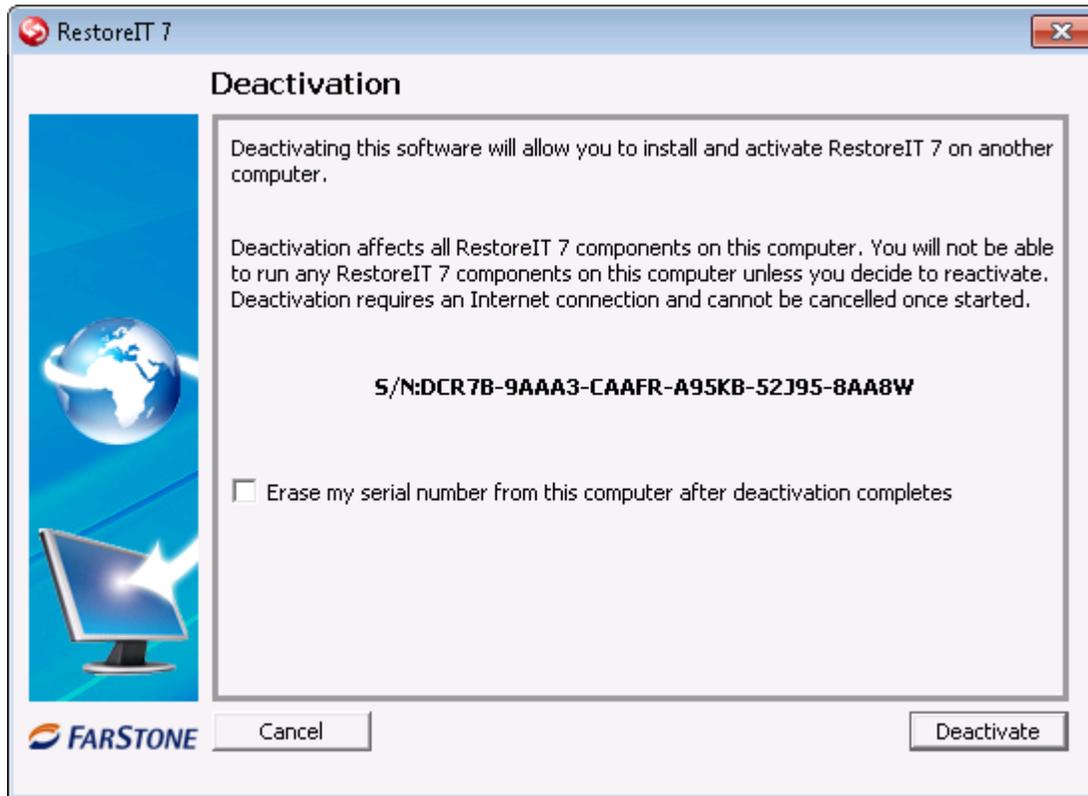


1. Click **Copy to clipboard** button to copy the serial number and Mac address to send to the activation address: Activation@farstone.com.
2. Our technical support engineer will send you a Activation Code via e-mail, just input the activation code to the specified frame.
3. Click **Activate Now**.

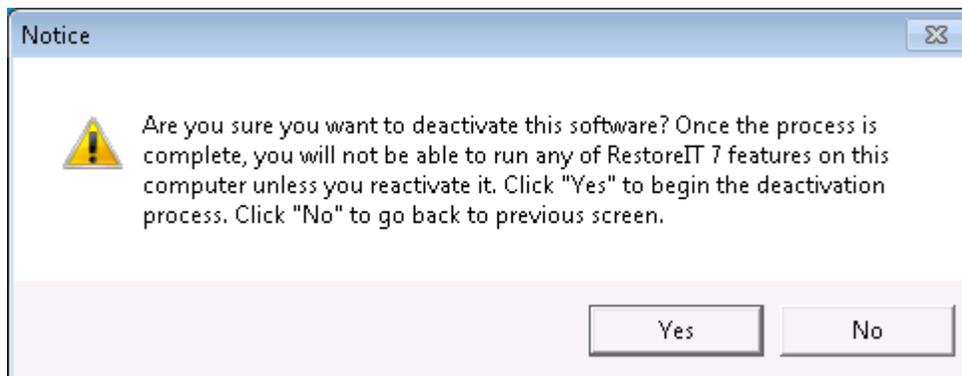
4.1.2 Deactivation

Deactivation steps:

1. Click **Help** on the main console, select **Deactivation**, you will see the following dialog box:



2. Click **Deactivation**, a dialog box will pop up:



3. Click **Yes** to deactivate successfully, then click **Quit**, you will see the following dialog box:

You can choose whether to uninstall the product from this computer.



Note

If you select **Erase my serial number from this computer after deactivation completes**, and continue using the product, the product will be a trial version.



Tip

If you want to run the activated program on other computers with the same serial number, please run the deactivation program from this computer.



*RestoreIT® Main Console

4.2 Main Console

4.2.1 Quick Start

This displays a shortcut menu for Create a System Snapshot (Undo) and Return to a System Snapshot.

Create a Restore Point – Click here to start creating a Restore Point and back up your computer.

Return to a System Snapshot– Click here to restore the system from a specified system snapshot.



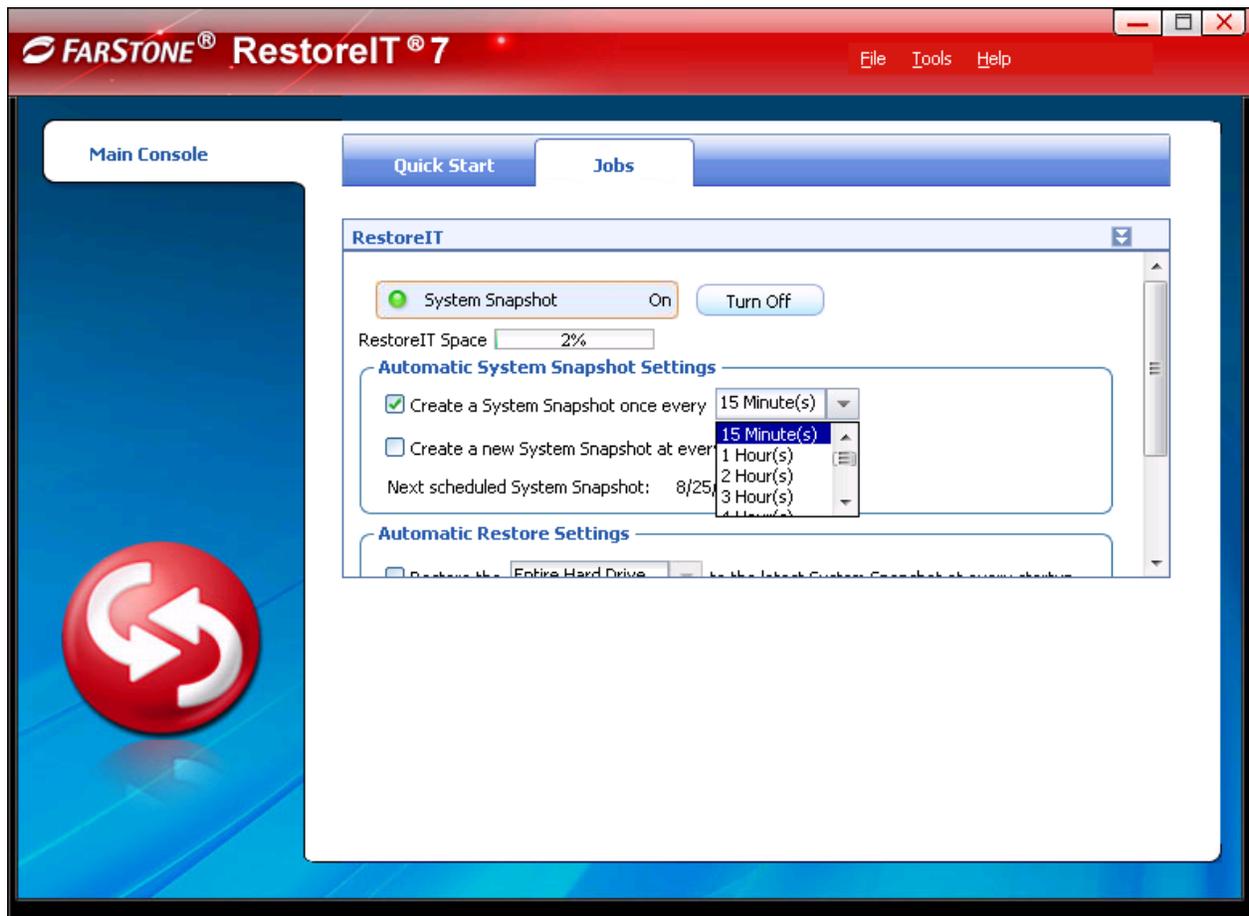
4.2.2 Jobs

View existing Snapshot jobs.

- **RestoreIT** – Set the frequency for the automatic creation of a System Snapshot, and intervals for automatic restoration. Also you can enable/disable System Snapshot by clicking the button **Turn On** or **Turn Off**.

Automatic creation of System Snapshots

- a. **Create a Snapshot every x hour(s)** – Create a Snapshot every 1 to 24 hours.



*Automatic System Snapshot



Note

If the system is set to create a snapshot every hour, RestoreIT® will take the first snapshot an hour after the creation of the most recent system snapshot.

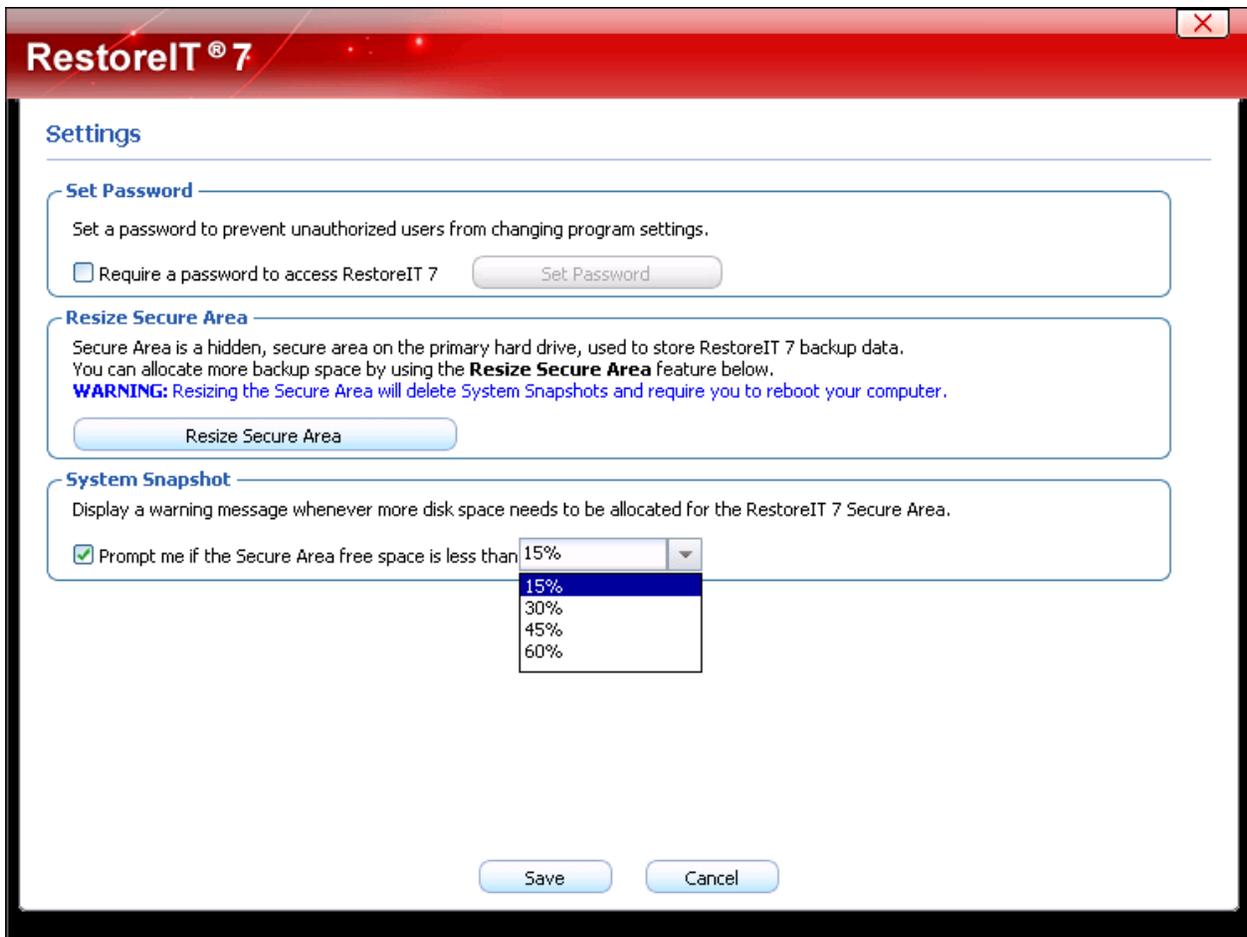
- b. **Create a Snapshot at system startup** – Create a new System Snapshot automatically every time the computer boots up.
- **Intervals for Automatic Restoration**
 - a. **Restore computer at every startup** – Check this box if you want RestoreIT® to restore from the most recent System Snapshot every time you start your

computer. You can either just restore the system partition or the entire hard drive. If you choose to only restore the system partition, all Snapshots created before the restore point will be available for system partition restoration only.

- b. **Set the time for rebooting your computer** – You can also select a time to automatically restart the computer. The computer will be restarted and restored according to these set times as well as at system startup. This option can be enabled only if you select option a.

4.2.3 Settings

By clicking **settings** in the tools' drop-down menu in the upper right corner of the main console, the following box will pop up for you to set.



- **Require password access to RestoreIT®** – Check this box to enable users to set a password to prevent other unauthorized users from changing program settings.

1. Click **Set Password**.

2. Enter your password (maximum of eight characters) and re-enter it to confirm your password .



Tip

If you enter an incorrect password five consecutive times, RestoreIT® will shut down automatically (you can try to enter the password again by restarting the application). Please memorize your password and keep it confidential.

3. Click **OK** to finish.
- **Resize Secure Area** – By using the **Resize Secure Area** feature, users can allocate more backup space. **Secure area** is a hidden, secure area on the primary hard drive, used to store RestoreIT® backup data.
 1. Select **Resize Secure Area**.
 2. Allocate space from each partition listed for the Secure Area. The allocated space for the Secure Area cannot be larger than the available space.
 3. Click **Save** to start resizing your Secure Area. Click **Cancel** to return to the main console.
 4. Click **OK** to restart your computer and complete the process.
 - **System Snapshot** – When users select this check box, users can set the percentage of secure area free space. RestoreIT® will automatically display a warning message if the ratio is smaller than this space.

4.3 Create a System Snapshot

This feature is available only if you install it by clicking **Install System Snapshot(Undo)** on the main console.

1. Click **Create a System Snapshot** to start creating a System Snapshot.
2. Enter a name for the System Snapshot. Click **Next** to continue. To return to the previous menu, click **Cancel**.
3. After you choose a way to create the system snapshot, click **Next**.
 - i. If you select **Start Now**, RestoreIT® will initiate the process after clicking **Next** twice.

- ii. If you set a schedule, specify the frequency for creating or restoring from a System Snapshot automatically. (For more detail about scheduling, please [refer to 4.1.2](#))
4. Confirm all the settings, and then click **Next** to launch the backup process or click **Previous** to modify any setting.
5. If any program is currently writing data to the hard drive, RestoreIT® may not be able to create a System Snapshot.
6. Click **Finish** when a System Snapshot has been successfully created. You can also click **Edit Schedule** to specify how often a System Snapshot should be automatically created and specify if the system need to be restored automatically.

4.4 Return to a System Snapshot

This feature is only available if you install System Snapshot and take system snapshots on your system.

1. Click **Return to a System Snapshot** on the main interface.
2. Select the date you want to restore to from the calendar on the left pane and select the System Snapshot of that day you would like to restore to on the right pane and click **Next**. You can also click **Preview System Snapshot** to view its content prior to restoration. Then if you want to close the Preview Drives, click **Unmount Preview Drive** in the **Tools** menu to close the Preview Drives.
3. Choose to restore the **Entire Hard Drive** or **C : Drive Only** and then click **Next** to begin the restoration.



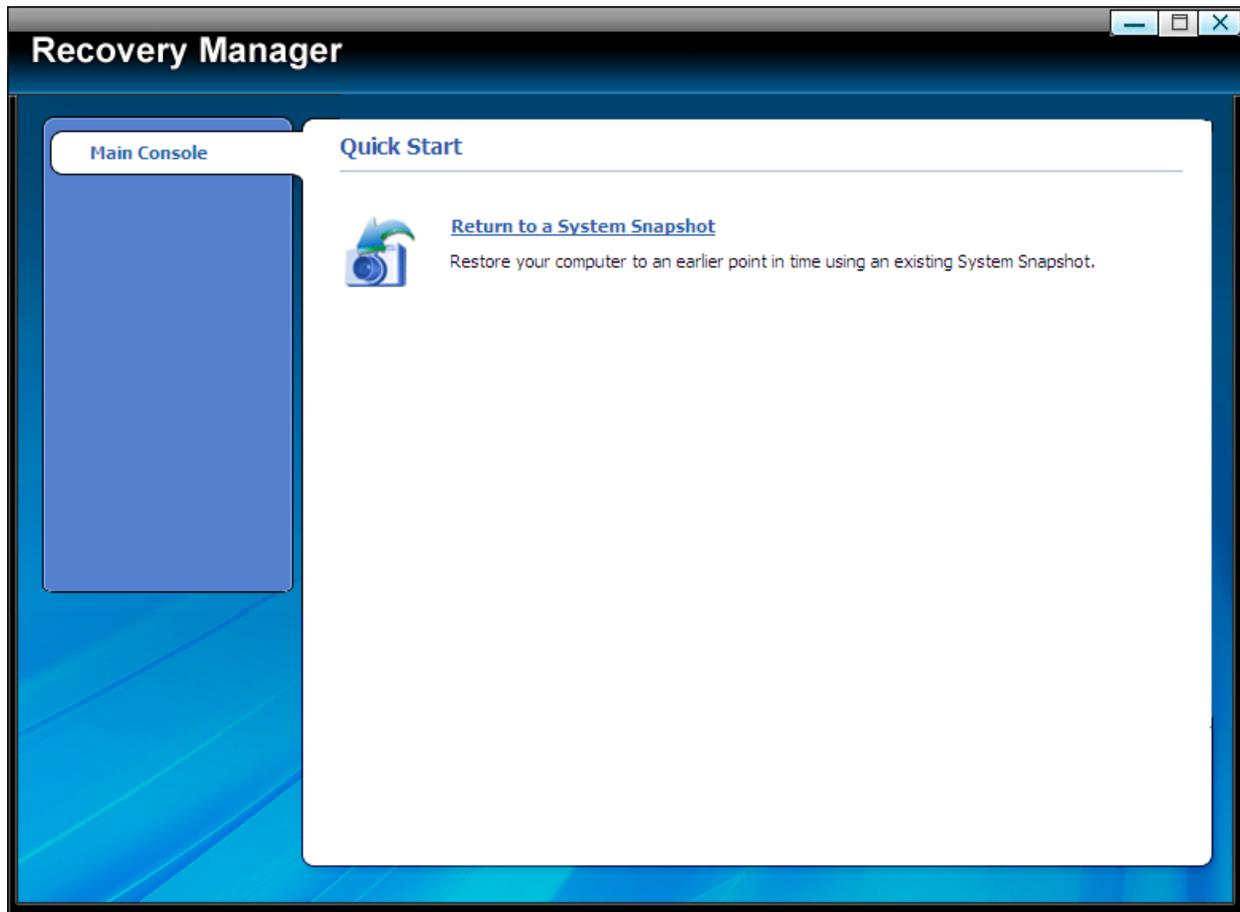
Tip

If the user chooses to restore the C Drive only, System Recovery only restores the files of the active partition. All of the System Snapshots created before the restoration point can only be used to restore the C: drive.

4. Carefully read the warning message. Click **OK** to proceed to the next step. You can also click **Cancel** to exit.
5. Your computer will restart automatically to start the restoration process.

Chapter 5: RestoreIT® Recovery Manager

To launch the RestoreIT® Recovery Manager, press F4 to enter the Recovery Manager, you will see the following window.



5.1 Quick Start

Return to a Restore Point – Click here to restore from a specified system snapshot.

5.2 Return to a System Snapshot in Recovery Manager

1. Click on **Return to a System Snapshot** icon to display a list of System Snapshots. The first System Snapshot listed will be the most recently created snapshot.

2. Select the date you want to restore to from the calendar on the left pane and select System Snapshot of that day you would like to restore on the right pane and click **Next**.
3. Choose to restore the **Entire Hard Drive** or **C : Drive Only** and then click **Next** to begin restoration.



Tip
If the user chooses to restore the C Drive only, RestoreIT® only restores the files of the active partition. All of the System Snapshots created before the restoration point can only be used to restore C: drive.

4. Carefully read the warning message. And then click **OK** to proceed to next step. You can also click **Cancel** to exit.
5. Your computer will restart automatically to start the restoration process.

A complete restore can take from 20 seconds up to 10 minutes, depending on the number of files affected. Once the system has restarted, your SYSTEM will be restored from the chosen System Snapshot. All file modifications and additions made after System Snapshot date will be removed.

Chapter 6: Glossary

- **Secure Area**

The Secure Area is a Virtual Partition on the primary hard drive. It uses dispersed free hard drive space to create a logically continuous storage area. This area is hidden in Windows and protected and accessible only by RestoreIT® Pro.
- **System Snapshot**

System Snapshots are incremental points-in-time of a computer system's state at a given moment. RestoreIT® Pro monitors all sector-level changes from the last Snapshot and writes any changes to a new Snapshot. This backup usually takes only seconds to complete. Snapshots offer the quickest way to restore a damaged Windows system to a working state.
- **System Partition**

The system partition refers to the disk volume that contains the hardware-specific files that are needed to launch Windows (for example: Ntldr, Boot.ini, and Ntdetect.com). On dynamic disks, this is known as the system volume.
- **Boot Partition**

The boot partition refers to the disk volume that contains the Windows operating system files (by default, in the WINDOWS folder) and its support files (by default in the WINDOWS\System32 folder). The boot partition can, but is not required, to be the same partition as the system partition. There will be one (and only one) system partition, but there will be one boot partition for each operating system in a multi-boot system. On dynamic disks, this is known as the boot volume.

•

Chapter 7: Appendix

7.1 Frequently Asked Questions

Q. I started RestoreIT® in Windows immediately after installation completed, but a message says that I have to restart my computer in order to run it. Why?

A: You have to restart your computer after installing RestoreIT®, in order for all configuration changes to take effect.

Q. When I restored a partition from an image file, RestoreIT® Pro prompted me that "There is not enough space on the Destination Partition". But I'm sure the free space on the Destination Partition is larger than the used space in the Source Partition. Why am I getting this prompt?

A: If data at the end of the source partition cannot be moved, RestoreIT® will prompt you with this notice.

Q. Do I need to do anything before installing RestoreIT®?

A: We recommend running Windows Check Disk to scan for hard drive errors.

Q. Can RestoreIT® fix my system after my hard drive has been accidentally formatted or repartitioned?

A: Yes — if RestoreIT® was installed prior to the incident.

Q. Can I use disk tools such as Fdisk, PartitionMagic and Norton Speed Disk after installing RestoreIT® on my computer?

A: Currently there is no known resource conflicting with those utilities.

Q. Does RestoreIT® work in Windows Safe Mode?

A: RestoreIT® does not work in Windows Safe Mode.

Q. Can RestoreIT® protect my PC from a destructive virus?

A: While RestoreIT® cannot prevent the actual virus attack, it can restore your computer to a point before the attack occurred, recovering your files and effectively removing the virus.

Q. Does RestoreIT® Provide support for Windows® advanced power management?

A: RestoreIT® supports all Windows® advanced power management features (Standby, Sleep, Hibernate).

Q. Why was my System Snapshot deleted automatically?

- A:
1. If there are two operating systems on your computer with only one of the systems installed with RestoreIT® Pro, when you enter the operating system which does not have RestoreIT® Pro installed and modify the hard disk data, the system snapshot will be deleted automatically.
 2. If you connect your hard drive physically to another computer and modify your data, the system snapshot will be deleted automatically.
 3. If you use DOS Bootable Rescue Disk to start the system and modify your data, the system snapshot will be deleted automatically.

Q. Does the RestoreIT® conflict with any other applications?

A: Please close the following applications when launching RestoreIT® Pro: Utimaco SafeGuard,

Besides, be aware of the following applications, which is conflict with system snapshot:

Norton GoBack, RecoveryGenius, Acronis OS Selector, Acronis TrueImage, SafeguardV4.2, OSL2000

Q. Which partition types does RestoreIT® recognize?

A: NTFS, FAT, FAT32, Linux Ext2 and Ext3.