

## Zone Description

SMART RESTART™ uses a unique zoned architecture to manage and protect your entire personal computer. The Protected Zone is like a vault where you permanently store and protect important files from modifications and accidental deletions. The Keep Zone is a collection of folders, where you keep active working files like photos, music, movies, E-mail, word documents, etc. The Temporary Zone is like a dumping ground for all other files (known and unknown). Unprotected files temporarily reside in this zone, but will be erased when you restart your computer.



### **Technical Nature of the Protected Zone**

The Protected Zone is an area on your hard drive where you store or keep non-active files. These are files that you do not want to delete or change. These may include files dealing with installed software, system settings, and files that you wish to permanently store and protect from change. This area is automatically created during the installation of SMART RESTART™. It includes all folders on your hard drive (C:) not held in the Keep Zone. Files stored in the Protected Zone cannot be permanently changed or deleted while SMART RESTART™ is enabled.

For example, if you need to install a new program on your computer, the new program needs to be installed on the hard drive in the Protected Zone. To install software into the Protected Zone, first turn SMART RESTART™ protection OFF. Install the software. Once installation is complete, turn SMART RESTART™ protection ON. The installed software is now in the Protected Zone.

### **Technical Nature of the Keep Zone**

The Keep Zone is an area on your hard drive where you store or keep active, working files like photos, music, movies, E-mails, Word documents, etc. This area is automatically created during the installation of SMART RESTART™. Files stored in the Keep Zone can be permanently changed even with SMART RESTART™ enabled. In contrast, the contents of the Protected Zone cannot be permanently changed while SMART RESTART™ is enabled. When you uninstall SMART RESTART™ all of the data in Keep Zone is copied back to its original location on the hard drive.

For example, if a Word document is created and saved to **"My Documents,"** which is located in your user folder, it will be found within the Keep Zone. You may permanently modify the document, regardless of the protection status of SMART RESTART™.

**IMPORTANT KEEP ZONE WARNING:** Do not compress your C: drive or any other protected drives or partitions. Doing so prevents SMART RESTART™ from functioning properly, resulting in an unrecoverable loss of data within the Keep Zone area.

## **Technical Nature of the Temporary Zone**

The Temporary Zone is a location in virtual memory (not accessible to a user) that SMART RESTART™ uses for writing, reading, and tracking changes a user makes to the system while protection is enabled. (When protection is disabled, all changes are written directly to the hard drive.)

When a user makes a change to any data on the system, SMART RESTART™ is tracking and writing all of the user's changes to the Temporary Zone; it is also reading all these changes from the Temporary Zone. In actuality, the system reads and writes the user's changes to and from this location only, never altering the "real" information on the hard drive. To the user, however, it appears as if the changes are actually being saved.

**Note:** You may need to adjust the size of the Temporary Zone depending on the normal use of your computer. A computer that regularly runs memory intensive applications such as a graphics manipulation program would require a larger Temporary Zone than one used exclusively for word processing. Do not set the size of the Temporary Zone to more than half of your free hard drive space.