

## **Before Your 1st Backup**

We have prepared this User's Guide to help you get the most out of your Iomega Backup software. Please read the following three sections before you begin your first backup. These sections will give you a quick overview of Iomega Backup, helping you decide which components will best meet your needs.

[Introducing Iomega Backup](#) highlights the key features of Iomega Backup and will get you pointed in the right direction.

[Protecting all Your Stuff](#) is a "must read!" It contains very important information and instructions about preparing yourself and your stuff in case the ultimate disaster occurs—your computer wakes up one morning with a bad case of amnesia!

[Navigating in Iomega Backup](#) lets you in on the mouse and keyboard navigational secrets that Iomega Backup has in store for you.

## **Introducing Iomega Backup**

Iomega Backup will help you get the most out of your Jaz drive. Iomega Backup's key features include backing up your files to disks, restoring files from disks, comparing files on disks, copying files to disks, and archiving files on disks.

[Backup Up Your Stuff](#)

[Restoring Your Stuff](#)

[The Works and Your Stuff](#)

## Backing Up Your Stuff

lomega Backup gives you the choice between two backup methods. Both of the options accomplish the same thing—your files are backed up and safe! The difference is how much user interaction is involved.

To help you decide which backup method is best for you, answer the following questions.

- ◆ Is this the first time you have performed a backup of your hard drive?
- ◆ Do you like working with a program that runs by itself and requires minimal interaction on your part?

If you answered yes to the questions above, then [1-Step Backup](#) is the program for you! It has been designed to maximize your time, minimize your involvement, and still keep all your stuff safe!

If you answered no to the questions above, then you might be more interested in using the [The Works](#). It has been designed to give you a variety of backup options that can be mixed, matched, and scheduled according to your specific needs.

Regardless of your choice, you'll be on your way to safeguarding your data with lomega Backup.

### NOTE:

Before running any backup function, please turn off all screen saver and virus checking programs. These conflict with the backup process and may cause your computer to hang.

## **Restoring Your Stuff**

The two methods available for restoring your files are similar to backing up your files. [1-Step Restore](#) is quick and easy like 1-Step Backup. If you want more options, use [Restore](#) in The Works.

### **The Works and Your Stuff**

The Works lets you choose among numerous options for the [Backup](#), [Restore](#), and [Compare](#) functions. In addition, you can do any of the following using The Works.

- ◆ Quick [erase](#) your Jaz disks
- ◆ [Rename](#) a disk or volume

### **Protecting all Your Stuff**

Iomega Backup includes Disaster Recovery—a recovery utility that helps you recover from a complete system crash. (Disaster Recovery is only available for Windows 95.) However, for the Disaster Recovery utility to work, you **must** create Disaster Recovery diskettes. Then, provided that you replaced all damaged hardware and that you formatted the destination drive properly, you can restore a system back to the way it was by booting off of the Disaster Recovery diskettes and running a restore program to restore specific files, full [volumes](#), or selected files.

We recommend that you create your Disaster Recovery diskettes immediately and update them whenever you add to or change the configuration of your computer.

We also recommend that you print the sections of this help file with the [instructions for recovery](#) .

### [Creating Disaster Recovery Diskettes](#)

## **Navigating in Iomega Backup**

### **Using the Mouse**

Standard mouse navigation can be used to navigate through both the main applications and the file trees. Use the left mouse button for selecting items and the right mouse button for pop-up menus.

When you are using a file tree, single clicking on drives and directories displays the sub-directories and files contained in them. Double-clicking on a drive or directory displays the sub-directories and files within it as well as expanding the branch beneath if applicable.

Holding down the left mouse button and dragging over multiple files or directories will highlight all those in the path of the cursor. The space bar can then be used to select all of the highlighted directories or files.

### **Using the Keyboard**

#### **Tab Key**

Use the Tab key to move through windows and access all the menus, push buttons, radio buttons, check boxes, edit fields, pop-up menus, and drop-down list boxes.

#### **Direct Access Keys**

You can also use direct access keys to access all the menus, buttons, and boxes. For example, to access the File menu, press Alt + F.

#### **Arrow Keys**

When you are navigating in a file tree, the Up and Down Arrow keys will move you up and down through the trees, highlighting the directories or sub-directories. The Right arrow key expands a branch and the Left arrow key collapses it.

#### **Space Bar**

Pressing the space bar after highlighting items will select the items. Pressing the space bar again will deselect the items.

### **1-Step Backup**

The combination of [full backups](#) and subsequent [differential](#) backups ensures that you always have a current backup of all the files on your computer.

After every full backup, 1-Step will do approximately 10 backups on only the new or changed files. 1-Step Backup gives you the option to do a full backup about every tenth time, depending upon how often you add, edit, or delete files from your system.

If you want to select individual files, directories, or drives for backup, use [Backup Properties](#).

#### **To back up files using 1-Step Backup:**

Select 1-Step Backup from the Iomega Backup menu (or right click on the 1-Step icon on your taskbar and select 1-Step Backup) and follow the on-screen instructions.

**Backup Properties**

Backup Properties lets you select the type of device for the backup, the kinds of files to back up, security options, and run options for your 1-Step Backups. You can use this with 1-Step Backup to make your backups simple and easy.

**To use Backup Properties:**

- 1 Select Backup Properties from the Iomega Backup menu (or right click on the 1-Step icon on your taskbar and select Backup Properties).
- 2 Make any changes to the four tabs, [General](#), [File Selection](#), [Security](#), and [Run Options](#).
- 3 Click OK.

For more options than 1-Step offers when backing up, use [The Works](#).

### **1-Step Restore**

Fast and easy, 1-Step Restore can restore files to your hard drive that have been backed up using [1-Step Backup](#).

#### **To restore files using 1-Step Restore:**

- 1** Select 1-Step Restore from the Iomega Backup program group (or right click on the 1-Step icon on your taskbar).
- 2** Select the files you want to restore using one of the following methods: 1) Single-clicking with the left mouse button; or, 2) highlighting and pressing the space bar.
- 3** If necessary, click on the [Alternate Path](#) button and enter an alternate path for the restored files.
- 4** Click on the [Restore Options](#) button and select your options.
- 5** Click on the Restore Now button to restore the selected file(s).
- 6** Insert the disk as prompted by 1-Step Restore.

### **Backing Up Your Stuff in The Works**

The Works gives you more control over the type of backup, the kinds of files, the backup options, and lets you define automatic backup schedules.

To access the Backup page, choose The Works from the Iomega Backup menu. A window displays with the Backup tab selected. Follow the steps outlined below to create the backup settings file and begin the back up.

- 1** Familiarize yourself with the toolbar buttons. These will save you time as you create the backup settings file.
- 2** Create your backup settings files by choosing the type of backup and the files you want, or open an existing backup settings file.
- 3** Create a schedule for your future backups (optional).
- 4** Start the backup.

[Using the Toolbar](#)

[Creating a Backup Settings File](#)

[Opening an Existing Backup Settings File](#)

[Starting the Backup Process](#)

## **Using the Toolbar**

### **New Backup Settings File**

Creates a new [backup settings file](#). If in Backup View, a prompt appears asking whether you want to save the current settings in a file before creating a new file.

### **Open Backup Settings File**

Opens a saved backup setting file.

### **Save Backup Settings File**

Saves the current backup and all its settings.

### **List View**

Displays only files and icons in the directory window (no file details).

### **Details View**

Displays detailed file information (e.g., creation date, file size) by columns in the directory window.

### **Parent Directory**

Moves you quickly to the parent directory in the file tree.

### **Select Sub-Directories**

Selects all sub-directories when the parent directory is selected.

### **Options Page**

Displays the various options available for backup, restore, scheduler, error handling, and message log.

### **Message Log**

Displays the message log file for the last disk operation.

### **Scheduler Log**

Displays all backups currently saved in the Scheduler.

### **Scheduler**

Schedules automatic backups.

### **Help**

Opens Help regarding the current task.

### **Help**

Displays Help for clicked on buttons, menus, or windows.

### Creating a Backup Settings File

A time-saving feature of Backup is the backup settings file. Once created and saved, this file contains all the preferences you've selected for a particular backup (the type of backup, the kinds of files to back up, passwords, and volume names). You can then use the file to schedule automatic backups.

- 1 To create a backup settings file, choose the **Backup** tab in The Works and begin making your selections as to the type of backup, passwords, volume names, and the files you want.
- 2 When you are finished making all your choices, select **Save** from the File menu (or click the Save icon on the toolbar). The Save As dialog box displays.
- 3 Enter a name for the settings file in the **File Name** text box. You do not need to enter a [file extension](#); the extension ".fss" will automatically be added for you.
- 4 Click on the **Save** button.
- 5 Your backup settings file is now saved and you can use it to [schedule](#) automatic backups, or you can begin a backup by clicking on the **Start** button on the Backup page.

#### NOTE:

It is not mandatory that you save the settings file. If you choose not to save your settings file, only the current backup will function according to the settings you choose, and you will not be able to schedule automatic backups.

[Choosing a Backup Drive](#)

[Choosing the Type of Backup](#)

[Selecting Files for Backup](#)

[Saving a Backup Settings File](#)

### Opening an Existing Backup Settings File

- 1 To open an existing backup settings file, choose the **Backup** tab in The Works.
- 2 Select **Open** from the File menu or click on the **Open** toolbar button. The Open dialog box displays.
- 3 If you previously saved backup settings files in the default folder then all the settings files will be displayed in the Open box. Select the file you want and click on the **Open** button.
- 4 If you saved a file in a different folder, use the **Look In** drop-down box to locate the folder containing the files. Then select the file you want and click on the **Open** button.
  - ◆ Use the **Up One Level** button to navigate between folders.
  - ◆ Use the **List** button to list files without any details on creation date or size.
  - ◆ Use the **Details** button to list files with creation date and size information.

**Choosing the Backup Drive**

The Device toolbar drop-down box displays the Iomega devices available to perform a backup.

### Choosing the Type of Backup

You can choose from among four different types of backups.

If you want to make a comprehensive backup of individual files, directories, or drives, select one of the following from the Backup Type drop-down box.

- ◆ Full: If you want a complete backup made of all the files selected, select Full. (A [full backup](#) will take longer than an incremental or differential backup.)
- ◆ Archive: If you want to delete files from your hard drive, but have a copy of them on hand for future use, select Archive. If you select Archive, a compare will run automatically. Only after a successful compare will the files be deleted from your hard drive.

If you only want to back up files that are new or have been changed since your last full backup, select one of the following from the Backup Type drop-down box.

- ◆ Incremental: If you want to back up only the files that have been created or changed since the last full or incremental backup, select Incremental.
- ◆ Differential: If you want to back up only the files that have been created or changed since the last full backup, select Differential.

### [Recommended Backup Strategies](#)

**Recommended Backup Strategies**

We recommend you choose a backup strategy (either incremental **or** differential) and use it consistently. If you combine incremental and differential, your restore process can become complicated.

**Using Full And Incremental Backups**

When you use full and incremental backups, your backup time is shorter, but your restore time is longer. For example, if you have one full backup and nine incremental backups, you need all nine incremental backups and the full backup to perform a complete restore.

**Using Full And Differential Backups**

When you use full and differential backups, your backup time is longer, but your restore time is shorter. For example, if you have one full backup and nine differential backups, you only need that last differential backup and the full backup to perform a complete restore.

## Selecting Files

Selecting files using Iomega Backup is fast and easy. The drives and directories are displayed on the left side of the box. The directories or files of a selected drive or directory are displayed on the right side of the box. You can select files to back up, restore, or copy, by the drive or directory using your mouse. The backup function also lets you use helpful [include and exclude filters](#).

The drives and directories have a plus (+) sign or a minus (-) sign in front of them. They also have a box with a check mark, without a check mark, or with a check mark in a gray box. Below you will find explanations of these symbols and how to use them to select your files to back up, restore, or compare.

### What do the plus (+) and minus (-) signs mean?

A “+” in front of a drive or directory means that it can be expanded, allowing you to see all the subdirectories under it. A “-“ means it can be collapsed. Click once directly on the “-“ sign to change it to a “+” sign. Click once directly on the “+” to change it to a “-“ sign.

### What do the check marks mean?

- ◆ A check mark in front of a drive, directory, or file means the whole drive, directory, or file has been selected.
- ◆ An empty box with no check mark in front of a drive, directory, or file means the whole drive, directory, or file has not been selected.
- ◆ A gray box with a check mark means that some of the subdirectories of the drive or directory are selected and some are not selected.
- ◆ A red border on the box means that a filter is in effect for that directory or file.

## Selecting Files with the Mouse

Locate the drive, directories, and files to be selected. Click in front of the drive, directories, or files until a check mark appears (or a gray box and check mark). Once the check mark appears, that item is selected.

[Selecting Files for Backup Using the Include or Exclude Filters](#)

### Selecting Files Using the Include or Exclude Filters

- 1 Click the **Include/Exclude Filters** button to specify files to include or exclude. The Include/Exclude dialog box displays.
- 2 The Include/Exclude dialog box displays all the defined filters for the current backup settings file. This list is displayed in the Filter List box.
- 3 Use the **Filter** drop-down list box to select Include or Exclude.
- 4 Select one of the following radio buttons, fill in the necessary information and click **Add**.
  - ◆ **By File Type:** Lets you include or exclude files by type, for example, all Excel files with the extension “.xls.” If you select this button, fill in the **Path** and **File Extension** text boxes.
  - ◆ **By Date:** Lets you include or exclude files by date: for example, all files with the date from 1/1/98 to 1/31/98. If you select this button, fill in the **Path** and the **To** and **From** text boxes.
  - ◆ **Specific File:** Lets you include or exclude files by specifying filenames. If you select this button, fill in the **Path** and **Filename(s)** text boxes.
- 5 Continue using the Include and Exclude filters, being sure to click on **Add** each time you complete one. As you add filters they will appear in the Filter List box.
- 6 Move filters in the Filter List box up and down in priority by highlighting the filter and clicking on the **Move Up** or **Move Down** arrows by the side of the Filter List.
- 7 To delete a filter, highlight it then click the **Delete** button. The filter is removed from the list.
- 8 To delete all the filters shown in the Filter List box, click **Delete All**.
- 9 When you have added and deleted all the necessary filters, click **OK**. You will be returned to the Backup window.

### NOTE:

Directories and files selected or deselected by a filter are shown with a red check box border. In addition, any parent directory in the path of the applied filter will be displayed with a red border.

The files or directories explicitly selected or deselected by a filter cannot be overridden in the file tree. To remove filter selections or deselections, delete the filter or choose Clear from the Tree menu.

## Defining Backup Options

Omega Backup lets you choose any of the following options for your backup. Click on the **Options** toolbar button then select the **Backup** tab.

- 1 If you select **Perform file-by-file auto compare after the backup**, the program will compare the backed up files to the originals to make sure they match. This ensures the integrity of the data.\*
- 2 If you select **Catalog backup in Librarian**, the backed up files will be cataloged in the [Librarian](#). The Restore function uses the Librarian to help you find files—even if you don't know which disk contains the file. We recommend you use this feature.
- 3 If you select **Backup a copy of the Librarian's catalog to the disk**, you'll always have a copy of the Librarian—just in case anything happens to the Librarian on your hard drive.
- 4 If you select **Compression**, you can choose one of the following options.
  - ◆ **None:** When you choose this option, you'll have a faster backup time, but will use up more of the disk space.
  - ◆ **Optimized:** When you choose this option, you are picking a happy medium between backup time and disk space.
  - ◆ **High:** When you choose this option, you'll use less disk space but the backup time will increase.
- 5 You need to choose one of the options under **If backup already exists on the disk**.
  - ◆ **Always append the current backup to the disk:** Select this option and the backup will always be added to the end of the last backup.
  - ◆ **Always overwrite the disk with the current backup:** Select this option and the backup will always overwrite anything on the disk with the current backup.
  - ◆ **Prompt me to choose between appending or overwriting:** Select this option and a prompt box will appear when you begin a backup, giving you the choice between [appending or overwriting](#).
- 6 Click **OK** to apply the options you have selected.

\*A compare is automatically performed when doing an archive backup even if this option is not selected by the user.

### Starting the Backup Process

After you have [created](#) or [opened](#) a backup settings file you are ready to begin the backup process.

- 1 Select the **Start** button on the Backup page.
- 2 If you have changed any of the [backup settings](#), you will be asked whether or not you want to save the changes in the file. Click **Yes** or **No**.
- 3 If you choose **Yes**, the [Save As](#) dialog box appears. Enter a name for the settings file and click **Save**.
- 4 If you choose **No**, the backup process will begin—the screens that display will depend on the [Backup Options](#) you selected.

### NOTE:

You must save the settings file if you want to use the [Scheduler](#).

[Saving a Backup Settings File](#)

[Saving a Backup Settings File with a New Name](#)

[Scheduling Backups](#)

[Appending or Overwriting disks](#)

[Backup Progress Screen](#)

### **Creating a New Backup Settings File**

To create a new [backup settings file](#) you must be on the Backup tab in Iomega Backup.

- 1 Select **New** from the File menu. (You may be prompted to save the backup settings file already on the screen.)
- 2 Begin selecting the backup settings you would like associated with the new settings file.

[Choosing the Type of Backup](#)

[Selecting Files](#)

[Defining Backup Options](#)

[Scheduling Your Backup](#)

[Saving a Backup Settings File](#)

### **Saving a Backup Settings File**

After you have finished [making the backup settings file](#), you will want to save it for future use. (Also, you cannot use the scheduler without saving a backup settings file.)

- 1** To save your backup settings file, select **Save** from the File menu. The Save As dialog box will appear.
- 2** Enter a name for the settings file in the **File Name** text box. You do not need to enter a [file extension](#); the extension “.fss” will automatically be added for you.
- 3** Click on the **Save** button.

### **Saving a Backup Settings File with a New Name**

- 1** To save your backup settings file with a different name, select **Save As** from the File menu. The Save As dialog box will appear.
- 2** Enter a name for the settings file in the **File Name** text box. You do not need to enter a file extension; the extension “.fss” will automatically be added for you.
- 3** Click on the **Save** button.

### Naming the Volume

lomega Backup lets you enter a [volume name](#) and optional password for the backup.

#### To name the volume and assign a password:

- 1 Click the **Name/Password** button on the Backup window.
- 2 Enter a name in the **Volume Name** text box.
- 3 If you want the volume password protected, enter a password once in the **Password** text box and again in the **Password Verification** text box.
- 4 Click the **OK** button.

If you do not enter a volume name for the backup set, lomega Backup will use the default volume name of the backup type, date, and time. (Example below.)

Full - 9/9/98 - 7:00PM

## Scheduling Backups

Scheduling backups will automate the backup process for you. You will not have to remember to start the backup—the program will remember for you.

Scheduling is available through the Backup page of The Works or through the Scheduler button on the toolbar. In order to use the Scheduler you must have [created](#) and [saved](#) a backup settings file.

### To schedule automatic backups:

- 1 Click on the **Schedule** button on the Backup page or on the toolbar.
- 2 Select a backup settings file using the drop-down box **Backup to be scheduled**. The seven most recently saved backups will be displayed in this list. (If your backup settings file is not listed in the drop-down box, close the scheduler box, select Open from the File menu, and open the backup settings file you want to use. Then return to the scheduler.)
- 3 Pick the frequency of the automatic backup: **Yearly, Monthly, Weekly, Daily, or Once**.
  - ◆ **Yearly:** Enter **Date** and **Time**.
  - ◆ **Monthly:** Enter **Date** and **Time**
  - ◆ **Weekly:** Select the day of the week and enter the Time
  - ◆ **Daily:** Enter the **Time**
  - ◆ **Once:** Enter **Date** and **Time**
- 4 Choose **Append disk** or **Overwrite disk** in the **Append/Overwrite Option** drop-down box. Choosing append or overwrite on this option page only applies to the current backup being scheduled and does not affect future scheduled backups.
- 5 Select the device to be used in the backup job in the **Device** drop-down box.
- 6 Click **OK**.

### NOTE:

After a backup job is scheduled, you must close The Works before the backup will run.

### **Defining Scheduler Options**

Iomega Backup lets you choose any of the following options for your backup schedule. Click on the **Options** toolbar button then select the **Scheduler** tab.

You can define the following scheduler options:

#### **Scheduler Notification**

If you want to be notified before a backup begins, select **On** and enter the amount of lead time in the **Notify me** box (in minutes). If you select **Off**, scheduled backups will begin without notifying you.

#### **Audible prompt**

Select this option if you want the prompt to appear on your screen with a beep.

#### **Prompt me when the scheduler is unable to run**

If a backup cannot be run according to schedule, a prompt box will display.

#### **Exit application after backup**

Select this option if you want the program to close when the backup is complete.

**Scheduler Notification Box**

If you want to suspend the scheduled backup for an indefinite period of time, click **Suspend**.

If you want to extend the time before the backup begins, click [Snooze](#). The Snooze box displays.

The scheduler notification dialog box requires no user interaction. If the user is not present when the notification goes off, the box will display for 20 seconds, close automatically, and run the scheduled backup at the specified time.

### **Snooze Dialog Box**

You can use the Snooze Options to suspend the scheduled backup for a finite amount of time.

Select one of the radio buttons in the **Options** box and click **OK**.

- ◆ **5 Minutes** postpones the backup for five minutes.
- ◆ **10 Minutes** postpones the backup for ten minutes.
- ◆ **15 Minutes** postpones the backup for fifteen minutes.
- ◆ **20 Minutes** postpones the backup for twenty minutes.
- ◆ **Snooze until same time tomorrow** postpones the backup until the same time the next day.
- ◆ **Specific time** postpones the backup for the number of hours (0-24) and minutes (1-59) you enter.

### **Scheduler Log**

The Scheduler Log under the Utilities menu and on the toolbar gives you a quick and easy way to view and manage scheduled backups. From the Scheduler Log you can [add](#), [delete](#), [suspend](#), [activate](#), and [edit](#) scheduled backups. Use the OK button to close the Scheduler Log window and save the changes you made.

**To add a saved backup to the schedule:**

Click the **Add** button in the Scheduler Log dialog box. The [Scheduler](#) dialog box displays. Enter the applicable schedule information and click **OK**. The backup will be saved and displayed in the Scheduler Log as active.

**To edit a scheduled backup:**

Double-click on the scheduled backup in the list and make the changes necessary. Click **OK**.

**To delete a saved backup in the schedule:**

Highlight the scheduled backup you wish to delete. Click the **Delete** button. The backup will be removed from the Scheduler Log.

**To activate all scheduled backups:**

Click on the **Activate All** button. Note the check marks that appear in front of the Status column.

**To suspend all scheduled backups:**

Click on the **Suspend All** button. Note that the check marks disappear from the Status column.

### Appending or Overwriting Disks

At the beginning of the backup process the Append/Overwrite box may display. (You can turn this box on or off using the [Backup Options](#).)

This box displays the contents of the disk currently in the backup drive and gives you three options:

- ◆ **Use Another Disk:** If you click on this option, you will be prompted to insert a new disk into the drive and click OK. The new disk is read and the Append/Overwrite box will display again.
- ◆ **Append:** If you click on this option, the current backup will be added to the volumes already on the disk and the Progress Backup window will display.
- ◆ **Overwrite:** If you click on this option the current backup will overwrite all the contents of the disk and the Backup Progress window will display.

**Backup Progress Screen**

Using the Backup Progress screen you can view the progress of the backup or cancel the backup. The Backup Progress screen displays the following information:

**Backup Name**

displays name of current backup.

**Device**

displays the type of device being used for the backup.

**Percent Complete**

indicates the percentage of the backup that is completed.

**Compression Ratio**

indicates the ratio for the compression of data.

**Elapsed Time**

displays the amount of time that has elapsed since the backup began.

**Number of Items Selected**

displays the number of items (files or directories) selected for the backup.

**Number of Items Processed**

displays the number of items (files or directories) backed up.

**Bytes Selected**

displays the total number of bytes selected for backup.

**Bytes Backed up**

displays the number of bytes currently backed up.

**Transfer Rate (MB/minute)**

indicates the transfer rate in megabytes per minute.

If you choose to cancel the backup, you will be prompted to verify the cancellation.

## Restoring Your Stuff

Being able to restore any of your files will come in handy more often than you think. After all, how many times have you deleted a file or emptied the “trash” only to discover a day or a week later that you really needed it? Or have you ever loaded new software and had it destroy another program? Then what do you do? Restore the files! The backup and restore processes of Iomega Backup go hand in hand, making the recovery of archived, lost, or deleted files easier than ever before. If you have been consistently backing up your stuff, then finding and restoring files, directories, or entire drives is a simple process.

### To start a restore:

- 1 Select the **Restore** tab in the The Works.
- 2 [Find the files](#), directories, or drives you want to restore.
- 3 [Select the files](#), directories, or drives to restore.
- 4 Choose whether you want to restore the files to their original path or an [alternate path](#).
- 5 Define the [options](#) for the restore.
- 6 Insert the disk containing the files as prompted.
- 7 [Start](#) the restore.
- 8 View the [progress](#) of the restore.

## Finding Files on Your Back-up Disks

On the Restore or Compare pages, you can find files, directories, or drives on your backup disk using two methods: from the Librarian or directly from the disk.

- 1 To view all the disks and files listed in the Librarian, select **Librarian By Cartridge** or **Librarian By Drive** from the **View from** drop-down list box.
  - ◆ The **Librarian By Drive** displays all the backup files (that have been added to the Librarian) as if you were looking at your hard drive. In this view, only one copy of the file is displayed, even though it may actually exist on several different disks. (Several copies of a file could exist, differing only in backup dates—only the most recently backed up file will display.)
  - ◆ The **Librarian By Cartridge** displays all the backup files by the corresponding disk that holds them. In this view you can see what the [volumes](#) are on each disk and can open the volumes to see what drives, directories, and files are contained in them.
- 2 If you know which disk contains the files you want (or if you performed your backups without using the librarian), insert the cartridge into the disk drive and select **Cartridge by Volume** or **Cartridge by Drive** from the **View from** drop-down list box. This view displays the [volumes](#) (and the files inside the volumes) contained on the disk.

If you want to look at another disk, remove the current disk, insert another disk, and click **View Another Cartridge**.

After locating the files needed, select them using the instructions in the [Selecting Files](#) section.

[Restoring to an Alternate Path](#)

[Defining Backup Options](#)

[Defining Restore Options](#)

**Choosing an Alternate Path**

At the bottom of the Restore and Compare page is the Restore/Compare to Alternate Path check box. If this check box is not checked, the files you select will be restored/compared in the paths they were originally backed up in.

## Defining Restore Options

The Works lets you choose any of the following options for your restore. Click on the **Options** toolbar button then select the **Restore** tab.

Select **one** of the options discussed below by clicking on the corresponding radio button, then choose **OK** to apply it to your current restoration process.

The following options are available during the restoration of files.

- ◆ **Never overwrite the file on the hard drive:** prevents the overwriting of a file that exists on the hard drive. Thus, only files that do not exist on your hard drive, but which exist in the backup, will be restored.
- ◆ **Always overwrite the file on the hard drive:** lets the Restore process overwrite any file on your hard drive with the corresponding backup file (regardless of the date on the file). **Caution:** only use this option if you are sure none of the existing files on the hard drive are newer than the files on the backup disks.
- ◆ **Overwrite the file on the hard disk only if it is older:** lets the Restore process overwrite files on your hard drive that are older than the backed up version of the file.
- ◆ **Prompt me to decide if I would like to overwrite the file:** has the Restore process display a [prompt box](#) allowing you to decide on an individual basis which files you want to overwrite.

To revert to the default of “Prompt me to decide if I would like to overwrite the file” click the **Default** button and then **OK**.

To cancel any changes you have made and return to the Restore window, click **Cancel**.

### Starting the Restore Process

- 1 After you have [selected the files](#) you want to restore and defined the [restore options](#), click on the **Start** button on the Restore window.
- 2 If you selected files using the [Librarian View](#), you will be prompted to insert the correct backup disk according to the name and date. After inserting the correct disk in the drive, click **OK**. The restore process begins and the Restore Progress window displays.

### [Restoring Files with Password Protected Volumes](#)

### Files with Password Protected Volumes

If you choose to restore/compare files contained in a password protected [volume](#), you will be prompted for the password when the restore/compare process begins and the disk is first read.

In the **Password** text box, type in the password for the volume name displayed in the **Volume Name** text box. Choose **OK**.

If the password is correct, the restore continues.

If the password is incorrect, you are asked if you would like to try again. If you choose **Yes**, you are returned to the Password box.

- ◆ If you choose **No** and there are no more volumes to restore, the restore is canceled.
- ◆ If you choose **No** and files remain to be restored from other volumes, you will be prompted with the choice of skipping the current volume or canceling the restore.
  - ◆ If you choose **Skip**, the restore continues, skipping the current password protected volume.
  - ◆ If you choose **Cancel**, another dialog box displays asking for confirmation of the cancellation. If you choose **Yes** again, the restore process is canceled.

**Viewing the Progress of a Restore**

The Progress—Restore screen appears after the Start button is selected on the Restore window and passwords for password protected [volumes](#) are entered. This window shows while the restore is running and displays the following information.

**Volume Name**

displays name of current volume being restored.

**Device**

displays the name of the device used in the restore.

**Processing File**

displays the name of the file currently being restored.

**Percent Complete**

indicates the percentage of the restore that is completed.

**Elapsed Time**

displays the amount of time that has elapsed since the restore began.

**Items Selected**

displays the number of items selected for restoration.

**Items Processed**

displays the number of items restored.

**Bytes Selected**

displays the total number of bytes selected for restoration.

**Bytes Restored**

displays the number of bytes currently restored.

**Transfer rate**

indicates the transfer rate in megabytes per minute.

During the restore process you may be prompted that a file already exists on your hard drive. You are given the option of overwriting it or not. If you choose Yes, the file on the hard disk is overwritten by the one that is located on the disk. If you choose No, the original file on the hard disk stays and the file on the disk is not restored.

See [Restore Options](#) for more information on the overwriting prompt.

Once the restore is complete, the [Message Log](#) is displayed with the statistics for the restore operation.

At any point during the restoration, you can stop the restore program by clicking on the Cancel button in the Progress—Restore window. If you choose Cancel, another dialog box displays asking for confirmation of the cancellation. If you choose Yes again, the restore process is canceled.

### **Overwriting File Prompts During a Restore**

When Restore encounters a file on your hard drive with the same name as the file being restored an Overwriting prompt box may display.

Select one of the following options and click **OK** to continue.

#### **Overwrite this file**

Restore will overwrite only the current file and the prompt will be displayed the next time Restore encounters a file with the same name.

#### **Overwrite All**

Restore will overwrite all files and the prompt box will not be displayed again.

#### **Overwrite if file on disk is newer**

Restore will overwrite only the current file on your hard drive if the file in the backup has a more recent modification date.

#### **Overwrite all if file on disk is newer**

Restore will overwrite all the files on your hard drive that have newer files on the disk. The prompt box will not be displayed again.

#### **Don't overwrite this file**

Restore will not overwrite the file on your hard drive that has a newer file on the disk.

#### **Disable Prompting**

Restore will not overwrite any files. Thus only files that don't currently exist on the hard drive will be restored. The prompt box will be not displayed again.

### **Comparing Files**

The Compare function compares the files on disk to the files on your hard drive verifying that the information contained on the backup disk is identical to the data on the hard disk and that it can be restored.

[What does a Compare Do?](#)

[Starting the Compare Process](#)

**What does a Compare Do?**

- ◆ Reads the data on your backup medium exactly as if it were going to restore the data to the hard disk.
- ◆ Compares this data to the data found on the hard disk.
- ◆ Verifies that they are identical or displays a message when files do not match.

**Tip:**

We recommend that you always perform compares. This will confirm Iomega Backup is running properly on your computer. See [Backup Options](#) to compare automatically after every backup.

### Starting the Compare Process

- 1 Select the **Compare** tab in Iomega Backup.
- 2 [Find the files](#) you want to compare.
- 3 [Select the files](#), directories, or drives to compare.
- 4 Choose whether you want to compare the files to their original path or an [alternate path](#).
- 5 [Start](#) the compare.
- 6 View the progress of your compare.

If you selected files using the [Librarian View](#), you will be prompted to insert the correct backup disk according to the disk name and date. After inserting the correct disk in the Jaz drive, click **OK**. The compare process begins and the Progress—Compare window displays.

### Comparing Files in Password Protected Volumes

If you choose to compare files contained in a password protected [volume](#), you will be prompted for the password when the compare process begins and the disk is first read.

In the **Password** text box, type in the password for the volume name displayed in the **Volume Name** text box. Choose **OK**.

If the password is correct, the compare continues.

If the password is incorrect, you are asked if you would like to try again. If you choose **Yes**, you are returned to the Password box.

- ◆ If you choose **No** and there are no more volumes to compare, the compare is canceled.
- ◆ If you choose **No** and files remain to be compared from other volumes, you will be prompted with the choice of skipping the current volume or canceling the compare.
  - ◆ If you choose **Skip**, the compare continues, skipping the current password protected volume.
  - ◆ If you choose **Cancel**, another dialog box displays asking for confirmation of the cancellation. If you choose **Yes** again, the compare process is canceled.

### **Viewing the Progress of a Compare**

The Progress Compare window appears after the Start button is selected on the Compare page and passwords for password protected [volumes](#) are entered. This window shows while the compare is running and displays the following information.

#### **Volume Name**

displays name of current volume being compared.

#### **Device**

displays the name of the device used in the compare.

#### **Processing File**

displays the name of the file currently being compared.

#### **Percent Complete**

indicates the percentage of the compare that is completed.

#### **Elapsed Time**

displays the amount of time that has elapsed since the compare began.

#### **Files Selected**

displays the number of files selected for comparison.

#### **Files Processed**

displays the number of files compared.

#### **Bytes Selected**

displays the total number of bytes selected for comparison.

#### **Bytes Compared**

displays the number of bytes currently compared.

#### **Transfer rate**

indicates the transfer rate in megabytes per minute.

Once the comparison is complete, the [Message Log](#) is displayed with the statistics for the compare operation.

At any point during the comparison, you can stop the program by clicking on the Cancel button in the Progress--Compare window. If you choose Cancel, another dialog box displays asking for confirmation of the cancellation. If you choose Yes again, the compare process is canceled.

## Using the Menus in The Works

[File Menu](#)

[Tree Menu](#)

[View Menu](#)

[Tools Menu](#)

[Utilities Menu](#)

**File Menu****New**

Clears backup settings so that you can create a new backup settings file.

**Open**

Opens an existing backup settings file.

**Save**

Saves the current backup file.

**Save As**

Saves the current backup settings file with a new name.

**Options**

Opens the Options notebook in which you can define the options for backup, restore, scheduler, message log, and error handling.

**Recent Files**

Displays a list of the five most recently used backup settings files.

**Exit**

Exits the application.

**Tree Menu****Select**

Selects the current highlighted item in the file tree. A check mark will appear in the box that corresponds with the highlighted item, including the file in the selection set for Backup, Restore, and Compare.

If Select Sub-directories is on, selecting a directory also selects all sub-directories and files contained in them.

**Deselect**

Removes the check mark from a selected item in the file tree, excluding the item from the file selection set that will be used for Backup, Restore, or Compare.

**Clear**

Clears the file tree of all selected items and applied filters.

**Include/Exclude Filter**

Lets you include or exclude specific files, files of a certain type, or files within a date range.

**Parent Directory**

Moves the highlight from the current directory to the parent directory.

**Select Sub-directories**

Selects sub-directories when selecting parent directories.

## **View Menu**

### **Backup View**

Changes The Works view to the Backup view.

### **Restore View**

Changes The Works view to the Restore view.

### **Compare View**

Changes The Works view to the Compare view.

### **View from Cartridge**

Displays the catalog from disk; usable only in the [Restore](#) and [Compare](#) views. This option is also controlled using the View From drop-down list box.

### **View from Librarian**

Displays the catalog in the [Librarian](#) by drive letter; usable only in the [Restore](#) and [Compare](#) views.

### **List View**

Displays only the icon and filename in the directory window.

### **Details View**

Shows detailed file information by columns in the directory window, e.g., name, size, type, modification date.

### **Status Bar**

Shows or hides the status bar.

### **Toolbar**

Shows or hides the toolbar.

## **Tools Menu**

For information on the Tool menu items, click on the topics below.

[Read Disk Info](#)

[Quick Erase](#)

[Deleting Volumes](#)

[Rename](#)

**Read Disk Information**

Select Read Disk Information from the Tools menu to display disk and [volume](#) information on the disk currently inserted into your drive. In this box you can view the backups, volumes, directories, and files on a disk.

Open and close folders on the left side of the box. As you open folders, the files in the selected folder appear on the right side.

The Volume Information group box at the bottom of the screen displays the information for the volume that is currently highlighted or that you have expanded.

The View New Disk button in the bottom left corner lets you get information from several different disks without having to close the window and start the operation over again. When the button is pressed, the current information in the Disk Information window is cleared and the new disk is read.

Reading the new disk may take a few seconds. A progress box displays while the disk read operation is performed. To cancel the operation, click Cancel.

**Quick Erase**

Select the **Quick Erase** function in the Tools menu to compress the [image file](#) on your Jaz disk.

If you want to view the disk before continuing, click **View Disk** and the [cartridge information](#) will be displayed.

If you are sure you want to delete the information, click **Continue**. The Quick Erase progress box displays and you can see the progress. When the operation is finished a box displays indicating that the Quick Erase is complete.

Click the **Cancel** button to cancel the operation at any time.

### **Deleting Volumes from Disks**

Use the Delete Volume function in the Tools menu to remove selected volumes on the disk.

In the Delete Volume window select the volumes to be deleted by placing a check mark in the box that corresponds to the volume and then click the **Delete** button.

The Delete Volume progress box displays until the process is complete.

Click the **Cancel** button to cancel the operation.

### **Renaming a Disk**

- 1 Select the disk you want to rename using one of the following methods:
  - ◆ While in The Works on the Restore or Compare windows, view the disk from the Librarian or view from cartridge by drive and highlight the disk to be renamed.
  - ◆ Insert disk, choose Read Disk Info from the Tools menu, and highlight the disk to be renamed.
- 2 Select **Rename** then **Disk** from the Tools menu (or right click and select **Rename** then **Disk**).
- 3 Type the new name in the **New Name** text box and choose **OK**. The Rename Disk progress box will display.

### **Renaming a Volume Name**

- 1 Select the **volume** you want to rename using one of the following methods:
  - ◆ While in Restore or Compare, view the volume from the Librarian or from cartridge by volume and highlight the volume to rename.
  - ◆ Insert disk, choose Read Disk Info from the Tools menu, expand the directory tree and select the volume to be renamed.
- 2 Select **Rename** then **Volume** from the Tools menu (or right click and select Rename then Volume).
- 3 Type the new name in the **New Name** text box and choose **OK**. The Rename Volume progress box will display.

**Utilities**

The following functions are available through the Utilities menu in The Works.

[Librarian Maintenance](#)

[Message Log](#)

[Scheduler](#)

[Scheduler Log](#)

### **Librarian Maintenance**

To help minimize the size of the librarian's database, we recommend you periodically use **Librarian Maintenance** in the Utilities menu to rebuild the librarian's catalog of disks.

The maintenance operation may take anywhere from thirty seconds to five minutes and cannot be canceled once it has started. However, you can minimize the progress window and continue working on other projects as it runs.

**Message Log**

Use Message Log in the Utilities menu to display past statistics for recent disk operations. The Message Log files can be displayed in simple text or in a graphical form using different colors and sizes of fonts. These settings are controlled by the [Message Log Options](#).

### Defining Message Log Options

The Works lets you choose any of the following options for your Message Log. Click on the **Options** toolbar button then select the **Message Log** tab.

The following options are available for the Message Log. Each disk operation (backup, restore, or compare) can be logged in the message log.

- 1 For each disk operation (backup, restore, or compare) select the type of log to be created.
  - ◆ **Detailed** logs all sections.
  - ◆ **Standard** logs basic information and backup statistics.
  - ◆ **Basic** logs only the first section and not the backup statistics.
- 2 Select one of the following options that are available when creating a new log file:
  - ◆ **Append to data currently in the log**
  - ◆ **Overwrite the existing data in the log**
- 3 Select **Log in standard ASCII-text mode** if you want the message log to format as an ASCII text file. (Note: All current data in the log will be lost if you choose this option. A new log file will be created using the new format.)
- 4 Select **Leave message log open after the cartridge operation** if you want to view the message log immediately after a disk operation.

After you have made your selections click on **OK**.

To reset the page to the default options, click on **Default**.

## **Scheduler**

Selecting **Scheduler** from the Utilities menu opens the Scheduler box that will [schedule automatic backups](#).

## Scheduler Log

Selecting **Scheduler Log** from the Utilities menu opens the Scheduler Log box that displays all the backups currently saved in the scheduler.

Using the Scheduler Log you can add, delete, suspend, activate, and edit scheduled backups.

Choosing Add will open the [Scheduler Settings](#) box.

Choosing Delete removes the currently selected backup from the log, eliminating it from the scheduler as well.

Choosing Activate All places a check mark in the Status checkbox of each backup in the log. Individual backups that are scheduled can be activated or suspended by checking the box for the corresponding backup.

Choosing Suspend All suspends all the scheduled backups in the log.

Double-clicking on a scheduled back up in the log will let you edit it.

Choosing the OK button closes the Scheduler Log and saves the changes that were made.

### Defining Error Handling Options

The Works lets you choose any of the following options for your error handling. Click on the **Options** toolbar button then select the **Error Handling** tab.

- 1** Enter the number of times you want the program to retry backing up **files that are locked**. (Files may be locked because they are in use or because you do not have access to open the file.)
- 2** Enter the **Wait time between retries** (in seconds).
- 3** If you want to be prompted during the backup, compare, or restore, regarding an error, leave the **Error prompting enabled** box checked. If you do not want to be prompted, and would rather see any errors reported in the message log, uncheck the **Error Prompting Enabled** box.

After you have made your entries click **OK**.

To reset the page to the default options, click on **Default**.

## Help Menu

Select **About Iomega Backup** from the Help menu to view the version and registration information of your software.

**Creating Disaster Recovery Diskettes**

Each time you perform a backup using 1-Step Backup you will prompted to create or update your Disaster Recovery disks.

### 1-Step Disaster Recovery

- 1 Insert your latest backup disk into your Jaz drive.
- 2 Insert the Disaster Recovery floppy diskette labeled Recover Disk into your A: drive and boot up your computer.
- 3 If you installed a new hard disk or need to prepare your old hard disk, you **can** use the following tools located on the Recover Tools diskette. (If you still have a useable hard disk, try all other options to resolve the problem before continuing on with a full Disaster Recovery.)

At the a:/> prompt type in the name of the utility you need to run.

**FDISK:** repartitions your hard disk(s) (a:/>FDISK). If you use FDISK, you need to reboot off of the Recover Disk before using FORMAT or SYS or continuing to the next step.

**FORMAT:** format one or more partitioned drives (e.g., a:/>FORMAT C:).

**SYS:** Install the system boot files onto the hard disk (e.g., a:/>SYS C:).

- 4 After using the utilities, you must insert the Disaster diskette labeled Recover Disk and reboot. The Disaster Recovery program will begin.
- 5 Follow your on-screen instructions to complete the Disaster Recovery.

**Backup Settings Files**

A file containing all your backup preference choices regarding backup type, file selections, applied filters, passwords, and volume names. You can create individual backup settings files for the different kinds of backups performed. Once you have saved the settings in a file, you simply open the file and start the backup.

**File Extensions**

File extensions are the last three characters in a file name. These are always preceded by a period. For example, if letter.doc is your file name, ".doc" is the file extension. File extensions help identify the type of file; The Works uses ".fss" to indicate that a file is a backup settings file.

**Archiving Files**

Do you need more space on your hard drive? Then delete some files! But first, because you never know when you'll need them, make an archive copy of the file on your archive disk. In the future, if you need the file, it will be waiting for you, ready to be restored using the Restore function.

Archive will automatically run a compare and files will not be deleted until the compare is successfully completed.

**Full Backups**

When you run a full backup, every selected file will be backed up.

**Differential Backups**

A differential backup will back up only the files that have been created or changed since the last full backup.

**Incremental Backups**

An incremental backup will back up only the files that have been created or changed since the last full or incremental backup.

**What is a "volume"?**

A set of files created from a single backup operation. Files from multiple drives can be stored in one volume.

**What is a "Compare"?**

Compare analyzes the files on disk and compares them to the hard drive to verify that the data integrity has not been lost.

**What does the "Librarian" do?**

The Librarian catalogs all the backups according to volume and file name. If you don't know what disk your file is on, the information in the Librarian will be extremely valuable.

**What is the Scheduler?**

The Scheduler lets you schedule automatic backups so you don't have to remember to do them yourself.

**General Reading Errors**

- 1 Sometimes a segment on the disk cannot be read even after numerous retries. During a backup or compare this means the backup was not successful – do another backup. During a restore this will mean some files could not be restored. This will normally affect only those files stored in that segment, the rest of the restore should be OK. The following are suggested steps to restore the missing files.
- 2 Close down any unnecessary applications, select only those files you wish to restore and restart the operation.
- 3 Shut down the computer, turn power off, then back on before restarting the operation.
- 4 If the problem persists on a particular disk, reformat it or discontinue use of the disk.

## **Specific Reading Errors**

### **5105**

This is an error encountered reading or writing data. The disk drive is reading segments that should not be on the current track. Getting this error means that the driver was unable to correct the situation. **Possible solution:** If the off-track error persists on a particular disk, reformat the disk or discontinue use of the disk.

### **5115**

This is an error reading data. The disk drive cannot read enough data from a disk segment to use error correction code.

### **5145**

This is an error encountered reading or writing data. More than one sector in the segment being read caused a CRC (Cyclic Redundancy Check) error on read. The disk drive cannot read enough data from the disk segment to use error correction code.

### **5150**

This is an error encountered reading or writing data. The data for more than one sector in the segment being read caused a CRC error on read. The disk drive cannot read enough data from the disk segment to use error correction code.

### **5152**

This is an error encountered reading or writing data. Part of the segment (called a sector) cannot be found on the disk. During a read this is overcome by error correction code (ECC) unless too many sectors in a segment cannot be found. During a write this error is only seen when attempting to write the header segment.

### **5154 & 5183**

This is an error encountered reading or writing data. Part of the segment (called a sector) cannot be found on the disk. During a read this is overcome by error correction code (ECC) unless too many sectors in a segment cannot be found. During a write this error is only seen when attempting to write the header segment.

### **5155**

This is an error encountered reading or writing data. A segment being scanned has a deleted address mark (deleted address marks are associated with the disk header and should not be in the data section of the disk).

### **5156**

This is an error encountered reading or writing data. A segment being scanned has an invalid or out-of-sequence address mark. The driver should normally skip this segment during a backup.

### **5157**

This is an error encountered reading or writing data. A segment being scanned has been marked to indicate a bad sector. The driver should normally skip this segment during a backup.

### **5161**

This is an error encountered reading or writing data. The floppy controller terminated in an abnormal condition because it was using the wrong mode. **Possible solution:** If restarting the operation does not help, reboot the system (being sure to switch the power off before rebooting to reset the floppy controller).

### **5176**

This is an error reading data. An error in the data for a segment has been detected but cannot be corrected by the error correction code (ECC).

### **5182**

A segment expected to contain data is marked as unused in the disk header. This may indicate a corrupt header.

### **General Application Errors**

- 1** If restarting the operation does not work, exit the application, restart the application and retry the operation.
- 2** If this does not work, turn the computer completely off and back on before trying again.
- 3** Uninstall and reinstall the application if this error persists.

### **5106, 5108, 5109, 5113, 5114, 5141, 5202**

These are communication errors between the application and the driver.

### **1610, 1612**

These are errors within the application that cannot be corrected.

### **5112**

This is an error within the driver that the driver could not correct.

### **5144**

The disk drive failed to respond in the maximum time allowed.

### **5171**

The disk drive is unable to accept any commands and will not reset. On parallel port drives this may also indicate a problem with the parallel port configuration in the BIOS settings. **Possible solution:** Try different parallel port modes in the BIOS settings if this problem persists on a parallel port drive.

## Notification Errors

### 5110, 1629

The disk has too many defects to be used reliably for safeguarding data--the backup will not complete. **Solution:** Use another disk.

### 5111

If backups have been done before to this disk using the same disk drive (and no hardware modifications have been made), first retry the operation. If this does not work, reboot the computer before trying again. Uninstall and reinstall the application if this error persists.

### 5116

The operation was aborted by the user.

### 5146

The disk drive did not become ready and the driver was unable to successfully reinitialize the disk drive. **Possible solution:** If retrying the operation does not work, shut down the computer and turn power off (then on again) before rebooting to retry the operation.

### 5149

The floppy controller is reporting an attempt to seek past the last track. **Possible solution:** If retrying the operation does not work, shut down the computer and turn power off (then on again) before rebooting to retry the operation.

### 5153

The disk in the drive has the write protect tab moved to the write protected position, preventing data from being written to the disk. **Solution:** Remove the disk from the drive and move the write protect tab out of the write protect position.

### 5160

The floppy controller reported receiving an undefined or invalid command.

### 5162

A read or write operation was attempted, but there was no disk in the drive. **Possible solution:** Be sure the disk is in the drive.

### 5163, 1631

The disk is unformatted and cannot be read or written to. **Possible solution:** If the disk drive supports the formatting operation, format the disk. Otherwise a preformatted disk must be used.

### 5164

The driver is trying to seek (or has been requested by the application to seek) past the last valid data segment on the disk. **Possible solution:** If retrying the operation and rebooting the computer do not work, the disk header may be corrupted. When encountering this problem during backup or compare, reformat or discontinue use of the disk.

### 5165, 1632

The disk has a format that is not supported or recognized by the application. **Possible solution:** If the disk drive supports the formatting operation, format the disk. Otherwise a preformatted disk must be used.

### 5166

The direct memory access channel specified in the application configuration settings is invalid. **Possible solution:** Make sure the address is correct and retry the operation.

### 5169, 5201

The driver is unable to allocate enough memory to operate. **Possible solution:** Remove any unnecessary drivers and reboot.

### 5178

The disk type cannot be formatted by the disk drive. **Possible solution:** Use a disk compatible with the disk drive.

### 5203

The disk driver could not be loaded. **Possible solution:** 1) Be sure to reboot the computer after installing the program. 2) Uninstall the software to remove any current drivers and reinstall the software. 3) Under NT only an administrator can install the software. If this is not the case, log on as an administrator and reinstall the software.

### 1602

The volume table on the disk is full. **Possible solution:** The disk must be erased before additional backups can be made to the disk.

**What is an image file?**

lomega backup writes an image file to your backup media when you are using Jaz disks. This image file will temporarily consume the entire amount of available space on the disk. When the backup is finished, however, the leftover space will again be available for data files.

**Failure to Complete**

If your system cannot locate a Jaz drive that can read the disk, the backup or restore cannot be performed. Check the cable and power connections.

**General 1-Step Properties**

On the General window of Backup Properties you can do any of the following:

- ◆ Enter a description of the backup job in the Description text box.
- ◆ Turn compression on or off by checking or unchecking the Compression ON box.
- ◆ Turn the 1-Step taskbar icon on or off by checking or unchecking the Always show the 1-Step taskbar Icon box.
- ◆ View the backup history according to backup job and description.
- ◆ Reset the general settings to the original settings.

**File Selection in 1-Step Properties**

On the File Selection window of Backup Properties you can do any of the following:

- ◆ Click on the Select All button to select all files.
- ◆ Click on the Deselect All button to deselect all files.
- ◆ Click on the Filter button to use Include and Exclude filters
- ◆ Click on individual directories and files to select or deselect.
- ◆ Reset the file selections back to the original settings.

**Security in 1-Step Properties**

On the Security window of Backup Properties you can do any of the following:

- ◆ Turn on or off password protection.
- ◆ Enter a password to protect your backup files.
- ◆ Reset all Security settings to original settings.

**Run Options in 1-Step Properties**

On the Run Options window of Backup Properties you can do any of the following:

- ◆ Turn on and off the audible prompt associated with backup.
- ◆ Turn on and off the "Backup Complete" screen that displays when the backup is finished.
- ◆ Reset all Run options to their default settings.

