



# O&O DiskRecovery 4

O&O DiskRecovery 4  
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O&O Software GmbH • Am Borsigturm 48 • 13507 Berlin • Germany

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# Table of Contents

<b>About O&amp;O DiskRecovery</b> .....	<b>1</b>
Welcome to O&O DiskRecovery 4! .....	1
Differences between O&O DiskRecovery, O&O FormatRecovery, and O&O UnErase .....	2
Getting The Right Version To Meet Your Needs .....	3
Note About Licensing .....	4
<b>Installation and System Requirements</b> .....	<b>5</b>
System Requirements .....	5
Installation .....	5
Registration .....	6
Uninstallation .....	8
<b>Infos About Data Recovery</b> .....	<b>9</b>
Technical Limitations of Data Recovery Software .....	9
What To Do When Data Loss Occurs .....	9
<b>Getting Started</b> .....	
If Data Has Been Deleted Prior to Installing O&O DiskRecovery .....	11
Preparing O&O DiskRecovery for an Emergency .....	11
Using O&O DiskRecovery in an Emergency .....	11
Controlling O&O DiskRecovery .....	12
Saving a Data Recovery and Continuing It Later .....	12
<b>Using O&amp;O DiskRecovery</b> .....	<b>13</b>
Starting O&O DiskRecovery .....	13
Selecting a Drive .....	14
O&O DiskRecovery Scan Settings .....	15
Additional Settings .....	16
Running and Interrupting a Scan .....	17
Selection Files for Restoration .....	18
Preview .....	19
Filter .....	20
Selecting a Target Folder .....	21
Defining an FTP Server as Saving Location .....	22
Creating a Report .....	23
Saving Files .....	23
Completing the Data Recovery .....	25
<b>File Types and Signatures</b> .....	<b>26</b>
Overview .....	26
Adding Your Own Signatures .....	26
Automatically Loading Signatures .....	27
Selecting file types to be scanned .....	27
List of Supported File Types .....	29

<b>Data Scan and Recovery Optimization</b> .....	<b>44</b>
Data Scan Settings .....	44
Quicker Scanning with O&O SmartScan .....	44
More Precise Scanning with O&O DeepScan and O&O RawScan .....	44
<b>Starting Without Prior Installation</b> .....	<b>46</b>
O&O InstantDiskRecovery .....	46
License to Use O&O InstantDiskRecovery .....	46
Creating an Emergency Disk .....	47
Starting and Using O&O InstantDiskRecovery .....	50
<b>Support and Contact</b> .....	<b>51</b>
<b>End-User-License Agreement</b> .....	<b>52</b>

# About O&O DiskRecovery

## Welcome to O&O DiskRecovery 4!

Thank you for choosing O&O DiskRecovery 4 and putting your trust in O&O Software!

It's happened to the best of us: with the blink of an eye important files can be deleted and presumed lost forever. Whether the result of a computer virus, a software error, or user error, this can be devastating. Important documents and business data aside, in the age of digital photography the loss of a captured moment can be irreplaceable.

When such a disaster strikes, what can be done? Many users cut their losses and accept that their files are lost. However, this is not necessarily the way it has to be. Even when Windows does not offer a viable solution for the recovery of lost data (i.e. the Recycle Bin), hope is now a possibility with O&O DiskRecovery, an easy and secure way to recover data you had thought was deleted. Accompanied by an on-screen assistant, you are guided through the data recovery process, step-by-step. When all is finished you will be able to use the once-deleted data just as before.

Just a small hint: As soon as you have notice important files deleted, immediately stop all activity on the computer. Then start O&O DiskRecovery to restore those missing files. If work on the computer continues as normal, important data can be overwritten making the recovery of desired data more difficult, if not impossible.

For this reason it is advised that O&O DiskRecovery be already installed on your system to be ready when disaster strikes. This is the only way to ensure the best success possible for the recovery of lost data.

We hope this product is a joy for you to use and saves you valuable time at home and the workplace.

Your O&O Software Team  
[www.oo-software.com](http://www.oo-software.com)

## Differences between O&O DiskRecovery, O&O FormatRecovery and O&O UnErase

O&O DiskRecovery, O&O FormatRecovery, and O&O UnErase are three separate software products that are designed to compliment each other.

It is sensible to use all of these products in order to achieve the best data protection possible. Here are a few typical application examples to illustrate the differences between the software programs.

	O&O UnErase	O&O Format-Recovery	O&O Disk-Recovery
Files were accidentally deleted from the Recycle Bin.	x	x	x
A virus or malicious software caused damage to some data and now some files or folders are missing.	x	x	x
A drive was formatted		x	x
Windows is saying that the drive has to be reformatted.		x	x
The storage volume was reformatted and the files were heavily fragmented.		x	
O&O UnErase did not produce the desired results.		x	x
Windows can no longer access the hard drive.			x
No file system is present on the drive.		x	x
O&O FormatRecovery and O&O UnErase did not product the desired results.			x
A new operating system was accidentally installed.			x
Data recovery with O&O products is not possible. The storage volume is defective.	Contact O&O Services by E-mail at: <a href="http://www.oo-services.com">www.oo-services.com</a>		

It is important to understand that all three products are not harmful to your system. As these products are designed to read data from one volume and write to another, there is no danger that any of your basic system settings will be affected.

O&O DiskRecovery, O&O FormatRecovery, and O&O UnErase can be purchased individually or as a part of the O&O RescueBox; an all-in-one data recovery bundle.

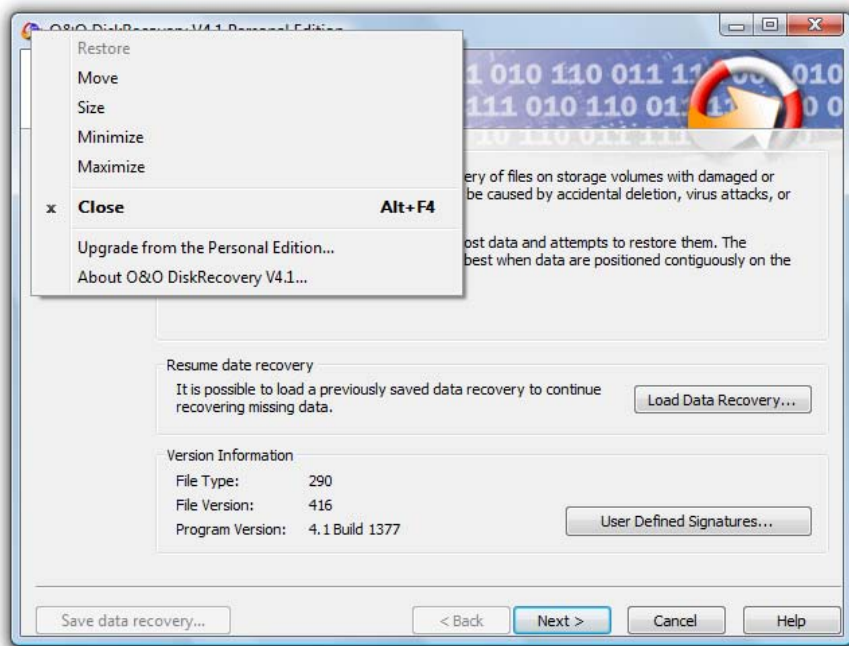
If you have additional questions regarding the functionality of our products, please do not hesitate to contact us. We would be glad to help.

## Getting The Right Version To Meet Your Needs

O&O DiskRecovery is available in three different versions: Personal, Admin, and Tech Editions. All three differ with respect to their functionality as well as to the nature of their software licenses.

- The **Personal Edition (PE)** can restore up to 100 files with every data recovery. The PE License is computer-bound, meaning that the software may only be used on a single computer. The PE is ideal for home users.
- The **Admin Edition (AE)**, unlike the PE, can restore an unlimited number of files in a single data recovery and may be used on all computers in a specified company. The AE License is person-bound, meaning that the software is licensed per administrator. It is not permitted for this program to be installed on non-company computers or be used as part of a service provided to others. The AE is ideal for all companies looking to recover deleted data from company-internal computers.
- The **Tech Edition (TE)** expands the AE to include the use of O&O DiskRecovery on non-company computers. This license grants this software's use as part of services provided in the field of data recovery. This software is licensed per technician, enabling licensed technicians to run it on any number of computers. The TE is ideal for all companies offering data recovery services to their customers.

It is possible to upgrade from one edition to another by way of the system menu. Upgrades to another version can be made through the system menu. In the program window, click on the product icon top left, and then on **Upgrade from Personal Edition**.



### Upgrade from Personal Edition

If you require additional information regarding the licensing of this product, please contact us.

## Note About Licensing

Feel free to test O&O DiskRecovery 4 free of charge and obligation by acquiring the trial version of the software. This version allows you to scan your system but does not allow any data recovery. This function is only available in the full version.

O&O DiskRecovery PE is licensed per computer. This means that for every computer on which you run O&O DiskRecovery, it is necessary that you purchase a license. This license may not be transferred onto another computer.

If you would like to implement O&O DiskRecovery in your company or as a technician for your customers, then please contact our resellers or distributors who can offer you the right license to fit your needs.

# Installation and System Requirements

## System Requirements

### **Note:**

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guide at [www.oo-software.com](http://www.oo-software.com).

### **PC System**

O&O DiskRecovery is compatible with:

- Windows Vista
- Windows XP Professional and Home Edition
- Windows Server 2003 (all versions)
- Windows 2000 Professional, Server and Advanced Server
- Windows NT 4 Workstation and Server (at least Service Pack 6 with at least version 5.0 of Microsoft Internet Explorer),

### **Administrative Privileges**

In order to install and run O&O DiskRecovery, it is necessary for you to be a member of the local administrator group or possess an equivalent level of privileges. If you are a domain administrator, then you usually possess the adequate level of administrative privileges.

## Installation

### **Note:**

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guide at [www.oo-software.com](http://www.oo-software.com).

The installation of O&O DiskRecovery is very easy. Please follow the steps described below:

1. Start the computer on which you would like to have O&O DiskRecovery installed.
2. Sign in as an administrator or equivalent.
3. Start the O&O DiskRecovery installation file that you either downloaded from our server or received on one of our software CDs.
4. After the setup program has successfully been installed, please follow the on-screen directions.
5. During the installation process you will be asked to decide which users will be allowed access to use O&O DiskRecovery. You will have the choice between the current user and all users.

## Registration

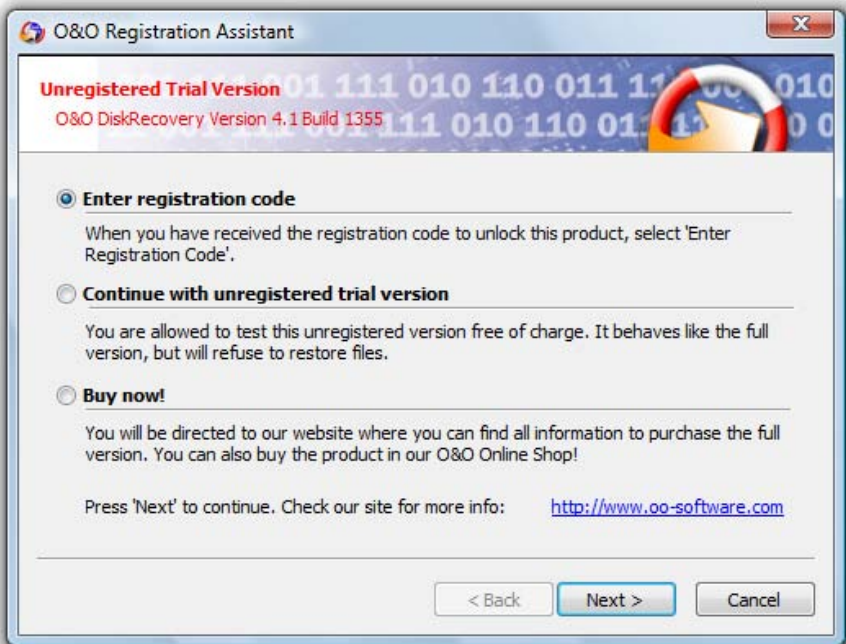


### Note:

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guide at [www.oo-software.com](http://www.oo-software.com).

To register O&O DiskRecovery you will need the registration code you received after you purchased the product. This registration code is also referred to as the license key, license code, serial number, or product ID.

When you would like to enter your license key, start O&O DiskRecovery. The Registration Assistant will appear every time the unregistered version of O&O DiskRecovery is opened. As noted above, this version allows you only to scan for deleted files, but not to restore them. This functionality can only be found in the full version.



O&O Registration Assistant

The Registration Assistant allows for a simple and uncomplicated registration process. When you click on **Enter Registration Code**, a dialog box will appear. In the registration dialog you can enter your registration code that you received when you purchased

O&O DiskRecovery. Please make sure that you do not confuse the letter “O” with zeros or enter in any empty spaces.

O&O Registration Assistant

**Unregistered Trial Version**  
O&O DiskRecovery Version 4.1 Build 1355

Please enter your name, your company and your registration code in the fields below and press 'Next'. Press 'Cancel' to continue using this product unregistered.

**Name:** John Smith

**Company:** Acme Inc

**Serial#:** XXXX-XXXX-XXXX-XXXX-XXXX

If you have any problems with the registration code, please contact our support or refer to our homepage for further information:

E-mail: [support@oo-software.com](mailto:support@oo-software.com) Web: <http://www.oo-software.com>

< Back Next > Cancel

### Registration Dialog Box

Press **Next** to save the information entered or click **Cancel** to close the dialog box. If the license information was entered incorrectly, the Registration Assistant will appear again the next time you start O&O DiskRecovery.

If you run into any problems during registration, please contact our support team.

If you would like to remove O&O DiskRecovery from your system, then please follow the directions described in the section “Uninstallation”.

## Uninstallation



### Note:

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guide at [www.oo-software.com](http://www.oo-software.com)

To remove O&O DiskRecovery from your System, open the **Control Panel** under the heading **Settings** in the Start Menu and click on **Software**.

Please select **O&O DiskRecovery** from the list of installed software and click on the **Add/Remove** button.

Confirm the uninstallation of O&O DiskRecovery. After this process is completed, a dialog box will appear confirming this. O&O DiskRecovery is now removed from your system.


# Infos About Data Recovery

## Technical Limitations of Data Recovery Software

O&O DiskRecovery is software designed for the recovery of deleted data. Please note, however, that it may not be possible to restore all deleted data. If the areas where the deleted data is stored has already overwritten by new data, the restoration of data with O&O DiskRecovery is no longer possible. If some areas have been partly overwritten, some files may be incomplete possibly leading to errors.

Unlike O&O UnErase, O&O DiskRecovery can also restore data whose directory and structure have been deleted or overwritten. This can happen when a partition is formatted or new files are created. With the help of a special process, O&O DiskRecovery attempts to find and restore these data back into valid file formats.

Unfortunately, not all files can be recovered without error. For example, the highly fragmented files can be very difficult, if not impossible, to recover. In such a case, the regular use of a defragmentation tool such as O&O Defrag can not only help you avoid this problem, but also can strongly contribute to the improved performance of your system.

 **Note:**  
Please do not delete any data for fun or for test purposes without first making a back up copy. We strongly recommend that you regularly make back up copies of your important data and store them in a safe place.

## What To Do When Data Loss Occurs

When data are mistakenly deleted on your computer it is very important to do the following to maximize your chances of a successful data restoration. Should you have further questions, you can always contact our technical support team. Please note that we can only provide this support for registered users of the software according to their individual license agreements. However, in conjunction with our subsidiary O&O Services GmbH, our support staff would be more than happy to offer you fee-based assistance in rescuing your lost data.

The correct behavior when faced with the loss of important data can contribute greatly to your chances of a successful data restoration. It is important to understand that when data are deleted, they are simply reclassified on the hard disk or memory card as "free". This allows the computer to overwrite and therefore destroy those deleted data. Once a piece of data has been overwritten, it is no longer restorable through basic data rescue methods.

### How To Increase Your Chances of a Successful Data Recovery

- If possible, do not save anymore data onto the system after the data in question have been deleted.
- Close all applications without saving any data to the disk or other data storage media (if possible).
- Shut down the computer.

- Think calmly about how the data were deleted. Try not to panic and quickly restore the data in question. Reckless behavior can lead to even more data loss.
- If the data was deleted “normally”, they can be found in the Recycle Bin. Open the Recycle Bin and restore the files.
- If the data were really deleted then it is advised to use O&O DiskRecovery to restore them. If the drive has been formatted, it may be possible to use O&O FormatRecovery instead.
- If you only have one partition (such as “C:\”) it is advised that you download and install the software onto another computer. Then create an emergency disk with **O&O InstantDiskRecovery** on it. More details regarding this function can be found in the section entitled “O&O InstantDiskRecovery”.



**Note:**

If you own the CD version of O&O DiskRecovery, it is possible to run O&O InstantDiskRecovery directly from CD itself. To do this, select **O&O InstantDiskRecovery** from the CD's installation menu.

# Getting Started

## If Data Has Been Deleted Prior to Installing O&O DiskRecovery

1. Install O&O DiskRecovery onto a different computer than the one on which you would like to restore the data in question.
2. Create an emergency disk with the O&O InstantDiskRecovery Assistant.
3. Start O&O InstantDiskRecovery on the computer on which the data in question were deleted.
4. Follow the directions as described in the section entitled "Using O&O DiskRecovery in an Emergency".

## Preparing O&O DiskRecovery for an Emergency

1. Install O&O DiskRecovery onto the computer on which you would like to restore data should an emergency arise.
2. Register O&O DiskRecovery with the purchased license code. Without a valid license code it will not be possible to restore data with the software.
3. All necessary preparations are now complete. If an emergency does indeed occur, you now have a better chance of restoring lost data. To do so, please follow the instructions described in the section entitled "Using O&O DiskRecovery in an Emergency".

## Using O&O DiskRecovery in an Emergency

1. Connect the drive, from which you would like recover data, to your computer. It is necessary that your computer is running a compatible version of Windows. If this is not the case, please read the note below regarding the O&O RescueBox.
2. Start O&O DiskRecovery from the Start Menu. By default a shortcut to the software will be installed in its own folder **O&O DiskRecovery** in the program group **O&O Software**. Click on **O&O DiskRecovery** to open the program.
3. Select the drive on which you would like to recover data and confirm by clicking on **Next**.
4. Confirm the initial data recovery settings on the next page by click on **Next**. After the following page, the data recovery operation will begin.
5. After the scan for deleted data has been completed you may now select from the list of folders and files the deleted files you would like to restore.
6. Clicking **Next** will lead you to the selection of the target folder. In this folder your restored files will be saved. Please make sure that there is sufficient disk space on your system and the target folder is not located on the drive where you would like to recover the deleted data.
7. Clicking **Next** will now initiate the data recovery. After this is complete, you will be able to view a status report of all actions taken up to this point. You can now close O&O DiskRecovery.



### Regarding the O&O RescueBox and O&O BlueCon:

It is possible to run this software directly from the O&O RescueBox-Recovery CD O&O BlueCon CD, without any need for a functioning Windows operating system. More information on this can be found in the O&O RescueBox user's handbook/O&O BlueCon User's handbook or at [www.oo-software.com](http://www.oo-software.com)

## Controlling O&O DiskRecovery

The O&O DiskRecovery Assistant takes you step-by-step through the entire data recovery process. In order to use O&O DiskRecovery, it is necessary that you have access to the drive where you would like to recover data. It is also possible to start O&O DiskRecovery without prior installation. For more on this, please read the section entitled "O&O InstantDiskRecovery".

Every time you click **Next**, one step of the data recovery is completed. By clicking **Back** you can go back to the previous step. O&O DiskRecovery can be aborted and ended anytime. By selecting **Save Data Recovery**, you can save the current settings and continue the operation at another time.

## Saving a Data Recovery and Continuing It Later

At any time you can interrupt the data recovery operation and continue it at a later time. In the bottom-left-hand corner of the Assistant you will find a button entitled **Save Data Recovery**. This will open a dialog box that will allow you to save the current data recovery.

After the data recovery is successfully saved, it will be possible to load it after O&O DiskRecovery is restarted at a later time. More information on this can be found in the section entitled "Starting O&O DiskRecovery".

Please note that the save function is only possible when you have made changes to the default data recovery settings.

# Using O&O DiskRecovery

## Starting O&O DiskRecovery

As soon as O&O DiskRecovery starts, it is possible to begin a new data recovery session or continue one you have saved. Clicking **Next** will take you to the Drive Selection dialog box. O&O DiskRecovery may be **Cancelled** at any time.

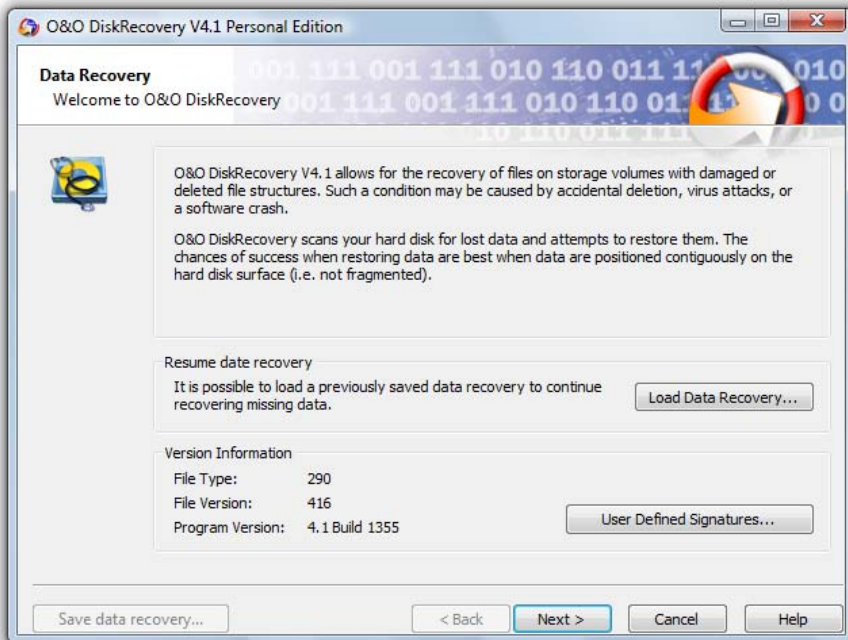
### Loading a Saved Data Recovery

- Select **Load Data Recovery** and select the data recovery file. Such a file generally has the extension DRD.
- The data recovery information will be loaded and you will then be able to continue with your saved settings.

If the data volume on which you would like to recover data is not present on your system, an error message will appear.

### User-Defined File Signatures

Some types of files are not supported by O&O DiskRecovery. However, if you would like to add your own file signature so that O&O DiskRecovery will detect such files during its scan, select **User-Defined Signature**. More on this can be found in the section entitled “Adding Your Own Signatures”.



O&O DiskRecovery Startup Dialog Box

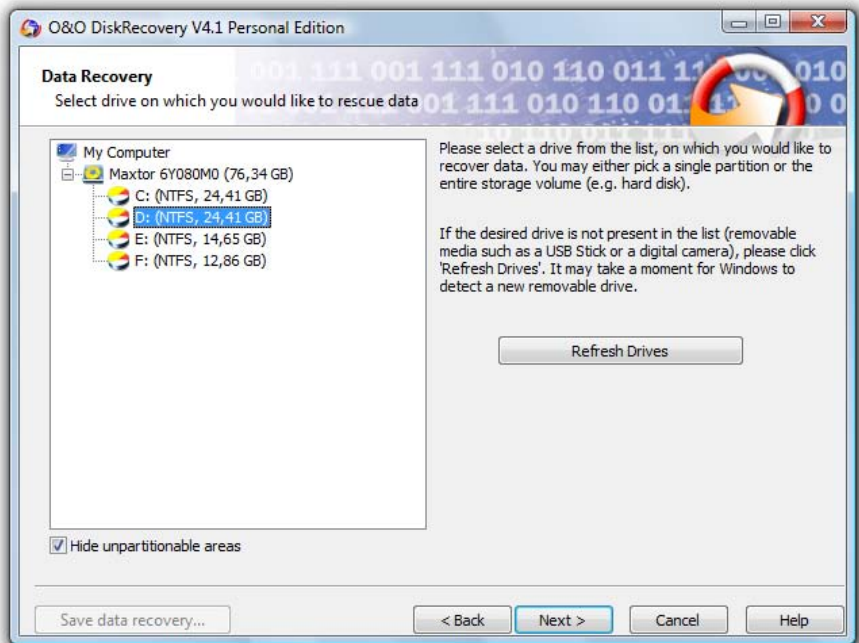
## Selecting a Drive

Select the drive where you would like to scan for deleted data. It is possible to select a partition (e.g. C: or D:) or an entire hard disk drive. In addition you can select any storage media, for example USB sticks and memory cards from digital cameras. Clicking **Next** will conclude the drive selection dialog.

By default, the unpartitionable areas of a hard drive, or those located past the partitioned areas of the disk, are hidden. To reverse this, unselect the option **Hide unpartitionable areas**.

Differing from unpartitionable areas, unpartitioned areas on the hard disk can also exist under some circumstances. Although these areas on the disk cannot be accessed by Windows, O&O DiskRecovery is able to scan these regions. These areas are listed in the list of partitions as RAW or "unpartitioned".

If you would like to add drives after O&O DiskRecovery has been loaded (e.g. USB stick or digital camera), click on **Update Drives**. The newly connected hardware will be loaded and displayed in the list of drives.



Selecting a Drive

## O&O DiskRecovery Scan Settings

After drive selection you will be able to define the settings that will have a huge effect on the precision and length of the scan. In addition you can lay down a minimum length for text files. If a device, such as a hard drive or USB stick, has been selected and not a partition, the options **O&O SmartScan** and **O&O RawScan** are supported and cannot be selected. However, the default settings are generally sufficient for most cases and therefore probably do not need to be changed.

### Maximum Scan Depth for Recovering Data (O&O DeepScan)

Activate this option when you are scanning for especially small files. Please note that the O&O DeepScan requires more time to be completed.

### Ignoring Existing Files (O&O SmartScan)

A common problem that occurs with data recovery is that not only deleted files are recovered. In addition, existing files are recovered which can mean tedious work for you when you have to filter through those files that already exist on your system. The O&O SmartScan takes over this job for you so that only deleted files are found and restored. This can greatly accelerate the data recovery process, depending on the settings.

Please note that this option is only available when scanning partitions and not entire devices.

### Leaving Out the File System During the Scan (O&O RawScan)

If the partition on which you would like to recover data has been formatted (possibly with another file system), O&O DiskRecovery can be triggered to not scan the file system. This can increase the duration of the scan.

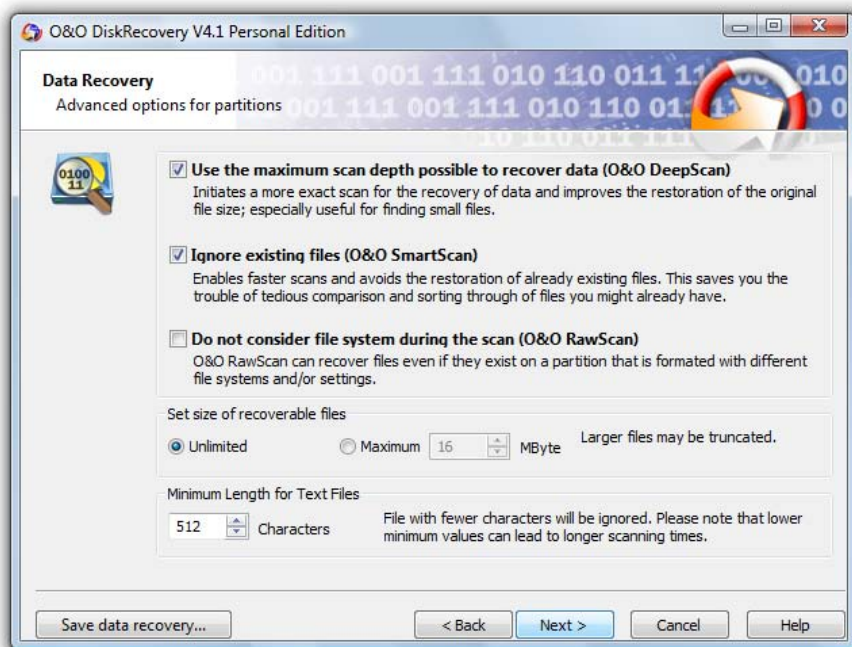
Please note that this option is only available when scanning partitions and not entire devices.

### Limiting the Scan to File of a Specific Size

This function limits the scanning sequence to notice only files smaller than a set number of Megabytes. This maximum value can be set anywhere between 1 and 1024 MB. By default, all recoverable files, regardless of their size, are scanned. Using this function will conserve system resources and possibly accelerate the entire scanning operation.

### Minimum Length for Texts Files

O&O DiskRecovery can recognize a number of different Text files (HTML, source Text files etc.). The default value of 512 characters means that all Text files that consist of 512 characters or less will not be picked-up by the scan. If you would like to set this value lower, you can do so here. Please note that the minimum value is 16 characters; the smaller the value, the longer the scan duration.



Defining the Scan Settings

## Additional Settings

It is possible to determine which types of files O&O DiskRecovery will scan for. By default all data types are considered. After the scan has been completed you will be able to select which files are to be restored. Because of this you may want to just leave the file type settings as they are. Clicking **Next** will initiate the data scan.

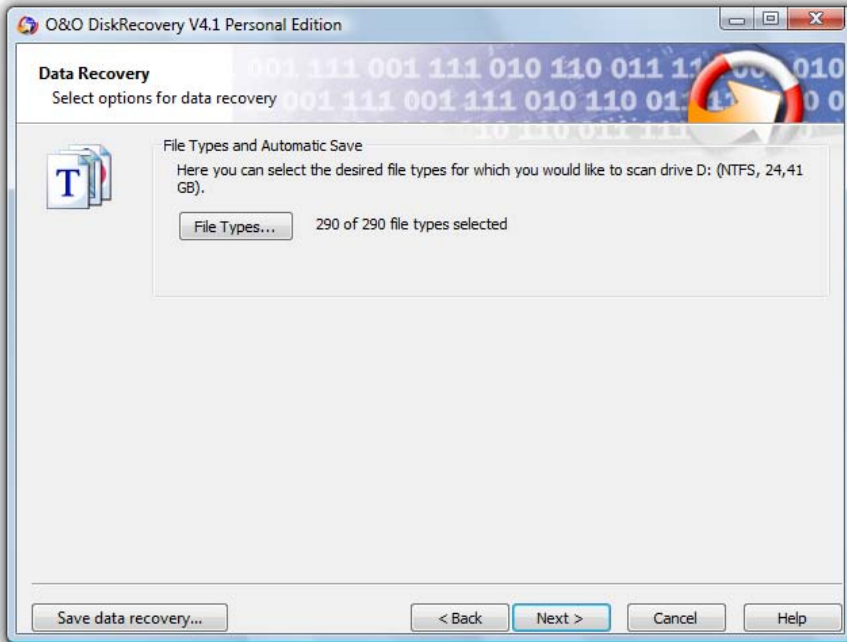
### File Types

Open the file type dialog box to define the types of file that will be considered during the scan. Please note that you must select at least one file type to continue with the scan. More information about this can be found in the section entitled "Selecting File Types to be Scanned".

### Automatically Saving Files After They Are Found

If you would like to execute an unsupervised scan, it is possible to instruct O&O DiskRecovery to save and restore all of the scan results automatically. This can save time. If you would like to select this option, your next step will be to define a target folder. Once this is completed, the scan will be initiated. More information on this can be found in the section entitled "Saving Files".

 **Note:**  
This function is not available in the trial version and Personal Edition of the software.



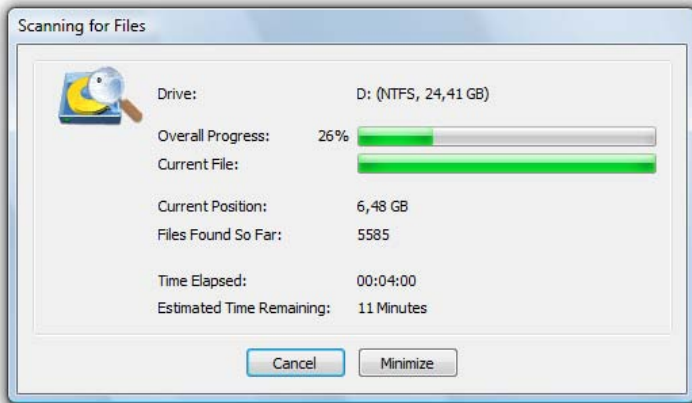
File Types and Options

## Running and Interrupting a Scan

During the scan you will receive information regarding the O&O DiskRecovery scan by way of a status dialog box. In it you will find the overall progress of the scan, the progress pertaining to a specific file, and the number of files found to this point.

The elapsed time, as well the estimated time remaining, can also be found here.

O&O DiskRecovery can be **Minimized** in to the System Tray. Pressing **Cancel** will interrupt the scan. When the scan is interrupted you will be returned to the previous page of the assistant where you will be given the option of resuming the scan or running it again.



Scan Progress Display

## Selection Files for Restoration

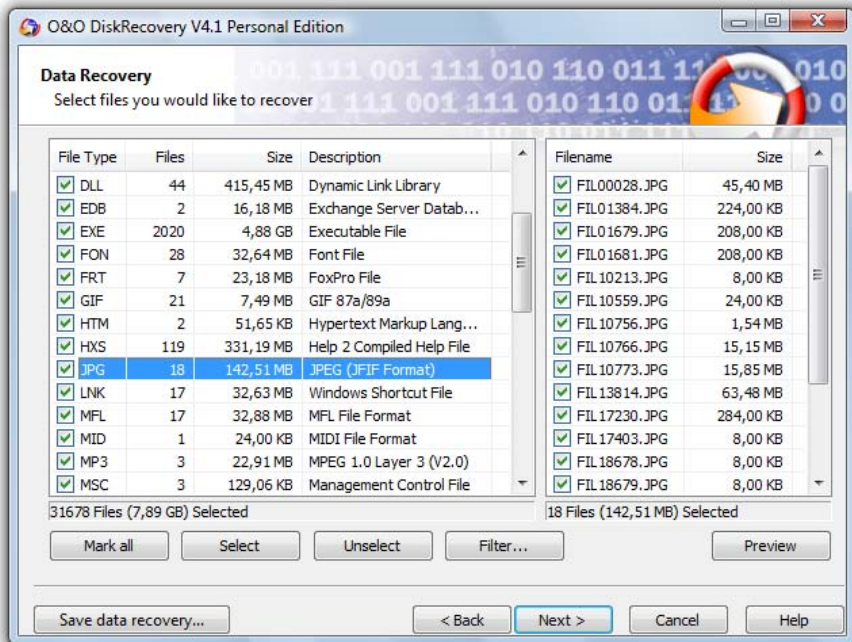
After the scan has been completed, the files found will be displayed in two lists; the list to the left displaying the types of files found, the one on the right showing the actual files of this type found. By selecting a specific file type on the left, the corresponding list on the right will change. Depending on which list is activated, the commands **Select All**, **Select** and **Unselect** can be used.

When your selections are made, click on **Next** to continue to the next step.



### Note:

In the Personal Edition the maximum number of files that may be restored in a single data recovery is 100. In both the Admin and Tech Editions of the software there is no limit to the number of files restored in a single data recovery.



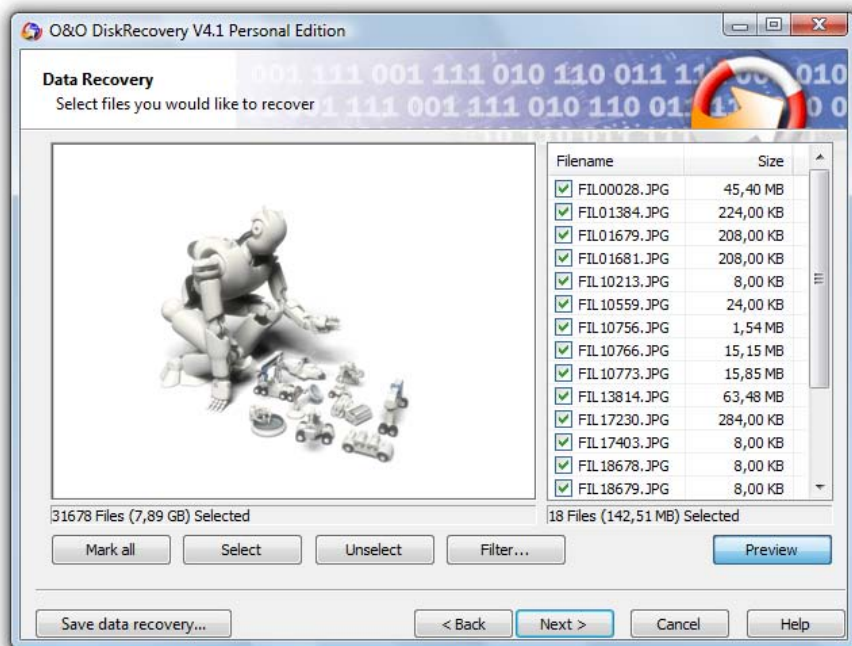
### Selecting Files

#### Preview

For many image and Text files, it is possible to view a preview before they are restored.

The preview must be activated. First select to the left a file type group and then click the **Preview** button. If the button is grayed-out, these types of files cannot be previewed.

With the preview function active, click on the file you would like to preview. The preview will appear in the space to the left of the file list.



### Preview (Image File)

To deactivate the preview function, simply click the **Preview** button one more time.



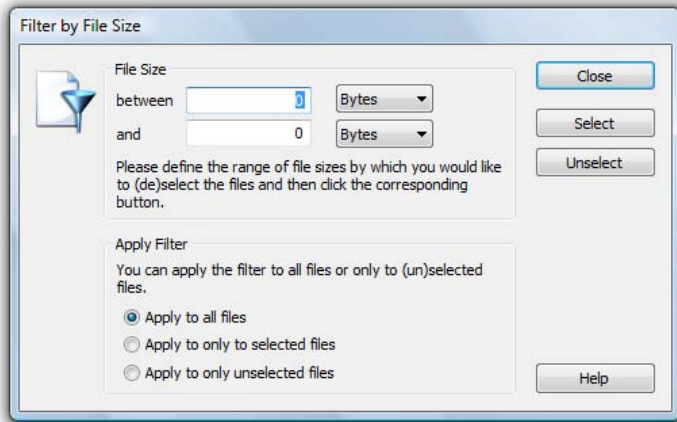
#### Note:

The fact that a preview is not available for some files does not rule out the chance for a successful and flawless restoration of those files. This function should not be seen as a way to judge the quality of a pending restoration, but rather as a means to make the file identification process easier.

#### Filter

With the Filter option it is possible to include or exclude specific files from the list depending on their size. To do so, enter the size range in which the desired files should fall. You can also stipulate whether the filter should consider all files, only those previously selected, or only those you previously left unselected.

The command **Select** highlights all corresponding files for restoration. **Unselect**, in contrast, removes those highlights.



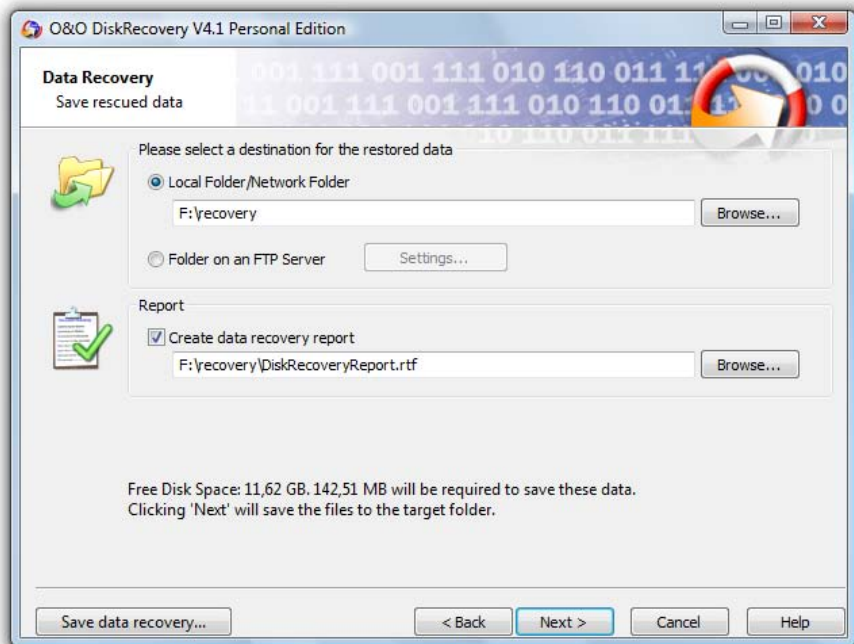
Applying a filter

## Selecting a Target Folder

To recover selected files you need to enter a saving location. By default your 'My Documents' folder is set, but any folder, including network folders, may be selected for this. O&O DiskRecovery automatically creates a subfolder into which the recovered files are saved. Because an individual subfolder is created for every file type recovered, it is advised that you select a target folder that is new or empty. In addition, it is possible to create a report regarding the completed data recovery.

Please note that you will not be able to save the recovered files onto the same partition where the deleted data was originally located. Also do not forget to make sure you have enough storage capacity on disk to facilitate the newly recovered files.

Click **Next** to initiate the recovery of data.



Target Folder and Report

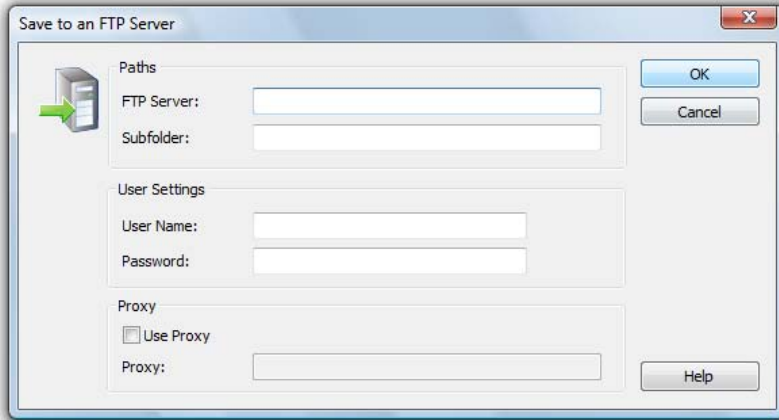
### Defining a FTP Server as Saving Location

If there is no room on the same computer being scanned for deleted data and there are no connected network drives, it is possible to save the recovered data onto a FTP server.

To do so you need to enter the following data:

- Address of the **FTP server** (DNS name or IP address)
- **Subdirectory**, into which the data are to be restored
- **Username** and **Password** to access the desired FTP server. This account must have write-access on the FTP server in question.
- If you would like to connect to the FTP server by way of a Proxy, then you can enter the **Proxy** here (DNS name or IP address)

Confirm your entries with **OK**.



### Saving Files to a FTP Server

#### Creating a Report

Activating this option will enable you to view a detailed report regarding the completed data recovery session. You can have this report saved to a different target folder as that in which the recovered files are to be saved. By default, the report will have the filename "DiskRecoveryReport.rtf".

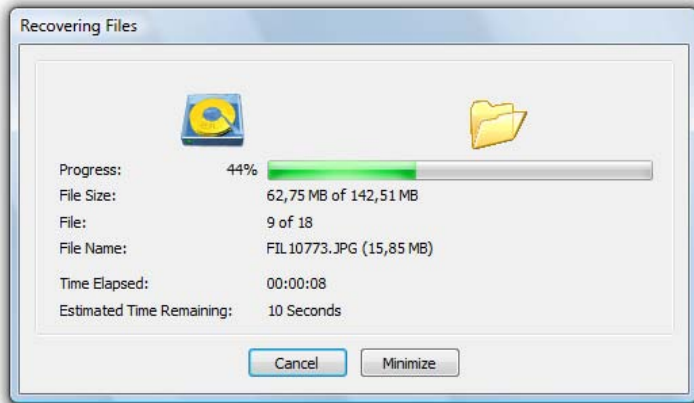
The reports are saved in Rich Text Format (RTF) and can be viewed and printed with the help of applications such as WordPad, Microsoft Word, or any other Text editing programs.

#### Saving Files

While the recovered files are being saved to their target folder, O&O DiskRecovery keeps you up-to-date by way of a convenient dialog box. Information, such as overall progress and the total size of the saved files, is displayed in real-time as the operation progresses.

The elapsed time, as well the estimated time remaining, can also be found here.

O&O DiskRecovery can be **Minimized** in to the System Tray. Pressing **Cancel** will interrupt the saving operation. When the operation is interrupted you will be returned to the previous page of the assistant where you will be given the option of changing the target directory and reselect the files to be recovered. Please note that all files that have already been successfully saved will be unselected so that you can continue to save files where you left off.

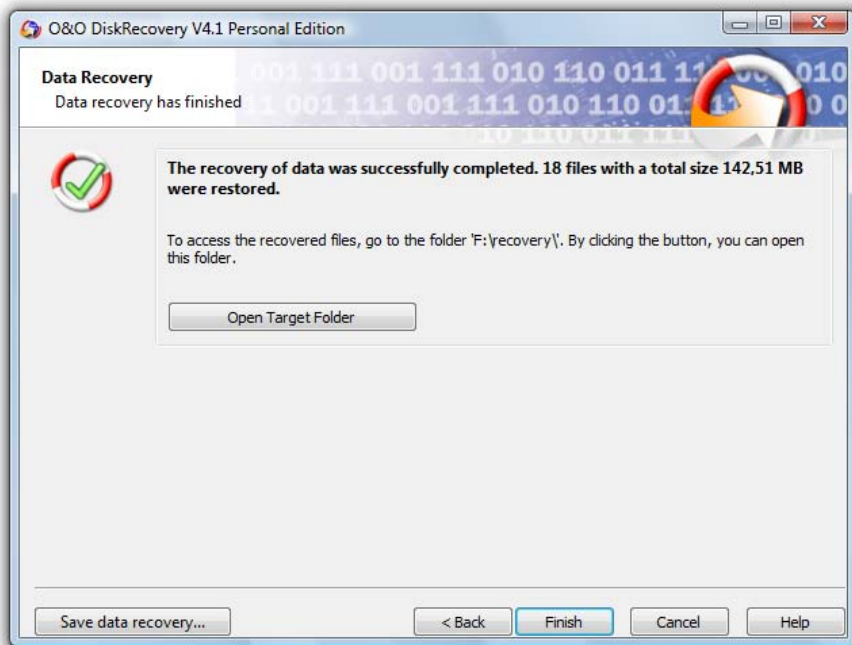


Data Recovery Progress

## Completing the Data Recovery

After the successful recovery of files is completed, a summary of the data recovery will appear. From here you can **Open Target Folder** and immediately access the restored files.

By clicking **Finish** O&O DiskRecovery will be closed.



Completion of Data Recovery

# File Types and Signatures

## Overview

O&O DiskRecovery 4 can recognize over 280 different versions of file types. A complete list of these file types can be found in the section entitled "List of Supported file types".

Moreover, you have the ability of adding your own signatures. O&O DiskRecovery can use these user-defined signatures for its scan.

If you notice an important file type is missing from the current list and should be included, please give us three examples of this file type with a short explanation and send them to support@oo-software.com. We will then incorporate this file type into the new version of O&O DiskRecovery. Please note that we are not liable for any data sent to us. If you have any questions regarding this, please feel free to contact our Technical Support.

## Adding Your Own Signatures

After starting O&O DiskRecovery you can open the dialog box to add your own **user-defined signature**.

After the dialog box appears, please enter the **File Extension** for the new signature (e.g. DOC for a Word document). In the **Short Description**, you may enter a small narrative regarding this file type.

The **Start Position** defines the offset of the signature calculated from the beginning of the file. For instance, if the signature is to begin from the third character, then enter a 3 here. Otherwise, enter 0 when the signature is to stand at the beginning of the file.

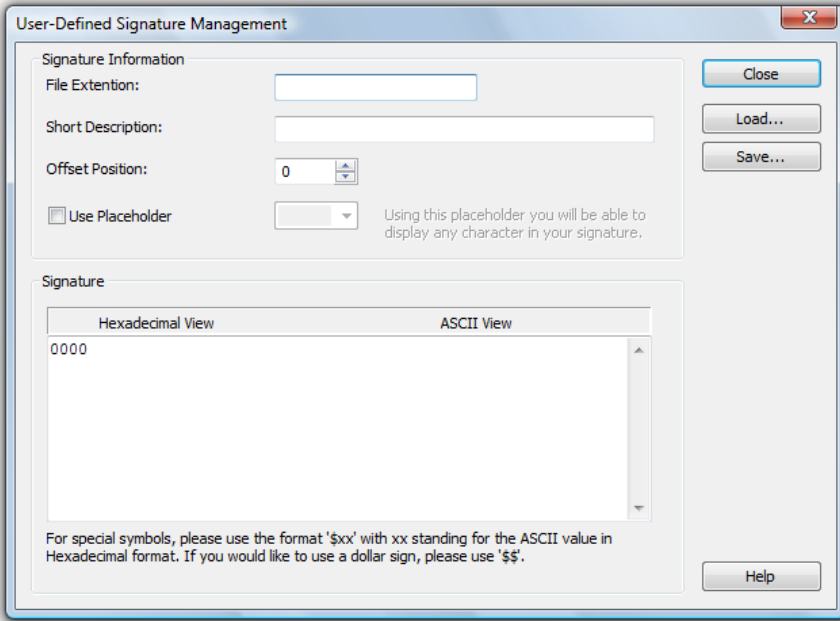
The use of **place holders** is also a possibility while defining a signature. A place holder stands for any user-defined character in the signature. To use a place holder, it is necessary for the option **Use Place Holders** be checked. Afterwards you can define "?", "\*", or any other character as your place holder.

In the field labeled **Signature** you can enter the distinct character chain that is used to identify the file type. This can be entered using any ASCII characters. If you would like to enter a special character that can not be expressed through normal Text, enter a dollar sign instead. Following the Dollar sign enter a two-digit Hex value in place of the character. For example, if you would like to add a line break (Carriage Return corresponding to ASCII Code 13), then you would have to enter '\$0D'. Entering a '\$\$' will produce an actual Dollar sign.

It is also possible to enter **Hexadecimal Values**. For non-displayable characters it is recommend using only Hexadecimal values.

After you have finished entering the signature, it is necessary that you save it. Please note that all user-defined signatures must be saved either to the O&O DiskRecovery program folder or to your 'My Documents' folder for them to be found and loaded when the program starts.

If you would like to change a signature already created and incorporated into O&O Disk-Recovery, simply **load** the desired signature and save it again with the desired changes.



Entering of User-Defined Signatures

## Automatically Loading Signatures

When O&O DiskRecovery opens, it automatically loads all user-defined signatures and adds them to its overall list of file types. Please note that all user-defined signatures must be located in either the O&O DiskRecovery program folder or in the 'My Documents' folder for the program to be able to successfully detect and load them.

If you have your own signature with an extension that either already exists in the master list of file signatures or has already been loaded in the past, it will not be loaded again and an error message will inform you of this.

## Selecting file types to be scanned

In the file type dialog box you can define which file type will be considered in the scan and will not.

With the Filter you can customize the display to only show specific file type groups. To do this, just adjust the column headings to meet your sorting needs.

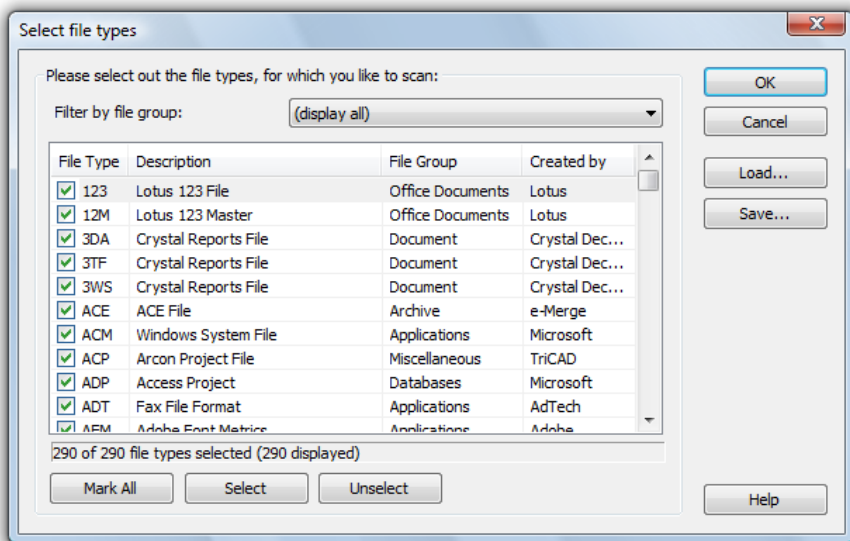
### Load and Save

In order to secure a specific group of file types for future scans, simply save this particular scheme. Later you can use the load function to change or use it again.

### Selecting File Types

O&O DiskRecovery scans for all of the highlighted file types. All unselected file types are hidden. Normally, though, you can select all file types to be considered for the scan and filter those you do not want to recover after the scan result have been compiled.

Please note that, in general, a smaller number of different file types usually deliver more meager scan results.



Box for Selecting File Types

## List of Supported File Types

File Ext.	Description	Manufacture	File Group
123	Lotus 123 File	Lotus	Office Documents
12M	Lotus 123 Master	Lotus	Office Documents
3DA	Crystal Reports File	Crystal Decisions	Documents
3TF	Crystal Reports File	Crystal Decisions	Documents
3WS	Crystal Reports File	Crystal Decisions	Documents
ACE	ACE File	e-Merge	Archive
ACM	Windows System File	Microsoft	Applications
ACP	Arcon Project File	TriCAD	Miscellaneous
ADP	Access Project	Microsoft	Databases
ADT	Fax File Format	AdTech	Applications
AFM	Adobe Font Metrics	Adobe	Applications
AI	Adobe Illustrator Format	Adobe	Graphics
AIF	QuickTime File	Apple	Movies
AM	Sound File Format		Sounds
ANI	Animated Pointer	Microsoft	Graphics
API	Acrobat Plug-In	Adobe	Applications
ARJ	ARJ Archive Format	ARC Software Inc.	Archive
ASF	Advanced Streaming Format	Microsoft	Movies
ASMX	ASP.NET Webservice Source	Microsoft	Applications
AU	Sound Player File	Sun Microsystems	Sounds
AVI	Audio Video Interlaced File	Microsoft	Movies

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
AW	Answer Wizard File	Microsoft	Applications
AX	Windows System File	Microsoft	Applications
BIN	Binary File Format	Microsoft	Applications
BKF	WindowsXP Backup Utility Backup Set	Microsoft	Applications
BMP*	Windows Bitmap	Microsoft	Graphics
BOO	FrameMaker Format	Adobe	Graphics
BQY	BrioQuery File	Brio Technology	Databases
BRK	BRK File Format	Adobe	General
BTR	Btrieve Database File	Pervasive Software	Databases
CAB	Windows Cabinet Archive	Microsoft	Archive
CAL	CAL File Format	General	
CAP	Concept16 Database File	Vectorsoft	Databases
CDR	Corel Draw 8.0/9.0/10.0/11.0	Corel	Graphics
CDT	Corel Draw Template File	Corel	Graphics
CHM	Compiled Help File Format	Microsoft	Applications
CHQ	Help Combined Full-Texts Search File	Microsoft	Applications
CIFF	CIFF Format	Canon	Digital Camera RAW-Format
CLA	Java Class File	Sun Microsystems	Documents
CLP	Windows Clipboard Format	Microsoft	Graphics

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
CLS	JavaScript Class	Sun	Documents
CLY	ACT! Layout	Best Software CRM Division	Documents
CMX	Corel Clipart	Corel	Graphics
CNT*	Windows Help File Content	Microsoft	Applications
CNV	Texts Converter File	Microsoft	Digital Camera
CONT	Contax Raw Format	Contax	RAW-Format
CPI	International Code Page	Microsoft	Applications
CPL	Control Panel File	Microsoft	Applications
CPP	C/C++ Source Code File		Text
CPT	Photo-Paint Image	Corel	Graphics
CTM	CTM File Format	CTM Development	General
CUE	CUE File Format		General
CUR	Cursor File Format	Microsoft	Graphics
DB	Microsoft Picture Catalog	Microsoft	Graphics
DBX	Outlook Express E-mail Folder	Microsoft	Mail
DCM	DICOM Medical Imaging Data	Microsoft	Graphics
DCR	Shockwave Director File	Macromedia	Graphics
DIB	Device-Independent Bitmap graphics	Microsoft	Graphics
DIT	Windows Active Directory Schema	Microsoft	Applications

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
DLL	Dynamic Link Library	Microsoft	Applications
DOC	Word 6.0/97/2000/ XP/2003	Microsoft	Office Documents
DOT	Word Template	Microsoft	Office Documents
DRD	O&O DiskRecovery Data File	O&O Software	Applications
DRF	O&O DiskRecovery Filetype File	O&O Software	Applications
DRS	O&O DiskRecovery Signature File	O&O Software	Applications
DRV	Windows System Driver	Microsoft	Applications
DRW	Micrografx Designer Format	Micrografx	Graphics
DSC	Rollei Raw Format	Rollei	Digital Camera RAW- Format
DSG	EOD File	Sierra	Miscellaneous
DSN	ODBC Datasource File	Microsoft	Databases
DUN	DUN File Format	Microsoft	Applications
DWG	AutoCAD File Format	Autodesk	Graphics
DXR	Protected Movie File	Macromedia	Movies
ECF*	Extension Configuration File	Microsoft	Applications
EDB	Exchange Server Data- base	Microsoft	Databases
ELM	FrontPage Theme-Pack File	Microsoft	Internet/Web
EMF	Windows Enhanced Meta File	Microsoft	Graphics

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
EPS	Encapsulated Postscript	Adobe	Documents
ETP	Visual Studio .NET Enterprise Template Project	Microsoft	Documents
EXE	Executable File	Microsoft	Applications
FAE	FAE File Format	Microsoft	General
FDB	Firebird Database File	Firebird	Databases
FH8	Freehand File Format	Macromedia	Graphics
FLA	Flash Movie Authoring File	Macromedia	Movies
FLC	Autodesk Animator File	Autodesk	Graphics
FLT	FLT File Format	Autodesk	General
FMT	FMT File Format	Microsoft	Office Documents
FON	Font File	Microsoft	Applications
FOV	Foveon Raw Format	Foveon	Digital Camera RAW-Format
FP5	Filemaker Pro	Filemaker Inc.	Databases
FPX	FlashPix Format	Kodak	Graphics
FRT	FoxPro File	Microsoft	Databases
FUJI	FujiMovies Raw Format	FujiMovies	Digital Camera RAW-Format
GIF*	GIF 87a/89a	Compuserve	Graphics
GLY	ACT! Layout	Best Software CRM Division	Applications
GMT	ACT! Email Template	Best Software CRM Division	Applications

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
GZ	gzip Archive (Unix)	gzip Org	Archive
HHC	Help File Content	Microsoft	Applications
HHP	Help Project File	Microsoft	Applications
HLP	Windows Help File	Microsoft	Applications
HLX	ATI Radeon Video Driver Support File	ATI	Applications
HQX	BinHex Compressed File	Apple	Applications
HRB	HRB File		Miscellaneous
HTM	HyperTexts Markup Language	World Wide Web Consortium	Internet/Web
HXI	Help 2 Compiled Help File	Microsoft	Applications
HXK	Help 2 Keyword Index	Microsoft	Applications
HXS	Help 2 Compiled Help File	Microsoft	Applications
HXW	HXW File Format	Microsoft	General
ICC	ICC Profile Format File		Applications
ICM	Image Color Matching File	Apple	Applications
ICO*	Windows Icon File	Microsoft	Graphics
IFF	Deluxe Paint Image	Electronic Arts	Graphics
IME	Global Input Method Editor	Microsoft	Applications
IMG	GEM Paint	Digital Research, Inc.	Graphics
IND	Full-Texts Search Index File	Microsoft	Applications

File Ext.	Description	Manufacture	File Group
INDD	InDesign	Adobe	Graphics
ISU	Uninstall Script File	Microsoft	Applications
ITS	International Translation File	Microsoft	Applications
JP2*	JPEG 2000 File	Joint Photographic Experts Group	Graphics
JPG*	JPEG (EXIF Format)	Joint Photographic Experts Group	Graphics
JPG*	JPEG (JFIF Format)	Joint Photographic Experts Group	Graphics
JPO	unknown		Miscellaneous
KRYPTER	Krypter 2000	Krypter	Archive
LBL	Label file - dBASE IV/ Clipper 5/dBFAST	Ashton Tate	Applications
LBM	DeluxePaint Bitmap	Electronic Arts	Graphics
LDF	SQL Server Transaction Log File	Microsoft	Databases
LIB	Static Link Library	Microsoft	Applications
LNK	Windows Shortcut File	Microsoft	Applications
LWP	Lotus WordPro File	Lotus	Office Documents
LXA	Office Speech Lexicon File	Microsoft	Applications
LZH	SFX Archiver Format	APN Computing	Archive
M4A	MPEG-4 Audio Layer	Moving Pictures Experts Group	Sound

\*Preview available

File Ext.	Description	Manufacture	File Group
MB	Paradox Database	Borland	Databases
MCD	MathCad File	MathSoft	Documents
MDB	Access 97/2000/XP/2003	Microsoft	Databases
MDF	SQL Server Master Data- base File	Microsoft	Databases
MDZ	Access Wizard Template	Microsoft	Office Documents
MFL	MFL File Format	Mozilla	General
MID	MIDI File Format	Microsoft	Sound
MINO	Minolta Raw Format	Minolta	Digital Camera RAW-Format
MMAS	MMAS File Format		General
MMAT	MMAT File Format		General
MMMP	MMMP File Format		General
MOD	CAD File	Dassault Systèmes	Graphics
MOV	Quicktime Movie Format	Apple	Movies
MP3	MPEG 1.0 Layer 3 (V2.0)	Moving Pictures Experts Group	Sound
MPE	Media Player Format	Microsoft	Movies
MPG	MPEG 1 Video	Moving Pictures Experts Group	Movies
MPT	Project Template File	Microsoft	Office Documents
MSC	Management Control File	Microsoft	Applications
MSI	Microsoft Installer	Microsoft	Archive
MSM	Windows Installer Merge Module	Microsoft	Applications

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
MSP	Microsoft Paint	Microsoft	Graphics
NCR	NCR Image	NCR	Graphics
NSF	Lotus Notes Database File	Lotus	Databases
NTF	Lotus Notes Template File	Lotus	Databases
O2C	O2C File	mb Software AG	Miscellaneous
OCX	ActiveX Control File	Microsoft	Applications
OEB	Outlook Express Database File	Microsoft	Mail
ONE	OneNote 2003	Microsoft	Office Documents
OPA	OPA File Format	Psion	General
PAL	Palette Format	Microsoft	Graphics
PBM	Unix Portable Bitmap Graphic	Free Software Foundation	Graphics
PCX*	PCX File Format	Zsoft	Graphics
PDB	Visual C++ Program Database File	Microsoft	Applications
PDF	Portable Document Format	Adobe	Documents
PFB	Font File Format	Adobe	Applications
PGM	Portable Graymap Graphic	Graphics	
PIC	PC Paint	IBM	Graphics
PIP	Office Personalized Menu and Toolbar	Microsoft	Applications
PMD	PageMaker File	Adobe	Documents

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
PNF	Precompiled Setup File Format	Microsoft	Applications
PNG*	Portable Network Graphics	Free Software Foundation	Graphics
POC	POC File Format	Apple	General
POL	Windows Policy File	Microsoft	Applications
POT	PowerPoint Template	Microsoft	Office Documents
PPD	Printer Description File	Adobe	Applications
PPM	PBM Portable Pixelmap Graphic	Free Software Foundation	Graphics
PPR	PowerPlay OLAP File	Cognos	Databases
PPT	PowerPoint 4.0/97/2000/XP/2003	Microsoft	Office Documents
PRJ	PRJ File		Miscellaneous
PRT	Schedule+ Print File	Microsoft	Applications
PRZ	Freelance Graphics File	Lotus	Office Documents
PS	Postscript	Adobe	Documents
PSD	Photoshop Graphic	Adobe	Graphics
PSP*	Paint Shop Pro Graphic	Jasc Software, Inc.	Graphics
PST	Outlook 97/98/2000/2002/2003	Microsoft	Mail
PUB	Microsoft Publisher Document	Microsoft	Office Documents
PXN	Fotoman Raw Format	Logitech	Digital Camera RAW-Format
PYC	Python Compiler Script		Documents

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
PYD	Python Dynamic Module	Bytecode	Documents
PYI	unknown	Bytecode	Miscellaneous
QBW	Quickbooks Data File	Intuit	Databases
QXD	QuarkXpress	Quark	Graphics
QXP	QuarkXpress Project	Quark	Documents
RAR	RAR Archive Format	Rarlabs	Archive
RAS	Sun Raster Image	Sun Microsystems	Graphics
RAW	RAW RGB 24-bit Graphic	Borland	Graphics
RDF	RDF File Format	Microsoft	General
REG*	Windows RegEdit File	Best Software CRM Division	Applications
REP	ACT! Report Template	Microsoft	Applications
RESX	NET XML Resource Template	Silicon Graphics	Documents
RGB	Silicon Graphics RGB Bit- map	Silicon Graphics	Graphics
RGS	RGS File Format	Microsoft	General
RLE	Run Length Encoded Bitmap		Graphics
RLL	SQL Server Resource Library	Microsoft	Databases
RM	RealPlayer File	RealNetworks	Sounds
RMI	MIDI Sequence File	Microsoft	Sounds
RTD	Render File	Ragtime	Graphics

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
RTF	Rich Text Format		Documents
RTM	RTM File Format		Documents
SCR	Windows Screensaver	Microsoft	Applications
SCT	SciTex Continuous Tone	Kodak	Graphics
SDB	Windows Compatibility Solution Database	Microsoft	Applications
SDY	Starmoney File	Starmoney	Documents
SFL	SFL File Format	Intellifont	General
SKF	AutoSketch File	Autodesk	Graphics
SLN*	Visual Studio .NET Solution	Microsoft	Documents
SNK	SNK File Format	Microsoft	General
SOR	SnapShot File	Microsoft	Archive
STY	STY File Format	Microsoft	General
SUO	Visual Studio Solution User Options	Microsoft	Documents
SWF	Shockwave Flash File	Macromedia	Movies
SXC	OpenOffice Spreadsheet	OpenOffice.org	Office Documents
SXD	OpenOffice Drawing	OpenOffice.org	Office Documents
SXI	OpenOffice Presentation	OpenOffice.org	Office Documents
SXW	OpenOffice Texts Document	OpenOffice.org	Office Documents
SYS	Windows System File	Microsoft	Applications
TAR	TAR Archive	Free Software Foundation	Archive

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
TGA*	Truevision Targa Graphic		Graphics
TIF*	Tagged Image File Format	Adobe	Graphics
TOC	Eudora File	Qualcomm	Documents
TPL	ACT! Document Template	Best Software CRM Division	Applications
TSP	TSP File Format	Microsoft	General
TTF	TrueType Font	Microsoft	Applications
TXT	Texts File		Text
TXT	UTF-8 Texts File		Text
TXT	Unicode Texts File		Text
TXT	Unicode Texts File (Big Endian)		Text
UPP	UPP File Format		General
USER	USER File Format		General
VB*	Visual Basic File	Microsoft	Applications
VBP	Visual Basic Project	Microsoft	Documents
VMC	Virtual PC Virtual Machine	Microsoft	Applications
VMDK	VMware Virtual Disk File	VMware	Applications
VMX	VMware Image File	VMware	Applications
VOB	DVD Video Movie File	Moving Pictures Experts Group	Graphics
VRD	Visio Resource File	Microsoft	Office Documents
VSD	Microsoft Visio Document	Microsoft	Office Documents

\*Preview available

<b>File Ext.</b>	<b>Description</b>	<b>Manufacture</b>	<b>File Group</b>
VSS	Visio Stencil	Microsoft	Office Documents
VST	Visio Template	Microsoft	Office Documents
VSZ*	Visual Studio Extension	Microsoft	Applications
WAB	Outlook Address Book	Microsoft	Mail
WAV	Windows Audio	Microsoft	Sounds
WBMP	Wireless Bitmap File Format		Graphics
WFA	Symantec WinFax PRO Document	Symantec	Documents
WID	WID File Format	Ventura	General
WIM	WIM File Format	Microsoft	General
WIZ	Word Wizard File	Microsoft	Applications
WK3	Lotus 123 File (V3.0)	Lotus	Office Documents
WK4	Lotus 123 File (V4.0)	Lotus	Office Documents
WMA	Windows Media Audio File	Microsoft	Sounds
WMF*	Windows Metafile Format	Microsoft	Graphics
WMV	Windows Audio/Movie File	Microsoft	Movies
WPD	WordPerfect Document	Corel	Office Documents
WPG	WordPerfect Bitmap/ Vector	Corel	Graphics
WPL	Windows Media Player Playlist	Microsoft	Applications
WRI	Windows Write File	Microsoft	Documents

File Ext.	Description	Manufacture	File Group
XBM	X Bitmap Graphic		Graphics
XLA	Excel Add-in	Microsoft	Applications
XLS	Excel 5.0/97/2000/ XP/2003	Microsoft	Office Documents
XLT	Excel Template	Microsoft	Office Documents
XML*	XML File	World Wide Web Consortium	Internet/Web
XPG	XPG File Format		General
XPM*	X Pixmap Graphic		Graphics
XPT	XPT File Format		General
XSN	XSN File Format		General
XWD	XWD File Format	Microsoft	General
ZIC	unknown		Miscellaneous
ZIP	ZIP Archive	Winzip	Archive
ZOO	ZOO 2.00/2.10		Archive

\*Preview available

The company and product names mentioned in the table are brands or trademarks of their corresponding bearers.

# Data Scan and Recovery Optimization

## Data Scan Settings

With O&O DiskRecovery you have a lot of control over the speed and precision of the program's operations. The more exact you tailor the scan settings, the better the results of your data recovery will be. Please note that a complete and in-depth scan can take some time. It is possible, however, for a scan to be run completely without any user interaction. This can spare you time-consuming interaction with the computer while the scan is being run.

To start out, we recommend activating O&O SmartScan and O&O DeepScan. If this does not suffice in gathering the desired results, activate O&O RawScan and repeat the scan.

You can repeat the scan as many times as you would like with as many different settings as you would like. Because O&O DiskRecovery is only reading the storage media, there is no danger of data loss occurring.

## Quicker Scanning with O&O SmartScan

A common problem that occurs with data recovery is that not only deleted files are recovered. In addition, existing files are recovered which can mean tedious work for you when you have to filter through those files that already exist on your system.

With the one-of-a-kind O&O SmartScan you can hide existing files so that only deleted files are found and restored. This can greatly accelerate the data recovery process, depending on the settings.



**Note:**

If you have selected a device (hard drive, USB stick etc.) and not a partition, then an **O&O SmartScan** is not available as a scan option.

## More Precise Scanning with O&O DeepScan and O&O RawScan


Often very small files are not recognized and restored by data recovery programs. Moreover, those files that are found are sometimes restored as much larger files. This can lead to errors in the file's operation. This not only increases how much storage capacity is consumed, but can also lead to undesired results.

### O&O DeepScan

The O&O DeepScan technology scans for all files located on your storage media with a special emphasis on finding especially small files. O&O DiskRecovery also tries to identify the correct size of the files so that wasted disk space and errors can be avoided.

## O&O RawScan

With O&O RawScan you can find and restore files on a partition that has been formatted. If a partition on which you would like to restore deleted data has been reformatted with a new file system (e.g. FAT before and now NTFS), then you can direct O&O DiskRecovery with this option to not consider the file system in its scan. This enables the recovery of data on a system-wide level and therefore offers the more precise possibility for data recovery.

 **Note:**  
If you have selected a device (hard drive, USB stick etc.) and not a partition, then an **O&O RawScan** is not available as a scan option.

## Defining a Minimum Length for Texts Files

O&O DiskRecovery can recognize a number of different Text files (HTML, source Text files etc.). The default value of 512 characters means that all Text files that consist of 512 characters or less will not be picked-up by the scan. If you would like to set this value lower, you can do so here. Please note that the minimum value is 16 characters; the smaller the value, the longer the scan duration.

# Starting Without Prior Installation

## O&O InstantDiskRecovery

If you would like to restore mistakenly deleted files, you should try to avoid, as much as possible, writing to the affected disk drive. This can overwrite data preventing them from being recovered at all. It is for this reason alone that we recommend the installation of O&O DiskRecovery before a problem occurs.

However, should an emergency occur before O&O DiskRecovery is installed on your system, an additional feature, O&O InstantDiskRecovery, offers the possibility of running O&O DiskRecovery securely by creating an O&O InstantDiskRecovery disk without having to run the installation program.



### Note:

If you possess the CD version of O&O DiskRecovery, it is possible to run O&O InstantDiskRecovery directly from CD itself. To do this, select **O&O InstantDiskRecovery** from the CD's installation menu.

## License to Use O&O InstantDiskRecovery


In purchasing the license for O&O DiskRecovery, you also purchased a license for O&O InstantDiskRecovery. O&O InstantDiskRecovery is basically an “emergency” version of O&O DiskRecovery that can be used on both the computer where O&O DiskRecovery is installed as well as an additional computer where the software is not installed.

Because a single license may only be used on one computer, you will be required to do the following:

- Install O&O DiskRecovery on any computer. **Do not** enter the license code to unlock the full version of the software. Instead, use the test version.
- Start the O&O InstantDiskRecovery Assistant from the Start Menu. Follow the on-screen directions to create an emergency disk.
- Open O&O DiskRecovery from the emergency disk on the computer on which you would like to restore one or more deleted file(s).
- Enter the license code for O&O DiskRecovery. This license now exclusively belongs to this computer!

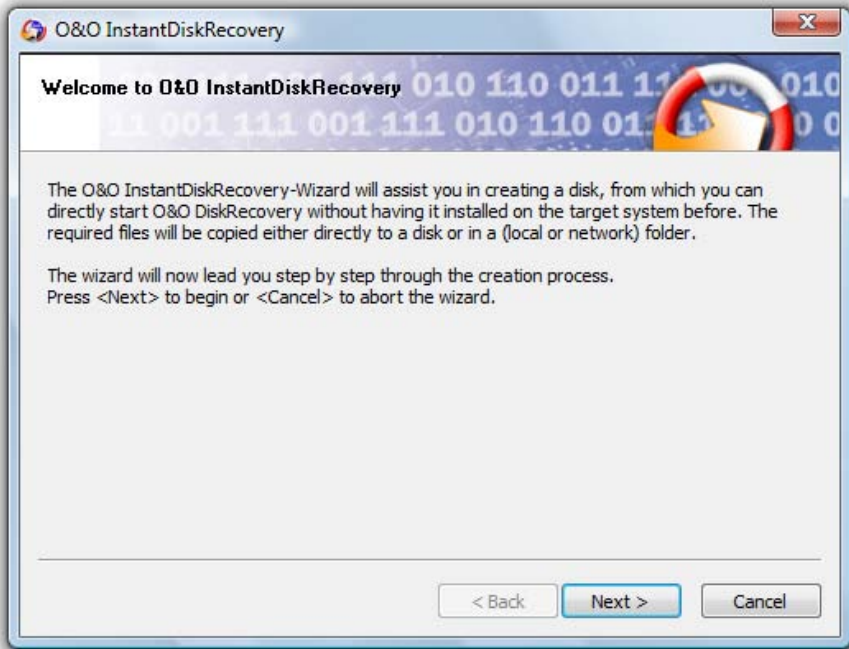
Once the data restoration has completed, you now can install the full version of O&O DiskRecovery onto this computer. Please note that using this software is not allowed on another computer and would be against the license agreement. If you would like to use O&O DiskRecovery on multiple computers, it is possible to purchase a multi-user license. Our Sales team would be more than happy to assist with this free of charge and obligation.

## Creating an Emergency Disk

 **Note:**

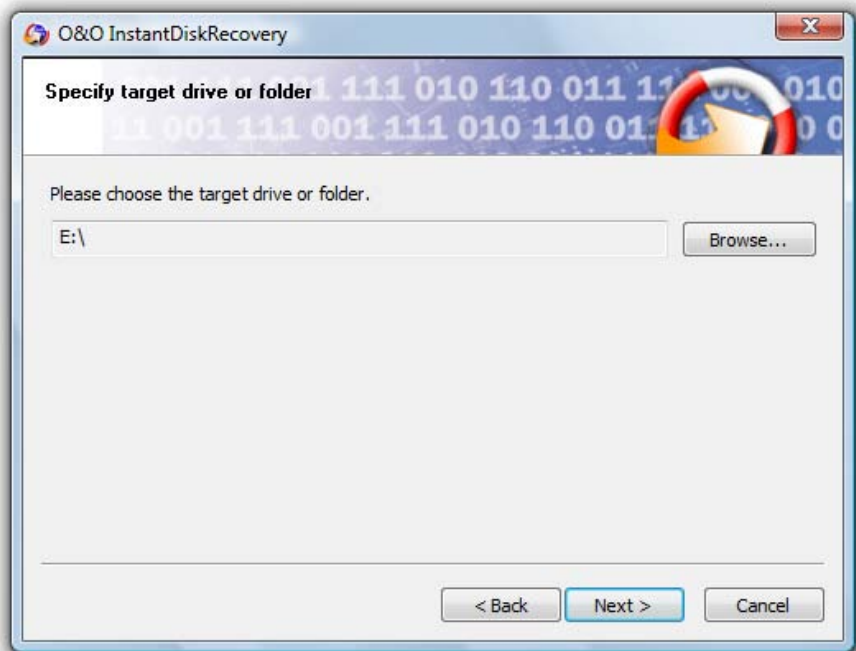
An emergency disk can be made on any removable storage media recognized by Windows. Necessary is that the selected media have at least a 2 MB capacity. Some possibilities could be an USB Stick, an external hard disk, a memory card, etc. A standard floppy disk (1.44MB) does not have sufficient storage space.

To create an O&O InstantDiskRecovery disk, open the O&O InstantDiskRecovery Assistant through the heading in the Start Menu. Then follow the on-screen direction of the Assistant.



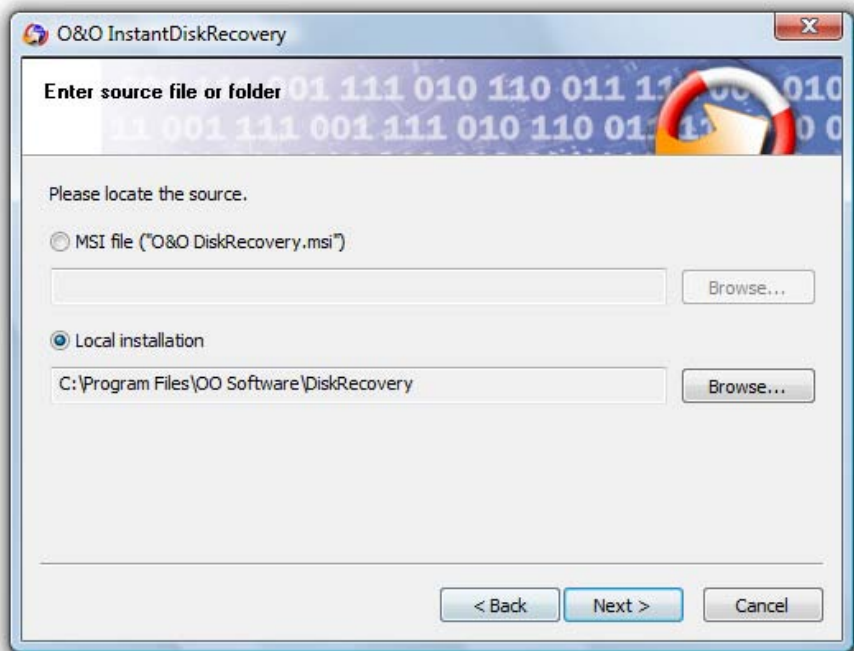
O&O InstantDiskRecovery Assistant

Next you need to enter a target save location where you would like to save this data. This can be a drive or a folder (local or on the network), Click **Browse** to search for a location.



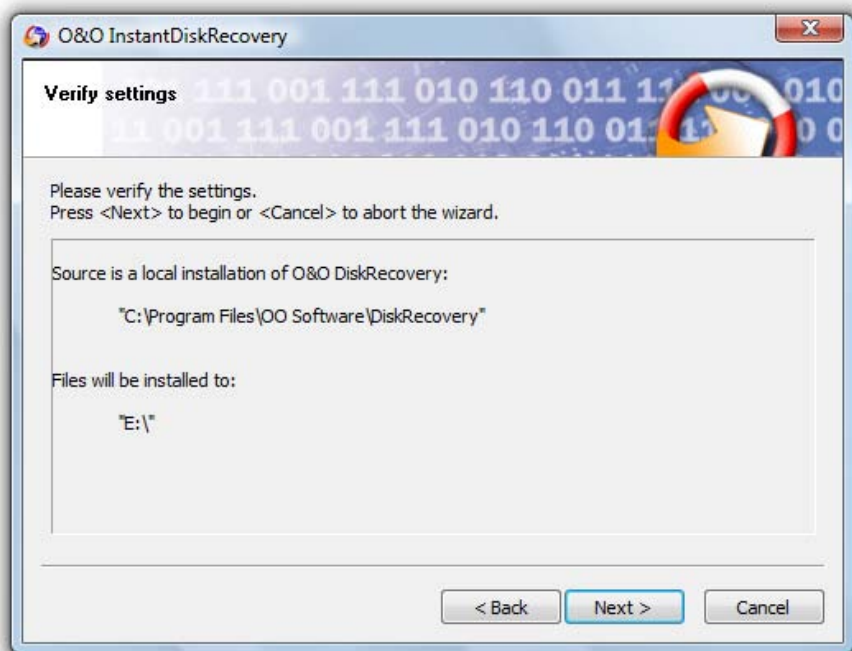
Selecting a Target Drive and Folder

Finally, select the file source. Here you have the possibility of entering either the O&O DiskRecovery installation folder or the installation file "O&O DiskRecovery.msi" itself.



Selecting a Source Folder for O&O DiskRecovery

Double-check your desired settings and, when instructed to do so, insert your selected storage media into the corresponding drive (where applicable), and initiate the copying procedure. After the operation is complete, you will be able to use O&O InstantDiskRecovery.



### Copying Data to Target Drive



#### Tip:

It is possible to select a network drive or an USB stick as the target folder as long as the computer on which you would like to use O&O InstantDiskRecovery can access these drives.

## Starting and Using O&O InstantDiskRecovery

Insert the created disk into the drive on the target computer, or open the folder into which you used the Assistant to create the O&O InstantDiskRecovery file. In the folder, you will find the file **OODSKREC.EXE**. Double-click this application. The O&O DiskRecovery registration dialog box will appear. Enter your license information and continue.

**Please note:** The license will not be saved onto the computer. If this were the case, important data could be overwritten. Because of this, the license information must be entered every time the program is run.

After registration is completed, the Main View from O&O DiskRecovery will appear. You can now utilize all of the functions O&O DiskRecovery has to offer. More information about this can be found in the section entitled "Using O&O DiskRecovery".

# Support and Contact

## Technical Support

To receive more information about O&O DiskRecovery, please visit our website, [www.oo-software.com](http://www.oo-software.com), and get the latest information about product developments and support. Also included on our website are regularly updated FAQs and Knowledge Bases that offer the most common problems and questions regarding our products.

All registered customers receive installation and product support free of charge for the first 90 days after registration. When contacting our support department, please do not forget to have your registration code ready.

In addition, it may be helpful to read our frequently asked questions (FAQ) section of our website before you contact our support department. It is always possible that your specific question or problem may have already been addressed.

## Authorized Resellers

For answers to all questions regarding the licensing and purchase of our software products, our authorized reseller partners in over 30 countries stand ready to assist you. Their names and addresses may be found at our website under the 'Purchase' heading. We would also be more than happy to assist you in finding the partner closest to you.

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# End-User-License Agreement

## IMPORTANT – PLEASE READ CAREFULLY

This end user license agreement is a legally binding contract between yourself (as a natural or a legal person) and the company O&O Software GmbH (O&O) for the software product named. By installing the software product, you declare your agreement with all conditions of the license agreement.

If you do not agree with the conditions of the license agreement, you are not entitled to install or use the software product. Should this be the case, you can return the software product along with a copy of the invoice or receipt to the distributor from whom the product was purchased in exchange for a full refund.

The software product is protected by copyright laws and international copyright contracts as well as other laws and agreements concerning intellectual property.

### 1. Subject of the contract

The subject of this contract is the computer program, the description thereof and the user manual as well as any other accompanying written material. This will henceforth also be referred to as "software".

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For the duration of this contract, O&O grants you the simple, non-exclusive and personal right (henceforth referred to as "license") to use a copy of the software on a single computer. Repeated and deliberate installation, use, and subsequent uninstallation on various computers (floating license) is prohibited.

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(a) O&O DiskRecovery 4 Personal Edition

You are authorized to install and use the software product on only one computer. Other limitations may apply in the software itself. Please consult the software documentation for more information on these limitations.

(b) O&O DiskRecovery 4 Admin Edition

You are authorized to install and use the software product on all computers a) in the possession of the company (legal person or natural person(s) in the case of corporations) owning the license and b) all located at a single site. This license is bound to a single natural person and is non-transferable, unless the transfer is a long-term transfer as stipulated in section 3 above.

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This agreement is valid indefinitely. The right of a license-holder to use this software is removed automatically and without notice if he or she violates one of the terms of this agreement. At the end of the period of right to use, the license-holder is obliged to destroy the software, all copies of the software, and the written material.

## **7. Compensation for breach of contract**

O&O would like to point out that you are responsible for any damages arising from breach of copyright if you violate these contract terms.

## **8. Changes and Updates**

O&O is entitled to update the software as it wishes. O&O is not obliged to make updated versions available to license holders who have not registered their product with O&O, or who have not paid the update fee. Any additional software code that is made available to you as an update is considered a part of the software and is therefore subject to the terms of this agreement.

## **9. O&O's Guarantees and Responsibility**

- (a) O&O guarantees the original license-holder that the data medium carrying the software is free of errors at the point of delivery, assuming normal operating conditions and a normal level of maintenance.
- (b) If the delivered data carrier is faulty, the purchaser can demand a replacement during the 24-month guarantee period. For this, he or she must return the data carrier, any back-up copies and the written material along with a copy of the invoice or receipt to O&O or to the dealer where the product was purchased.
- (c) If a fault as described in clause 9 b is not corrected by means of a replacement delivery within a reasonable time period, the purchaser can demand either that the sale price be reduced or that the contract be cancelled.
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## **10. Competency**

If the license-holder is a registered merchant under German law, the law that applies to this contract is the law of the Federal Republic of Germany. In this case, the state and federal courts of the Federal Republic of Germany assume responsibility.

If you have any questions regarding the licensing of O&O software or you wish to contact O&O, please get in touch with us as follows:

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