



Kernel for
Windows Data
Recovery

Installation &
Configuration Guide

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1. Introduction to Kernel for Windows Data Recovery

Welcome to the user manual of Kernel for Windows Data Recovery, the most effective and easy-to-use data recovery software that helps you to recover data from lost, deleted, formatted and corrupted partitions where FAT and NTFS based operating system, such as Windows 95, Windows ME, Windows 98, Windows NT, Windows 2000, Windows 2003, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, and, Windows 10 are installed on the hard disk or data storage media. This user manual comprises step-by-step guidelines on using Kernel for Windows Data Recovery.

1.1 Using this Manual

This user manual is intended to guide users on using Kernel for Windows Data Recovery. We suggest that first time users should read this user manual completely and carefully before proceeding to use the software. However, if you are an experienced user, you can use the table of contents to find out information pertaining to the tasks that you need to perform by using Kernel for Windows Data Recovery.

You can use the table of contents to navigate through different sections of this user manual. The table of contents lists all the sections that are contained in this user manual in chronological order. The user manual comprises the following sections:

- Introduction
- Getting Started
- Software Interface
- Recovering Windows Data
- Full Version
- Support
- Troubleshooting
- Legal Notice

Certain abbreviations have been used throughout this manual. For clear understanding of the contents of this user manual, please go through the list of abbreviations, mentioned below, before reading the manual.

1.1.1 List of Abbreviations

- FAT: File Allocation Table
- NTFS: New Technology File System
- RAM: Random Access Memory

- MB: Mega-Byte
- GB: Giga-Byte

1.2 About Kernel for Windows Data Recovery

Kernel for Windows Data Recovery is an effective, stupendous, and result-oriented FAT and NTFS data recovery software. The software effectively recovers data from the corrupt, damaged, or virus-attacked FAT16, FAT32, NTFS, and NTFS5 partitions. The software confirms an assured recovery of lost data. The data, which has been deleted from the Recycle Bin or using SHIFT + DELETE key can also be recovered with Kernel for Windows Data Recovery software. Following are the reasons that generally lead into data loss:

- Accidental or intentional formatting of hard disk partitions
- Accidental file deletion
- Virus attack
- Corruption of hard disk partition(s)
- Damage or deletion of partition structures
- Unexpected system shutdown
- Software failure
- Corruption of Windows file system(s)
- Accidental or intentional deletion of data stored on hard disk

The software is equipped with three recovery modes: **Quick Scan**, **Deep Scan**, and **File Trace**. These recovery modes enable the user to recover the lost data based on the various data loss situations. Kernel for Windows Data Recovery software maintains the logical structure, formatting, and properties of the recovered files and folders. While recovering the lost files, the software arranges them in their respective folders. In case, the parent folder of the recovered files is not found then the software creates a folder named **Lost Dir** and saves the recovered individual files in that folder.

With Kernel for Windows Data Recovery software, a user can impeccably recover data from existing logical drives and the hard disk partitions, as well. In some cases, it may happen that you do not see the hard disk partition from which you want to recover the lost data. At that time, you can use the **Search Partition** option of the software to locate the missing partition to continue the data recovery. Brief about the available data recovery modes in Kernel for Windows Data Recovery software is given below:

Quick Scan is a fast recovery mode, which assures data recovery of deleted files, files lost due to bad sectors, boot sector corruptions, FAT corruptions, index corruptions, partition deletions, MFT corruptions, virus attacks, media errors, etc. The recently deleted file(s) are effectively recovered by this mode of recovery.

Deep Scan is an advanced recovery mode, which recovers data lost due to partition format, partition deletion, and re-formatting of hard disk partitions. This mode should be selected when you want to recover the files and folders that were deleted long time ago. You can also select this mode when the Quick Scan mode does not recover the desired files and folders.

File Trace is a slow but effective recovery mode, which extensively scans the corrupt partition or drive to recover data from it. This recovery mode takes time in data recovery as it searches for lost data in sectors of the drive and then lists them to you. This mode enables you to search for specific file types to speed up the recovery process. For example, if you want to recover only .doc files then the software will only search for .doc files on the selected hard disk partition or logical drive.

The File Trace mode should be selected when Quick Scan and Deep Scan modes are unable to recover the lost data.

1.3 Salient Features

Kernel for Windows Data Recovery software incorporates a myriad of outstanding features that make data recovery simple and effective. Following are the software features:

- Recovers data from Physical device as well as Logical device.
- Recovers the data lost due to corruption, formatting, or re-formatting of the hard disk partitions.
- Recovers all types of files, such as images, video files, music files, database files, email files, media files, archive files, and graphic files.
- Comprises three recovery modes: Quick Scan, Deep Scan, and File Trace to help you recover data based on various data loss situations:
 - **Quick Scan:** This is the fastest recovery mode, which helps you recover the files and folders that are deleted recently. This mode can also be used in case the data is lost due to damage of MFT, corruption of the file system(s), presence of bad sectors on disk, and Index corruption.
 - **Deep Scan:** This mode is comparatively slower than the Quick Scan mode. Using this mode, you can recover those files and folders that Quick Scan mode fails to recover. The mode works well in case the data is lost due to hard disk formatting, deletion of hard disk partitions, and recreation of hard disk partitions.
 - **File Trace:** It is the slowest but the most efficient data recovery mode of the software. The mode scans the complete hard disk drive sector by sector to recover the maximum data. One should use this mode when both Quick Scan and Deep Scan modes get failed to produce the desired result. Using this mode, the user can even recover the files that were deleted long back. Displays the recovered folders in a tree-like structure to ease the search process.
- Displays the deleted files (that are now recovered) in Red color for their quick identification.
- Comprises Find Files option that helps you search for a specific type of files in the recovered data.

- Enables you to preview the recovered files before saving.
- Comprises the Save Snapshot and Load Snapshot features that help you save the recoverable data as a snapshot. The saved snapshot can be loaded anytime using the Load Snapshot option to continue the recovery process. The Save Snapshot and Load Snapshot features are beneficial when you do not have much time to sit and wait for the recovery process to finish. You can save the recoverable data on your computer's hard disk and later on by loading the snapshot you can move ahead with the recovery process.
- Enables you to configure software settings based on which the software will recover the lost data. Settings that can be configured are:
 - Sectors to be read in one attempt
 - Rename, overwrite, or skip the duplicate files
 - Include deleted files in the search, exclude deleted files from recovered files, or only recover the deleted files
 - Number of retries on bad sectors
- Provides full support for long file names.
- Supports all types of drives, such as IDE, EIDE, SCSI, SATA, PEN, ZIP, and USB drives.
- Recovers data from the drives that appear as Logical Drive in your computer.
- Provides full support to FAT 16, FAT 32, NTFS, and NTFS5 file systems.
- Provides full support to Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2000, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2, and Windows Server 2012 Operating System platforms.
- Round the clock technical support.

1.4 Who Should Use this Software?

The capability and potential of Kernel for Windows Data Recovery to recover deleted, damaged and formatted windows hard drive partition make it appropriate for every condition. Previously, the hard drive recovery was manually performed by professionals or experienced user.

Now with Kernel for Windows Data Recovery, any inexperienced or home user can easily use it to recover the data from the corrupt, formatted and deleted partitions which leads to data loss scenarios. The data loss scenarios could have been caused due to accidental file deletion, file system corruption, operating system corruption, erroneous hard drive format operations and other logical problems to your computer system.

1.5 System Requirements

Before you start installing Kernel for Windows Data Recovery software, make sure that your computer meets the following system requirements:

Hardware Requirements:

The hardware requirements for installing the software are as follows:

- Pentium Class Processor
- 64 MB RAM (128 MB Recommended)
- 10 MB of free disk space for software installation


Supported Windows OS Platforms:

- Windows XP
- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Windows 95/NT
- Windows XP
- Windows Server 2000
- Windows Server 2003
- Windows Server 2008
- Windows Server 2008 R2
- Windows Server 2012

Supported File Systems

- FAT 16
- FAT 32
- NTFS
- NTFS 5

Note:

 You should have enough space on your computer's hard disk or on any other storage media to save the recovered data.

2. Install and Uninstall

After checking your computer with the prescribed system requirements for Kernel for Windows Data Recovery, you can download and install this software on your computer.

2.1 Install Kernel for Windows Data Recovery

After being familiar with the software overview, key features, and system requirements let us install the software. However, before installing the software you must ensure that the software installer file is available on your computer. If the file is not available on your computer then you can download the file from our Website-

<https://www.nucleustechnologies.com/data-recovery.html>

After you have downloaded the installer file, execute the following steps to install the software:


- Double-click the installer file of **Kernel for Windows Data Recovery** software.
- Follow the on-screen instructions. When the installation process completes “Setup Installation Complete” message appears on the software installation screen.
- Click the **Finish** button to launch the software.

2.2 Uninstall Kernel for Windows Data Recovery

You can uninstall the Kernel for Windows Data Recovery software from your computer system by using one of the following two methods:

- Uninstall from Windows Start Menu
- Uninstall from Control Panel

Note:

-  Before starting the uninstallation process, make sure that the Kernel for Windows Data Recovery software is not in use.

2.1.1 Uninstall from the Windows Start Menu

Execute the following steps to uninstall Kernel for Windows Data Recovery from Windows Start menu:

1. Click **Start > All Programs > Kernel for Windows Data Recovery > Uninstall Kernel for Windows Data Recovery**. A warning message before uninstalling the software will be displayed on the screen.
2. Click the **Yes** button to uninstall the software.
3. Click the **OK** button.

5.6 Drive Information

Kernel for Windows Data Recovery also provides you detailed information about the drives available in your computer. In order to view drive information, select **Tools > Drive Information**. The software displays the information about the drives available:



Figure 5.6: Drive Information Window

After you have seen the drive information, click the **OK** button to close the dialog box.

6. Download Purchase and Register

One can use Kernel for Windows Data Recovery evaluation version for free and experience the capabilities of the software, but there are certain features that are not available in the evaluation version. In order to experience all the features of the software one has to purchase the complete and licensed version of Kernel for Windows Data Recovery software. As soon the purchase transaction with our resellers gets completed, our sales team will send you an email comprising the URL to download the full version of Kernel for Windows Data Recovery software and its activation details.

6.1 Free Trial Download

The trial version of Kernel for Windows Data Recovery software is also available, with which you can evaluate and analyze the capabilities of the software. The trial version of the software works similar to the Full version except allowing you to save the recovered files and folders. However, the trial version enables you to save the recovered items in the form of a snapshot, which can be loaded later with the Full version. Saving the recovered items as snapshot saves your time of rescanning the drive after purchasing the Full version.

6.2 Purchase and Register

You must purchase Full version of Kernel for Windows Data Recovery software in order to save the recovered files and folders. The FREE trial version of the software allows you to preview the recovered items but does not allow saving them. Therefore, to save the recovered items, you need to purchase the software.

You can purchase the software through KernelApps website: <https://www.nucleustechnologies.com/data-recovery.html> (encrypted and secure site).

Payment and Delivery

Purchase the Kernel for Windows Data Recovery software from our authorized resellers, which provide number of payment options for your ease - PayPal, FAX, Credit Card, E-cheque, Pay Order, etc.

After making the purchase transaction with our resellers, we send you an email, which consists of activation details and download link of the Full version comprising of the activation code. This email is sent to the email address, which you have used while processing the purchase transaction with our resellers.

We suggest you not to use false e-mail address while making the purchase transaction For any other details related to purchase process, software activation process, email us at: sales@nucleustechnologies.com.

6.3 Support

We have an extensive and efficient support system in place to assist our customers with all issues related to using Kernel for Windows Data Recovery. The software comes with an embedded help manual that can be accessed by clicking Help∅Contents in the menu-bar. You can also press the F1 key on the keyboard of your computer to access the embedded help of Kernel for Windows Data Recovery.

We also have live support wherein you can chat with our software experts at: <https://www.nucleustechnologies.com/supportcenter/>

To talk on phone with our software experts call:

Helpline:

+91-9818725861

1-866-348-7872 (Toll Free for USA/CANADA)

You can also email us about your queries at;

sales@nucleustechnologies.com for Sales

support@nucleustechnologies.com for Support

contact@nucleustechnologies.com for General Queries

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