

STUFFIT **DELUXE[®] 12**

Please write your StuffIt Deluxe registration number here.

StuffIt Deluxe[®] 12 Startup Guide

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Introduction

All of us at Smith Micro would like to thank you for buying this product. StuffIt Deluxe 12 provides a suite of tools that help you compress, access, protect, send, backup and organize all of your important information. By combining multiple files and folders into a single compressed archive, StuffIt saves space on your hard drive and helps you fit more data on CDs, DVDs and other removable media. StuffIt compression helps you send information quickly over the Internet and across networks. Powerful encryption features ensure that your information is protected against unwanted access. StuffIt even allows you to compress JPEG photographs and MP3 files!

StuffIt Deluxe allows you to access all the files you download from the Internet and expands archives you receive from friends and co-workers, whether sent from Macs, PCs, LINUX, or Unix computers. StuffIt helps you safely backup all of your important documents. More than just a compression program, StuffIt Deluxe is a complete information management tool.

What's New in this Version

StuffIt Deluxe 12 goes back to the basics with an emphasis on providing advanced compression of a wide range of rich media file types. StuffIt now includes new technology that provides highly efficient compression of MP3s, PDFs and 24-bit image formats such as PNG, GIF, BMP, TIFF and more. StuffIt also includes new technology that provides our best ever compression of documents created by Apple's iWork package and the new Open XML-based file format introduced by Microsoft in Office 2007. Combined with StuffIt's existing photo compression technology (that allows JPEG images to be compressed by an additional 20 to 30 percent without loss of image quality), StuffIt Deluxe version 12 compresses better than any previous version.

StuffIt Deluxe 12 also includes numerous improvements to the core StuffIt applications. StuffIt Archive Manager benefits from the addition of scheduling and automatic archive features. Combined with StuffIt X compression, StuffIt Archive Manager's new features now provide you with the most efficient way to backup all of your important files. StuffIt MagicMenu has also been rewritten to provide quick and easy access to all of StuffIt's features directly from the Finder.

24-Bit Images: StuffIt now provides industry-leading compression of 24-bit, full-quality images. Bitmap, PICT, PNG, JPEG 2000 and TIFF files compressed with StuffIt preserve the pixels of the original image in a much smaller file footprint. No image information is lost. Expanded images are pixel perfect replicas of the original file.

JPEG: Only StuffIt has the ability to compress JPEG images by an average of 20 to 30 percent with no reduction of image quality. Using StuffIt, the expanded JPEG is a pixel-perfect copy of the original file.

MP3: StuffIt now includes exclusive MP3 compression technology that allows the size of your music files to be reduced by an additional 10 to 15 percent with no loss of audio quality. Expanded MP3 files are perfect replicas of the original file.

iWork: StuffIt compression has the ability to scan inside your iWork documents to efficiently compress the content, using specially optimized compression to efficiently compress the text, images and sounds they contain.

Office 2007: StuffIt now includes specially designed compression to significantly reduce the size of documents created in Office 2007. The embedded audio and image elements of your documents are each compressed with an optimized compression method ensuring the smallest possible file size.

PDF: StuffIt includes new technology to aid in the compression of PDF files. By sorting through the PDF, StuffIt is able to compress the text and images it contains with an optimized compression method.

Zip: StuffIt now has the ability to more efficiently re-compress zip files when they are added to a StuffIt X archive. If you're using StuffIt to backup your files, archives using legacy Zip compression won't waste valuable backup capacity.

The Rest: While StuffIt includes numerous improvements targeted at the compression of specific file types, it also provides the best compression of just about any type of file.

Installation

StuffIt Deluxe 12 uses a “Drag and Drop” installation method. To install StuffIt, simply drag and drop the “StuffIt 12” folder from the CD (or the mounted disk image if you purchased StuffIt Deluxe as a download) to your Mac OS X “Applications” folder. The first time you run any of the components of StuffIt Deluxe, a setup assistant will run to collect your registration information and install shared items to their correct location.

To complete the StuffIt Setup Assistant follow these steps:

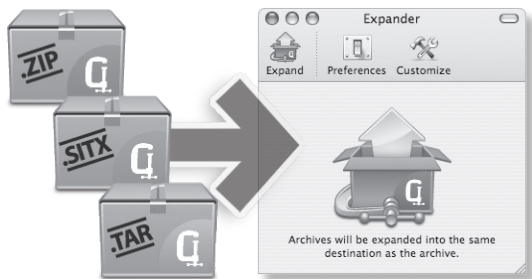
1. The setup assistant first displays a dialog that describes its purpose. **Click “Continue”** to start the setup process.
2. **Enter your name and registration number** in the fields provided. You will find your registration number either in the StuffIt Deluxe packaging or in the confirmation email you received when purchasing StuffIt Deluxe online. Enter a company name only if it is applicable.
3. In order to install the necessary components, StuffIt Deluxe must ask for your administrator password. Typically, this is the password you use to log onto your computer. Enter your user name and password, and then **click “OK”**.
4. StuffIt Deluxe will now install the necessary components onto your hard drive. A list of the files installed is displayed in the setup assistant window. StuffIt Deluxe will also remove files associated with older versions of StuffIt as part of its setup process.
5. When all the necessary files have been installed, a registration dialog is displayed. **Please take the time to register your purchase with Smith Micro.** Registration entitles you to receive technical support and enables us to send you notification when updates are available for your software.
6. **Click “Finish”** to close the setup assistant window.
7. In order to use all the features of StuffIt Deluxe, you must logout and then log back in to complete installation.

You must agree to the End User License Agreement to use this software. If you purchased StuffIt Deluxe electronically and obtained the software via download, you will be prompted to agree to the End User License Agreement when you first open the disk image file (.dmg). If you purchased StuffIt Deluxe on a CD, you will be prompted to agree to the End User License Agreement when you first run one of the StuffIt Deluxe applications.

Tip: You can use the StuffIt Setup Assistant application to repair an existing StuffIt Deluxe installation. You can find StuffIt Setup Assistant in the “StuffIt 12” folder in your Mac OS X Applications folder.

Using StuffIt Expander

StuffIt Expander® is used to expand archived, compressed or encoded files you receive over a network, from the Internet or on a disk. When you download files from the Internet, you'll find that they are typically packaged in an archive. Anytime you see a file with “.sitx” or “.zip” at the end of the file name, you're dealing with an archive that contains other files. StuffIt Expander is the application you use to open these archives to get access to the files they contain. You can use StuffIt Expander to open just about any compressed or encoded file you encounter. Expander can open StuffIt, StuffIt X, Zip and Tar archives as well as BinHex, MacBinary, Mime, UU encoded files plus many more.



The easiest way to use Stuffit Expander is to “Drag and Drop” the file you want to open on top of the Stuffit Expander icon that was created in the Dock when you installed the product. When you drag and drop the file on top of Expander’s icon, the application will launch and expand the item inside the archive. By default, the item in the archive will be expanded to the folder in which the original archive is located. For example, if you download an archive from the Internet to your desktop and then drag and drop that archive on top of Stuffit Expander, the item inside the archive will also be placed on the desktop. If the archive you are expanding contains multiple items, they will be placed in a new folder that will be created in the same location as the archive you are expanding.

New Feature! Stuffit Expander includes a new “One Time” options dialog that allows you to set many of the most common settings for Stuffit Expander so that they only apply to the current expansion task. To access one-time options, hold down the “Option” key while dragging and dropping an archive onto the Expander Dock icon.

Stuffit Expander supports the following file types:

File Format	File Extension	File Format	File Extension
Stuffit	.sit, .sitx	Mime/Base64	.mme, .b64
Zip	.zip	Compact Pro	.cpt
Tape	.tar, .tgz, .tbz2, .tZ	LHA	.lha, .lhz
RAR	.rar	Arj	.arj
BinHex	.hqx	Arc	.arc
MacBinary	.bin	Bzip2	.bz, .bz2
yEncode	.yenc	Gzip	.gz
UUencode	.uu, .uue	Unix Compress	.Z
Apple Single	.as	Cabinet	.cab

Using DropStuff

DropStuff™ is the counterpart to StuffIt Expander. Use DropStuff to create archives from your files and folders just as you use StuffIt Expander to open archives, compressed and encoded files. You can use DropStuff to create archives in StuffIt (.sitx), Zip (.zip) and Tar (.tar) formats.

Typically, you'll want to use DropStuff to compress your files whenever you're posting them on the Internet or whenever you're making backup copies. When you're sending files over the Internet, compressing files to make them smaller means it will take you less time to upload the file and the person receiving the file less time to download and open it.

The easiest way to use DropStuff is to drag and drop the files you want to compress on to the DropStuff icon that was created in the Dock during installation. The files and folders you dragged onto the icon will be compressed into a new StuffIt archive. The archive will be created in the same location as the files and folders you dropped onto DropStuff. For example, if you drag a folder called "Pictures" from your documents folder onto DropStuff, you will find a new file called "Pictures.sitx" in your documents folder. The original files from which you created the archive will not be moved or deleted. Instead, the files are copied into the archive leaving the originals intact. Unlike older versions of DropStuff, if you compress your Pictures folder into a StuffIt X archive, even your JPEG images will be compressed.

Tip: The StuffIt X file format can compress JPEG images by up to 30% without any loss in image quality!

Encryption

When you are sending sensitive files to other people, you can use encryption to protect your files with a password. This means if someone other than your intended recipient receives the archive that the files are stored in, they will not be able to open it and gain access to your documents. To tell DropStuff to protect your archives with encryption, simply launch the application and check the "Encrypt Archives" check box in the DropStuff Window. Do note, however, that encryption is only available when you are creating StuffIt and Zip archives

When you create an encrypted archive, be sure to make a careful note of the password that you used. Allume Systems is not able to recover the contents of an encrypted archive if the password has been lost. There is no "Back Door".

New Feature!

Just like StuffIt Expander, DropStuff now features a new "One Time" options dialog that allows you to set the most common compression options so that they only apply to the current task. To use "One Time" options, hold down the "Option" key while dragging files onto the DropStuff application icon.

Using MagicMenu

MagicMenu™ allows you to access the power of StuffIt Deluxe without launching any StuffIt applications. MagicMenu creates a special icon in the Finder's menu bar. To use MagicMenu to perform a task, select the items you want to process and click the menu bar icon to create a list of StuffIt related tasks that can be performed. The list of commands that are displayed in the MagicMenu are also available from StuffIt's contextual menu. To access the contextual menu, hold down the Control (Ctrl) key while clicking a file in the Finder. After you install StuffIt Deluxe, you should see a new "StuffIt" Menu appear in the Finder's contextual menu.

MagicMenu allows you to access one of the most useful features of StuffIt Deluxe, Stuff & Mail. Stuff & Mail allows you to compress a file or folder into a StuffIt archive and automatically attach that folder to a new email message. To use Stuff & Mail, select the file or folder you want to send, and then choose "Mail" from the MagicMenu. From the resulting submenu, you can then choose the archive format you want to use. You can use Stuff & Mail from the StuffIt contextual menu by Control (Ctrl) clicking the file and choosing "Mail" from the StuffIt menu.

By default, Stuff & Mail will use the email client currently set as the default on your system. For a new Macintosh, this will be the "Mail" application that comes with Mac OS X. However, you can change the mail client that Stuff & Mail uses with the Menu Preferences application. Stuff & Mail supports Apple Mail, Entourage, Eudora, PowerMail and QuickMail Pro.

After choosing Stuff & Mail, simply type the recipient's email address in the new message window and click "Send". With the ability of the StuffIt X file format to compress JPEG files up to 30%, StuffIt & Mail provides a great way to quickly and easily share your photos!

Using StuffIt Archive Manager

StuffIt® Archive Manager™ is a multi-functional application that allows you to group related files together into collections and create archives from those collections. Archive Manager is also the application you use to find archives located on your computer as well as to browse and change archive contents. Archive Manager includes a scheduler component that allows you to automatically create archives. This feature also allows selective archiving of only those files that match a particular search criteria that you define.

Browsing and Changing the Contents of an Archive

Archive Manager is a tool that allows you to browse, extract and even change the contents of an archive. Archive Manager works with StuffIt (.sitx and .sit) and Zip (.zip) archives. When StuffIt Archive Manager is available, you can open your archives for browsing simply by double clicking them.

Tip: You can tell StuffIt whether to open archives in Archive Manager or StuffIt Expander by using the StuffIt Expander “File Mapping” preference.

The StuffIt Deluxe application also allows you to browse the contents of RAR and Tape Archives (.tar) including Tape Archives that have been compressed using Unix Compress, Bzip or Gzip compression. You can browse the contents of such files and extract individual items without expanding the whole archive but the contents cannot be changed.

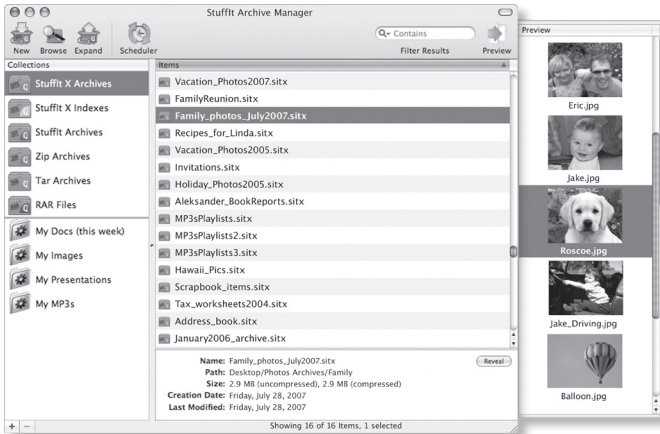
When an archive is open in StuffIt Archive Manager, its contents are presented to you in much the same way as the Finder presents folder content information. You can choose to view the contents of an archive using either a “List” type view or a “Column” based view.

You can add and remove files from an archive in the same manner you would add and remove files from a folder in the Finder. Drag files into the archive window to add them to your archive; drag files from the archive window to the Finder to extract them. You can also delete, rename, move and copy files in an archive the same as you would in the Finder.

Working with Archive Manager Collections

Stuffit Archive Manager provides you with more than just a way to browse and modify the contents of your archives. Archive Manager allows you to organize your archives into smart collections that are dynamically updated as you create and download additional files.

By default, Archive Manager comes with a number of pre-defined collections. With a single click, you can quickly view all archives of a particular format. For example, click on the “Stuffit” button and you are quickly presented with a list of all the Stuffit archives available both on your computer and on any mounted network drive. Powered by Apple’s Spotlight search technology, Archive Manager’s collection are continually updated as the contents of your hard drive change.



Stuffit Archive Manager also allows you to search for items within your collection using the “Search” field included at the top of the window. Simply type all or part of the name of the file you’re looking for and Archive Manager will update its list to include only those archives that match the search terms you specify.

In addition to the pre-defined collections that ship with Archive Manager, you can also create your own custom collections. These custom collections work in much the same way as “Smart Playlists” in iTunes. To create a custom collection, start by defining a set of search criteria such as the archive type, size, or modification list. When Archive Manager displays your collection, it searches its database of all accessible archives and displays only those items that match the search criteria you specify.

Here's how to create a custom archive collection that contains StuffIt X archives modified within the last week:

1. Launch the Archive Manager application.
2. Click the "+" button in the lower left corner of the application to create a new custom collection.
3. In the drop down sheet that results, define the search criteria you want to use to create your collection.
4. In the "Description" field, enter text that will help to remind you of what this collection is designed to do. For this example, type "New StuffIt X Archives".
5. The "Search Location" section allows you to specify where StuffIt Archive Manager will look for matching archives. Choose "Computer" to search on all hard drives accessible to your computer. This will include your hard drive, any external hard drives you have attached and any mounted network drives.
6. In the "Search For" section, specify the type of item you are looking for. In this example, click the "Name" pop-up menu and choose "Kind". In the pop-up menu that appears to the right of the "Name" field, choose "Archives" and, in the next pop-up menu, choose "StuffIt X".
7. To add an additional search parameter, click the "+" button.
8. Click the "Name" pop-up menu and choose "Last Modified" to create criteria that will display archives that have been recently modified. Type "7" in the text entry field to display only items that have been modified within the last seven days.
9. Click "OK" to close the dialog. You should notice that the Archive Manager dialog now has a new listing for the collection you just created. Once you exit the dialog, Archive Manager will immediately start building the list of archives that match your search terms.

Tip: StuffIt Archive Manager utilizes Apple's Spotlight Search technology. Accordingly, any items that exist in locations you have excluded from Spotlight searches will not be displayed.

Create archives from collections

So far, this discussion has covered how you would go about using Archive Manager to create collections of archives. However, StuffIt collections can contain files of any type including applications, music and pictures. Using StuffIt Archive Manager, you can create a collection that includes all the files you need to work on a particular project. For example, if you were the technical writer for StuffIt Deluxe, you could create a collection that contains only files located in the "Documents" folder that contain "StuffIt" in the name.

Using StuffIt Deluxe for Backups

StuffIt Archive Manager includes a scheduling feature that is designed to provide a simple, easy to use, personal backup solution. You can use StuffIt to schedule automatic file backups, and you can save the backup archives you create to CDs, DVDs, external drives, FTP servers and even your .Mac iDisk.

Getting Started

To get started with a backup task, launch the Archive Manager application and then click the “Scheduler” button. When you click the “New Task” button on the Scheduler tool bar, the “New Task” assistant is opened. This wizard style interface will walk you step-by-step through the process of selecting what to backup, where to create the backup archive and when the backup task should be run. The first dialog, however, simply asks you to pick a name for the backup task you are about to create.

Once you’ve picked a name, click the “Continue” button to move to the next step. You can also use the “Cancel” button to exit the assistant or the “Help” button for additional information.

What to Archive

StuffIt’s Scheduler is designed to be easy to use. When picking files to backup, the default option will simply backup all the files in your “Documents” folder.

In Mac OS X, most data that you have created while using your computer will usually be stored somewhere in your Home directory. The default interface presented in this dialog is designed to make it easy for you to add the various folders in your Home directory to the backup set. You can choose to add the entire Home directory to your backup set by checking the top item in the list. This will backup all the files in your Home directory including not only your documents but also any files on your desktop. This option also backups your personal preferences and settings for the various applications you use.

StuffIt allows you to add any folder on any accessible network or local drive to the list of items that will be backed up. You can add items to the backup list simply by dragging and dropping them from the Finder to the Scheduler window. You can use the “+” button to browse for items to add to the list, or use the “-” button to remove optional items from the list.

Criteria

By default, StuffIt will add all files and subfolders in the directories (or folders) you have designated to a new StuffIt X archive. For most users, this is the most desirable option. In some cases however, you may only want to archive specific files from the selected folder. The “Custom Criteria” dialog provides a way to tell StuffIt exactly which files should be included or excluded from the backup archive.

The criteria dialog works in the same way as the Finder’s “Find...” function. By adding search criteria in this dialog, you can tell StuffIt to search your selected directory to find matching items to be archived. The most common use for this dialog is to tell StuffIt to find files that have changed in the last week and then add only those files to your weekly backup archive.

Where to archive

The pop-up menu at the top of the destination page lists the various destination options to which your backup archive can be saved. You can choose to backup to your hard drive (although this isn’t recommended), recordable CDs and DVDs, an FTP server, an external hard drive (such as an external Firewire or USB device) or upload to your .Mac iDisk. You can even choose your iPod as a backup device!

Schedule

You can choose to have StuffIt automatically run your backup task at a specific time and the days of the week on which the task will be executed. Remember, if you choose to have the backup task run at a time when you will not be present at your computer (such as late at night, or over the weekend), you will need to make sure that the destination you specified will be available at that time and that it has enough free space in which to save your archive. Using an external hard drive or a remote server as a backup destination is the best way to do this.

Even if you are able to choose a backup destination that will enable you to schedule a backup in the middle of the night, make sure that you remember to leave your computer running! StuffIt cannot run a scheduled backup task if your computer has been turned off. If a scheduled backup task cannot be run because your Mac was turned off, StuffIt will notify you the next time you start your computer.

Restoring Files

The archives you create with StuffIt's Scheduler are standard StuffIt X archives (.sitx). To retrieve files from a StuffIt X archive, you can use StuffIt Expander, StuffIt Deluxe or any of the tools described in this chapter. However, StuffIt Expander supports a special mode specifically designed to take files backed up by StuffIt's Scheduler and place them back in the location on your hard drive from which they originated.

To access this feature of StuffIt Expander, use these steps:

1. Launch StuffIt Expander.
2. Choose "Preferences..." from the StuffIt Expander menu.
3. Click the "Destination" button in the "Preferences" dialog.
4. Click the "Expand Archives..." pop-up menu and choose the "By merging into the location specified by the Archive" option.

When you expand an archive with this setting enabled, StuffIt Expander will use the information specified in the "Source" tab of the StuffIt Deluxe "Get Info" dialog (see above) to pick the location to which files will be expanded. The contents of the folders in your archive will be merged into the matching folders on your hard drive. If StuffIt Expander needs to replace a file on your hard drive with one being expanded from the archive, you will be prompted to confirm which copy of the file you want to keep.

You can also browse your backup archives using the StuffIt Archive Manager application. This allows you to selectively expand just one or two files from a backup archive without having to restore the complete backup.

Using SEA (Self-Extracting Archive) Maker

StuffIt SEA Maker™ is designed to provide you with a document distribution system for use on Mac OS X 10.3 and 10.4. The archives you create can be expanded without StuffIt Expander. They can also display splash screen graphics and text-based Read Me files while expanding.

Adding Files

The easiest way to add files to an SEA is to drag the items you want to archive from the Finder and drop them into the SEA Maker window. After you have dropped the files, you will see a new “Install Files” phase listed in the SEA Maker window.

When a user runs the SEA, they will be prompted (by default) to specify the location to which they want the files extracted. However, you can specify a specific expand location while you are making the archive. Click the arrow in the “Destination” column to create a pop-up menu. You can either choose one of the default options on the list (such as Documents) or you can use the “Other...” option to specify a custom location. If the folder you specify is not present on your recipients computer, they will be prompted to choose a new destination.

Displaying a Splash Screen

To add a splash screen to your SEA, follow these steps:

1. Click the “+” button in the SEA Maker window to create a new phase.
2. Choose “Display Image” from the menu that appears.
3. Use the navigation dialog that is created to browse for the image you want to display. SEA Maker supports a wide range of image formats. The rule of thumb is, if the image format is supported by QuickTime, it can be used with SEA Maker.

Displaying a Text Dialog

To add a text dialog to your SEA, follow these steps:

1. Click the “+” button in the SEA Maker window to create a new phase.
2. Choose “Display Text” from the menu that appears.
3. Use the navigation dialog that is created to browse for the text file you want to use.

Tip: The file must be formatted as a plain text document. Files in RTF format are not currently supported.

Building your SEA

You can create a Self-Extracting Archive from SEA Maker by using the “Build” button in the tool bar. The “Archives” created by the StuffIt SEA Maker application are not, however, really archives at all in the strict sense of the word. Rather, the archives created by SEA Maker are Mac OS X application “packages”. The SEA packages created with SEA Maker contain a StuffIt X archive and the application code necessary to expand that archive, along with instructions created from your profile about exactly how the archive should be expanded. The SEA package also contains any text files and graphics you have chosen to include.

If you plan to post your SEA on the Internet, we recommend that you save it onto a Disk Image. You can do this automatically by choosing the “Build Disk Image” button in the SEA Maker tool bar. When you choose this option, your SEA will be saved onto a DMG file that can be mounted as a disk in the Finder.

Mac OS X Integration

StuffIt Deluxe includes two features that are designed specifically for Mac OS X 10.4 “Tiger”.

Spotlight

Spotlight is a new search technology included for the first time in Mac OS X 10.4. Spotlight builds and constantly updates an index of all the files located on your hard drive. When StuffIt Deluxe is installed, Spotlight is able to extend its index capabilities to include the names of files located in StuffIt, Zip and Tar archives. When you use Spotlight to run a search, if a matching file is located in an archive, that archive is returned as part of Spotlight's search results.



Automator

Automator is a new feature of Mac OS X 10.4 that allows you to create scripts using a visual point and click interface. StuffIt Deluxe includes plugins that allow you to create and expand StuffIt, Zip and Tar archives from within your Automator work-flows.

When you launch the Automator application, you will see a new “StuffIt” item listed in the Automator Library. To use StuffIt successfully as part of an Automator workflow, it is recommended that you follow the following rough outline:

1. Use the “Finder” or “Spotlight” Library items to create a collection of files to be compressed. You can either use the “Finder” item to select a folder, or the “Spotlight” item to create a search command that returns a list of items to be archived. Once you have a step that results in files or folders, you can then move to step two.
2. The StuffIt Library item offers the choice to create an archive in either StuffIt, Zip or Tar format. Once you have chosen the format you wish to use, you can then set additional options such as choosing a destination for your files or encrypting the archive. You can also specify that the user be prompted to set these options when the task is run.

When your Automator workflow is run, the list of items created by step one in the process is handed to the StuffIt step, which then adds those items to an archive.

You can also use StuffIt as part of a workflow to expand archived, compressed or encoded files. As before, you will need to have created a step that results in a compressed file in order to use Expander as part of a work folder. This first step, for example, might be a Safari step that downloads a file from the Internet.

Technical Support:

You may contact us for technical support (available to all registered users). You can receive information immediately by visiting our Technical Support web site:

<http://www.allume.com/support>

The online site provides a constantly updated Knowledge Base consisting of FAQ's (Frequently Asked Questions). Chances are good that someone has reported the same issue and we've posted information about it.

If you haven't found the answer after reviewing the pertinent FAQ's, you can submit a form to our Support staff which they will respond to by email. Support requests are answered in the order they are received and response time varies depending on the number of pending requests. We therefore recommend checking the FAQ's.

When submitting a Support request, you will need to know the following information:

- The exact version of StuffIt Deluxe you are using.
- The exact version of the Operating System you are using.
- If you have a Serial Number, you will have the opportunity to enter it when submitting a Support Request.

How To Contact Smith Micro:

Web: <http://www.allume.com/support>

Fax: (831) 761-6206

Phone: (831) 761-6200

Mail: Smith Micro Software, Inc.
Allume Systems Division
185 Westridge Drive
Watsonville, CA 95076

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