

Changes and Fixes

1.0 fixes and added features. Sometimes when the changed box was checked all the files were backed up again. Individually selected files would not back up. When the backup set was added to it would only backup some of the new directory. checks the disk free space on the target

Drive against the selected files to be backed up. Warn if there's not enough room.

1.1 when files changed was picked it would sometimes backup all the files again.

2.0 status box telling what is happening. Option to backup even if files to be backed up is greater than disk free space (some files might be replaced and compression may be used). Horizontal scrollbar put in so full path and filenames can be seen on long paths or filenames. Option to restore files to a different directory. Can now backup files in the root directory.

3.0 added total files backed up progress bar, automatically creates a temporary file on hard drive so a 'backup changed files' will work with files over 50megs, cosmetic changes, doesn't re-read archived files after a restore.

4.0 totally changed the interface look and functioning, making it easier to use, replaced old directory browse with a win95 type, added a log file which records what files were backed up or restored last, fixed the restore progress bar - it now shows the correct percentage completed, took out confusing file filter box and put in a pull-down file filter box that has many file types, put in animated file transfer graphics, now has the option to delete more than one line from the backup set box, fixed 'searching for changed files' when changed is checked and restoring files, the changed check-mark now stays the same when restoring files, now uses LZH5 compression (30-50% more than LZH1).

4.1 would add a double \ when adding individual files, hint said double-click to add to file set when single click would add, double-click deleted a line in backup set. Made adding and removing lines from backup set easier and safer. Directory tree now defaults to current windows directory. Archive form would not show bottom status line in high resolution settings.

5.0 totally changed the look and interface, now supports drag and drop file/folder selection, multiple disk spanning, IntelliBak suggests files to backup, eject disk on exit option, shows date, time, and elapsed time of last backup, option to browse or format drive before backing up, search and select files in list with a specific word, will accept any file filter, file icons show by files, automatically saves backupset on exit, only needs the name of the backup and assigns .set for the backup list and .001 and so on for each segment of the backup file, shows free space and uncompressed backup size, and allows user to select which drive the temp file is on. When copying zipbak.exe to the destination disk (optional), it would error when trying to write the log file, now has AutoBak which lets you put 2 parameters after the program when running it so it can be run automatically with no user interaction (such as with a scheduler which will be out soon from BlackBoard).

5.1 Fixed an access violation error in the IntelliBak function which appeared on some computers.

5.2 Fixed disk spanning problem, easy to use browse window before each restore, unselect all now works in the advanced backup section, doesn't show confusing 'mount segment' box, works with NT, files are sorted by name in advanced backup, restore

progress bar shows correct percentage completed, sometimes would get stack overflow, when options was clicked it doesn't re-read entire backup list, better example of how AutoBak works in directions.

5.3 Changed name to BlackBoard Backup (ZIP is a trademark of IOmega Corp), it used to ask to insert a disk even when backing up or restoring from to the local hard disk, users were allowed to put a drive:\path and filename for a backup name which would cause an access violation; names are only needed, autobak mode would only work if you backup the same set that you had last used, backup when changed didn't work if it was selected while no previous backup file existed.

5.4 Fixed access violations which occurred on new installations (upgrades from version 4 worked because it had the missing zipbak.ini file), moved password option from main menu to both option windows (backup and restore), included backup options in the Backup To window, numbered steps to backup, restore, and in Intelli-bak, format and browse windows were stuck behind Backup To window, Restore To window includes an option to type in a path (in case you need to create a new one), SAVE button allows you to save backup set as a different name, if restoring a different archive name than the backup set then when the program was closed it would save the backup set as the restore name, improved Intelli-Bak so it can add selected files to the main backup set being used, new backup name is less likely to accidentally overwrite an existing backup set because if the set already exists the user is prompted to overwrite, now shows how many days until unregistered version of program expires, added exclude file filter to Intelli-Bak, tested backups over 70 megs and 4,200 files big with no errors such as stack overflows, because of the new user friendly interface the auto-load of the last backup set is disabled but a new quick way to load the last backup set is clicking on FILE, then the first menu item is the last backup, added more hints to buttons and windows, find box would show 'index out of bounds' if clicking next after the last line found.

5.5 Some buttons were disabled under certain circumstances and should not have been, now a backup can be done not only from another network computer but also to another network computer, new domain name and e-mail address updated, include default configuration files with default options such as 'include subdirectories and compress, include Windows NT patch program which will make a copy of a DLL file and rename it to prevent an error when running on NT, doesn't ask to insert disk 1, previous version didn't backup folders with a period (.) in the name - very rare, now shows backup size of entire drives (like a:*.*), shows different animation when building file list than when transferring files, put intellibak in second window so it can check for duplicates and only list files that are not already selected, would sometimes set segment size to 1.44MB when backing up to hard disk in Windows NT, autosaves backup set when clicking NEXT on the backup form and ADD in Intelli-Bak(TM), calculate backup size based on when 'changed' is checked, add OK and CANCEL button to options form, displays when files in use and asks if to take them out of the backup, Intelli-Bak(TM) now has a choice for searching for files by date or by file type. verify option checks archive integrity, status shows full path selected, find dialog box closes when done and starts at top after unselected is pressed, double-click unselects archived files to restore, option to overwrite when restoring files.

5.6 re-did packaging and made registration easier.

5.7 access violation only on the first time ran on new installations (not upgrades),

5.8 AutoBak(TM) gave access violation, some files like read-only ones would show 'cannot access', when CANCEL is clicked on a 'cannot access' warning all other non-accessible files will be taken out automatically without a warning message, after opening an archive and closing the program using the X it would give an 'illegal function call' message, when restoring and the 'not overwrite was picked' and the file existed it would give an 'index out of bounds' error.

5.9 AutoBak(TM) didn't work with option 'backup changed files', restore progress bar would show 100%.

5.9a AutoBak(TM) didn't accept parameters on some versions.

6.0 put the option for backing up changed files before building the backup list, add ScanDisk to options (win95/98), add disk label to options, resizable form, creates shortcut on desktop for AutoBak(TM) or for current backup set, option to delete archive from main menu, easy to use wizard format, display a clearer message when file is in use, option to exclude directories/folders in backups and Intelli-Bak(TM), option to save the backup set file to another folder, ability to easily view a file before you add it to your backup set, choice between no compression, rle, lzh, and lzh5, displays error if directory in backup set doesn't exist, shows free space left on drive after backup, associates file types .001 and .set with program, ability to make incremental backups within the same day, shows the files as well as the directory of where you're restoring and backing up to, now restores to different location without the Overwrite box checked.

6.1 file association only worked when manually selecting it from the menu, when using 'changed files' setting in AutoBak(TM) the main backup would get overwritten by the incremental, now automatically saves the backup set when going to the next screen, move sub-folder checkbox to an earlier screen (before it builds the file list), when saving backup set with 'save as' it didn't change the archive name to the new set name, refresh in destination screen wasn't working, includes BlackBoard Cron for scheduled backups.

6.2 made the 'restore-to files box' browsable, the NT compatibility program show up in the program group, changed name to Intelli-Bak from BlackBoard Backup, read-only problems would show up twice when trying to restore which would give an error.

6.3 always defaults to same directory for opening and saving backup sets, directory browsers are now active (open/run, cut, copy, paste, delete, sort) and shows more file information, defaults and includes subdirectories for first backup, doesn't ask to save .set file after manually saving, option to exclude individual files and file types from backup, removed 'load' button because double-clicking on file will open it, replaced Cron with JIT task scheduler, option to show files to be backed up before backup is done, show what drive was selected for backup on the last tab form status, limit disk label to a maximum of 11 characters, button click shows the size of a directory with sub-directories, new set to not ask what name to save twice, if another filter was used (like *.doc) nothing in that directory would backup, fixed file exclusion problem and now it can exclude individual files too, disable archive verify on disk spanned and network backups, sort backup list alphabetically, double-click on selection box line shows which files are in there plus how big and how many there are, wizard shows how to add a directory of a specific file type, cd-rw backup compatible, move options to it's own form, more descriptive log, commands such as New & Open available without the mouse from the top menu, show free disk space on status bar before restoring, option to backup

locked files, option to abort/stop backup, now compatible with Windows2000.
6.4 sometimes drag-n-drop would not work, no validate would not work when backing up to fixed drives, ability to abort transfer on restores, clearer option when backup/restore ends, program ended after backup or restore, cosmetic improvements, add w/filter option easier to use, can now backup multiple times in a row without errors.

DIRECTIONS

To backup or archive files:

For a new backup set (list of files/folders to backup), click NEW. Click on MyComputer and drag-n-drop folders or files from the left boxes into the right box. Another way to add folders to the backup set is to click the folder you want, then FILTER. A window pops up and asks what type of files do you want to backup in that folder. *.* means everything which is the default. If you want only document files you'd set the filter to *.doc and so on. Save the set by clicking SAVE or you can click NEXT and it will ask you what name you want and where to save the backup list. Remember, this backup set is a list of the files and folders you just selected to backup. .

or

To open a previously saved backup set, click OPEN, then double-click on a previously created backup set (.set) file.

After you open a previously saved backup set, you can still add/remove files/folders from it, then save it again.

OPTIONS :

A windows will pop up when you click a button called OPTIONS.

Verify : Select this if you want to verify the integrity of your backup after it's done. This will make the backup take longer but you'll know if the backup file/archive is good.

Backup Changed Files : Select this when you want to backup files that have changed since the last backup. This makes additional backups much faster and is sometimes called an 'incremental backup'.

Include Subfolders : Select this if you want to backup files in all subdirectories/folders from the ones you selected.

Backup Locked : Select this if you want to backup files that are open/locked. This is not the safest way to backup files but sometimes it's necessary.

Password : Click this and you can password protect your backup for privacy.

Compression : Select which type of compression you want. If you use LZH5, you can usually get your backups to less than half the size of the original files.

Temp File : Select which drive you want your temporary file on. The drive you select must have at least the amount of space as the backup file/archive file (which is about half the size of your backup). If you don't have enough room on C, then change your temp file to D if you have another drive.

SIZE :

Click this to after selecting a folder on the left to see how big it is (how many megs with all subdirectories).

PREVIOUS:

Click this to go back to the beginning/previous screen.

View: Click to open and view the currently selected file.

You can now right-click on any folder/file on the left file browser and delete, rename,

move, open, etc.

SELECTION OPTIONS:

Remove : After selecting a file on the right box, click Remove to remove/erase it from the selection box.

Save : Click to save your backup set/list of files to be backed up.

Find : Click to find a file in the backup list that's showing.

Details : Click a backup selection line above and then click Details to show which files are going to be included in that folder and how much space will it take.

Click NEXT.

You may have to wait several minutes depending on the size of your backup.

Click on the destination drive.

Note the backup size and free space at the bottom of the window. If the backup size is great than the free space you may need another disk.

The backup size shown is uncompressed. You can usually estimate half that size if you use compression. Also, it's recommended that you backup on blank disks since the segment size on each disk will be the total size of the disk (not the free space left).

DESTINATION OPTIONS:

Built List : Shows which files are about to be backed up and how much space, uncompressed.

Scan : For Windows95/98; runs Microsoft ScanDisk on destination drive (scandisk.exe)..

Refresh : Re-reads free space on destination drive.

Browse: View files on destination drive with edit, copy, move and delete options.

Format : Format option to format the selected destination drive.

Last Elapsed Time : How long the last backup took.

Last Backup : When the last backup was done.

Free Space : Shows how much free space on the selected destination drive.

Backup Size : Shows how big the backup is, uncompressed.

Click NEXT.

ADVANCED FILE SEARCH :

This unique feature allows you to find files to backup which you might have missed.

There are two ways to search, by file type or by date range.

Click the Advanced File Search box if you want to search and have the option to add other files to your backup set.

Step 1 : Select to search by either file type or by date range. You may want to use file type if you are concerned about having all your word files backed up.

Step 2 : Select which drive you want to search. Click exclude to exclude such things as temp folders etc. Then click Search.

This may take several minutes.

Step 3 : Now select the files you want to add to your backup set. you can select multiple files by holding the control or shift key and clicking on the files you want. Then click Add to Set. This not only adds the file to your current backup selection but also saves it to your backup set.

Gernal Options :

Remove : Removes the selected line from the box above.

Find: Finds a file in the box above.

Clear : Clears the box above.

Add : Adds the selected line to your backup set and current backup.

Click NEXT.

Exclude List :

Click the Exclude List box if you want to exclude any files/folders from your backup set. Drag which folders you want to exclude from this backup set. For example, if you run Windows NT, backing up your profile directory, and want to exclude your temporary files you might exclude c:\nt\profiles\administrator\temporary internet files .

Disk Label : This is the disk label of your destination drive. You can view it and/or change it here.

Click GO to start the backup.

A TRANSFER FILES window shows you the status of the backup. At the end of the backup you'll see how many files successfully backed up and on the bottom status window you'll see how much free space is left on the destination drive. This is useful when you're doing incremental backups and need to start over (formatting or erasing destination disk) when the disk gets full.

If it doesn't fit on one disk, you'll be prompted to insert the next disk.

To restore files from a backup:

If restoring from a multiple disk backup, make sure to put in first disk.

Click the RESTORE tab. Click the big OPEN button. Then select the backup archive file (ends in .001). If the archive file is big it could take a few minutes to load the list of files.

or

Double-click on an archive (.001) file in 'MyComputer' or explorer.

Select file(s) to restore or click SELECT ALL to restore all files in the backup list.

Click NEXT.

Choose original location or different location if you want to restore to a different location. If you click DIFFERENT LOCATION then click on 'MyComputer' to select the drive you want to restore to.

Below, click on the folder where you want to restore. If you don't see it, you can type it in in the bottom box.

Make sure the bottom box shows the correct restore destination.

Click NEXT.

If you want to overwrite any existing files in the restore directory then click the OVERWRITE box.

Click PASSWORD and type in your password if your archive is password protected. It will ask for your password twice.

Then click GO.

A TRANSFER FILES window shows you the status of the restore and which files are being restored.

When done you'll see how many at the bottom.

BlackBoard AutoBak (TM):

AutoBak(TM) is a function that allows you to run unattended backups automatically in the background. Most task/program schedulers such as JIT can schedule AutoBak to run. Just add the shortcut link created by BlackBoard Intelli-Bak to the schedule program and you're ready for automatic backups. The shortcut link has all the parameters such as what backup set, compression, destination, etc.

To create the shortcut on your desktop, click on FILE, AUTOBAK SHORTCUT after you've made or opened a backup set.

To create a shortcut on your desktop to your favorite backup set, click FILE, SHORTCUT.

Note : Since AutoBak is intended to be use as an unattended backup, it will not work on multiple disks. Therefore the backup must fit on 1 disk to use AutoBak.

You can insert the AutoBak command line in the JIT scheduler - (example)

```
c:\program files\blackboard software\intelli-bak\zipbak.exe "auto lzh5 same subdir d:\ c:\backup.set"
```

The 6 parameter commandline example shows that Intelli-Bak will automatically run using lzh5 compression, all files (not incremental), to drive D using the backup set c:\ backup.set .

Parameter 1 - auto

Parameter 2 - lzh5 or lzh or rle or none

Parameter 3 - same or changed

Parameter 4 - subdir or nosub

Parameter 5 - (destination drive/directory)

Parameter 6 - (path and filename of backup set to use)

Tips and Troubleshooting:

If you're spanning on more than one disk or backing up to a networked drive, you cannot use verify. Instead you can open the archive. If the disk is bad, it will give you an

error. I've seen a bad disk even when scandisk said it was ok.

To view what files were backed up, click VIEW LOG after you've made or opened a backup set. This log only shows the last backup history.

To save time you can create a shortcut of your most frequently used backup set on your desktop. Just open or create a backup set and click FILE, SHORTCUT.

If you see an error - SEGMENT NOT FOUND it could be because you've selected CHANGED FILES and there isn't a first archive on the destination drive, the destination drive needs to be re-formatted, or the destination disk is bad.

On some buttons and boxes you can hold the mouse cursor over them for a couple seconds and get a hint/description of what to do or what it's for.

Since floppies and Zip Drive disks usually won't fit all data from a hard disk it's recommended that you save all your data files (not program files) into a single directory such as C:\My Documents . This way you'll only have to backup one directory, use fewer disks, and make quicker backups.

Some programs may use .001 or .set file extensions and associate them with their program. To re-associate them with BlackBoard Backup, click FILE, ASSOCIATE FILE TYPE.

You can delete an archive if it's open or it's backup set is open by clicking FILE, DELETE ARCHIVE.

To automatically eject a removable disk when exiting, click CONFIG, EJECT ON EXIT.

Click HELP, ABOUT to view program name, version, and registration information.

To register, click HELP, REGISTER.

Click HELP, HELP to view this help file.

Special thanks for Rich Howard for graphics design and everyone who gave us their suggestions.

JIT task scheduler was created by JIT and permission by them was given to us to include this freeware program in our package.

Features

Full featured, 32-bit file backup program for Windows 95/98/NT/2000.
Advanced File Backup function which helps you find files that you might have missed.
AutoBak(TM) function allows unattended backups with JIT task schedule program included free.
CD-R(W) ready*.
Backup files to any drive letter including floppy disks, removable, and networked drives.
Multiple disk spanning
Choice of super high LZH5, LZH, RLE, or no compression.
Passwords protect option.
Create multiple backup sets, each having a descriptive name.
Incremental or full backups with option of folder exclusion list.
Visual bar graph of backup progress.
Easy to use wizard with NEXT and PREVIOUS.
Drag and Drop file or folder selection.
Associates file archive and backup set file types for use in Windows Explorer.
Option to automatically create a backup set shortcut on your desktop.
To insure safer backups there's a choice to do scandisk, format and archive integrity verification.
Options to browse/edit destination disk , or format, drive selection for temporary file, delete archive after restoring, backup open files.
Restore to differnt drives and/or directories with open of overwrite existing files.
Open and view the file list and size before you backup.
Option to eject disk on exit.
Shows useful information like how much free space the destination drive has next to how big the backup is, free space after the backup, log of all files backed up.

*With Adaptec's Direct-CD.

BLACKBOARD SOFTWARE REGISTRATION FORM

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To register by credit card --
In BlackBoard Backup, click HELP, REGISTER, BUY IT ONLINE while connected to the internet.

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Your key code will be e-mailed to you as soon as we receive your check.

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