

USB Repair Kit

Disk Wipe

Disk Wipe is free utility for Windows operating system. It helps users secure permanent removal of data from their hard drives or other memory storage devices like USB memory sticks, SD memory cards or any other device who's memory can serve as a storage (some mp3 players, many cameras etc.) As long as the memory device is accessible and formatted with either NTFS, Fat, or Fat32 Disk Wipe can clean all the information's from it without possible data retrieval.

Features of Disk Wipe

- Permanently wipes sensitive data on partitions and disk volumes.
 - Portable, no installation needed!
- Uses several advanced shredding algorithms (Dod 5220-22.M, US Army, Peter Guttmann) to securely wipe data.
 - Supports all popular Windows file systems, NTFS, Fat, Fat32.
 - It uses quick format prior to disk wiping for faster performance.
- Works with USB sticks, SD cards and other portable memory devices.
 - Small, light, does not contain adware.
- Respect the privacy of your information, does not try to connect to remote server and does not send any information over internet.



About disk wiping technology

Disk Drive is a device that stores digital data. Those data is stored on a surface of magnetic platters that rotates at a very high speeds. The magnetic property on a surface of a disk platter can be read or changed to either 1's or 0's. The entire information structure with all data on disk drive comes down to a large number of ones and zeros - the basic cell's of binary data. When you write a data on your disk drive (text, zip file, movie, whatever..) a row of 0's and 1's are written. That is your data. Now, when you delete the data those ones and zeros aren't deleted,

merely a pointer to that data is being removed. That makes recovering such deleted data very easy.

Ok, what about formatting? Unfortunately, formatting a disk drive can not help securing the permanent deletion either. Formatting a disk drive does not actually overwrite the data, and although it is way better than deleting the file from within Windows it is still very easy to retrieve data back from a formatted disk.

The only real, and many times proven method of permanent data removal (without making a physical damage to a disk) is DISK WIPING technology. So, what is disk wiping and how it works? In order to permanently wipe a data from a disk all binary data, down to a basic 0's and 1's must be overwritten with a new data. So, contrary to what its name implies disk wiping (or disk wipe method) doesn't really wipe, or delete the disk data, it actually replaces or overwrites the existing data with a new data. In its simplest form the new data written could be all zero's, but more advanced algorithms use a combination of filling up a disk with random information plus multiple passes to ensure impossibility of retrieval from a wiped disk.

Disk Wipe is a free software that does so, it wipes the disk using one of predefined advanced algorithms, by overwriting the existing disk data with a new, random meaningless data, and it does so multiple times, by users choice, to secure even higher level of safety.

Disk Wipe works with ANY memory storage device such as USB memory stick, various SD, mini and micro SD cards and all other devices that can be used as a memory storage and are formatted with NTFS, Fat or Fat32 (some mp3 players and cameras etc.)

Diskwipe.exe

<http://www.diskwipe.org/>

Blue screen Viewer

BlueScreenView scans all your minidump files created during 'blue screen of death' crashes, and displays the information about all crashes in one table. For each crash, BlueScreenView displays the minidump filename, the date/time of the crash, the basic crash information displayed in the blue screen (Bug Check Code and 4 parameters), and the details of the driver or module that possibly caused the crash (filename, product name, file description, and file version).

For each crash displayed in the upper pane, you can view the details of

the device drivers loaded during the crash in the lower pane.

BlueScreenView also mark the drivers that their addresses found in the crash stack, so you can easily locate the suspected drivers that possibly caused the crash.

Bluescreenview.exe

http://www.nirsoft.net/utills/blue_screen_view.html

CCleaner

CCleaner is a **freeware** system optimization, privacy and cleaning tool. It removes unused files from your system - allowing Windows to run faster and freeing up valuable hard disk space. It also cleans traces of your online activities such as your Internet history. Additionally it contains a fully featured registry cleaner. But the best part is that it's fast (normally taking less than a second to run) and contains NO Spyware or Adware! :)

Cleans the following

Internet Explorer

Temporary files, history, cookies, Autocomplete form history, index.dat.

Firefox

Temporary files, history, cookies, download history, form history.

Google Chrome

Temporary files, history, cookies, download history, form history.

Opera

Temporary files, history, cookies.

Safari

Temporary files, history, cookies, form history.

Windows

Recycle Bin, Recent Documents, Temporary files and Log files.

Registry cleaner

Advanced features to remove unused and old entries, including File Extensions, ActiveX Controls, ClassIDs, ProgIDs, Uninstallers, Shared DLLs, Fonts, Help Files, Application Paths, Icons, Invalid Shortcuts and more... also comes with a comprehensive backup feature.

Third-party applications

Removes temp files and recent file lists (MRUs) from many apps including Media Player, eMule, Kazaa, Google Toolbar, Netscape, Microsoft Office, Nero, Adobe Acrobat, WinRAR,

WinAce, WinZip and many more...

CCleaner.exe

<http://www.ccleaner.com/>

7-Zip portable

the portable file archiver

7-Zip Portable is the popular [7-Zip](#) packaged as a [portable app](#), so you can take your file archiver with you and work with your compressed 7z, ZIP, GZIP, BZIP2, TAR, RAR files and more on the go. You can place it on your USB flash drive, iPod, portable hard drive or a CD and use it on any computer, without leaving any personal information behind.

7-Zip_portable

<http://www.7-zip.org/>

Advanced SystemCare Free

This utility offers a one-stop-shop for cleaning and maintaining your computer for better overall system performance. The interface is very simple, featuring only a few buttons, which makes it easy to get down to cleaning immediately (in fact, it automatically runs on start-up) and doesn't confuse you with multiple steps.

The Maintain Windows section focuses on four areas of maintenance: spyware removal, Registry cleaning, a privacy sweep, and deletion of junk files. The Diagnose System button provides system optimization tools, detects spyware, defragments your disk, and scans for hijacked Windows settings. In our tests the scan and clean for each of these areas took less than 10 minutes to complete. In many of these scans, it is difficult to tell what exactly is being accomplished by some of the tools, but we were able to test against other trusted apps, which confirmed Advanced SystemCare's efficacy in those areas.

Under the utilities section you are given several tools, which are similar to plug-ins, for other areas of optimization and diagnostic tests. Overall, Advanced SystemCare Free is a good way to maintain your system's speed and clear out junk files, but you'll need to remember to run it regularly because scheduling of scans is only available in the paid Pro version.

ASC-Setup.exe

<http://www.iobit.com/advancedwindow scareper.html>

Malwarebytes Anti-Malware

Malwarebytes Anti-Malware is a surprisingly effective freeware antimalware tool. It's a relatively speedy malware remover, with the quick scan taking about 8 minutes even with other high-resource programs running. The heuristics engine proved on multiple computers during empirical testing that it was capable of determining the difference between false positives and dangerous apps.

The app has some nice features rolled in, too. It supports multiple drive scanning including networked drives, context menu options including a scan-on-demand for individual files, and the FileAssassin option under the More Tools section for removing locked files. The interface is simple, but pleasant-looking and well-organized. Tabs live just below the oversized logo, with few options per tab to keep down the clutter. The installation process was fast enough, but interestingly offered up the well-kept changelog and an instant definition file update.

Do note that the real-time protection is restricted to the paid version, as is the scheduler for updates and scans. Overall, though, Malwarebytes Anti-Malware is a responsive malware remover that does what it should with a minimum of fuss.

Mbam

<http://www.malwarebytes.org>

Freeware IObit Security 360

Freeware IObit Security 360 is a fast and welterweight utility for both detecting and removing malware, and determining any security holes in your system before they can be exploited. The interface has large icons with simple labels that won't confuse novices, and the tools menu offers some useful features that more advanced users are sure to appreciate.

The Overview tab is the main window and contains links for immediate Smart scans, definition file updates, a "security analysis," which evaluates potential exploits in your system and includes Windows security patches, and a status update window. This tells you whether your real-time protection, automatic scans and updates, and heuristic-based scans are on or off. Automatic scans and updates and scheduled scans, are restricted to the paid upgrade. The Scan tab lets you initiate a Smart scan, a Full scan, or a Custom scan, and the Protection tab lets you toggle your real-time protection status. It seems a bit odd that a user would want the separate controls the program offers for "known malware" and "unknown threats."

The Tools tab gives you seven useful system security tools. There's a Hijack scan for power users, a Security Holes scan, a Passive Defense that disables cookies in Firefox and Internet Explorer, and ActiveX in IE, and an Unlock and Delete tool for getting rid of files your system thinks are in use. There's a Privacy Sweeper that will clean not just cookies and cache but saved forms, download history, and other Internet traces in all major browsers, as well as utilities like archival tools, multimedia players, and other applications. Annoyingly, a PC Tuneup option takes you to the download page for another IObit program, but users on the go will like the custom portable version that you can launch from a USB key. Security 360 eats about 50MB of RAM when idle, with a Smart scan taking about 6 minutes and a full scan finishing in 45 minutes, making this one of the fastest in its class.

IObit Security 360 is a free malware & spyware removal utility that detects, removes the deepest infections, and protects your PC from various of potential spyware, adware, trojans, keyloggers, bots, worms, and hijackers. With the unique "Dual-Core" engine and the heuristic malware detection, IObit Security 360 detects the most complex and deepest spyware and malware in a very fast and efficient way. IObit Security 360 has a real-time malware protection and frequent automatic updating for prevention of zero-day security threats. IObit Security 360 can work with your antivirus for a superior PC security.

Is360setup141

<http://www.iobit.com/>

Superantispyware

SuperAntiSpyware, a next generation product, with its Multi-Dimensional Scanning and Process Interrogation Technology will detect spyware and remove over 1,000,000 pests such as Vundo, ZLob, SmitFraud, WinFixer, VirusRay, and VirusHeat. Repair broken Internet connections, desktops, registry editing, and task manager. The program provides complete and custom scanning of hard drives, removable drives, memory, registry, individual folders include trusting items and excluding folders for complete customization of scanning. Detect and remove spyware, adware, malware, Trojans, dialers, worms, keyloggers, and hijackers. Prevent potentially harmful software from installing or re-installing. First Chance Prevention examines over 50 critical points of your system each time your system starts up and shuts down to eliminate threats before they have a chance to infect and infiltrate your system. Our Direct Disk Access (DDA) technology sees rootkits others miss.

What's new in this version:

Version 4.33.1000 resolved rare crash issues where infections were blocking/redirecting and diagnostic system improvements to diagnose new rootkits more efficiently.

SUPERAntiSpyware

http://download.cnet.com/SuperAntiSpyware-Free-Edition/3000-8022_4-10523889.html

Avira Antivirus

Avira AntiVir Personal - FREE Antivirus is a reliable **free antivirus solution**, that constantly and rapidly scans your computer for malicious programs such as viruses, Trojans, backdoor programs, hoaxes, worms, dialers etc. Monitors every action executed by the user or the operating system and reacts promptly when a malicious program is detected.

Avira AntiVir Personal is a comprehensive, easy to use antivirus program, designed to offer reliable free of charge virus protection to home-users, for personal use only, and is not for business or commercial use. Available for Windows or UNIX

Avira_antivir_personal_en

<http://www.avira.com/en/download/index.php>

Clamwin portable

ClamWin Antivirus is antivirus software for Windows. It provides a graphical user interface to the Clam AntiVirus engine. ClamWin uses the GNU General Public License. ClamWin Antivirus comes with an installer and open source code at no cost. It features: scanning scheduler, automatic virus database updates, atandalone virus scanner, integration to MS Windows Explorer, and add-in to MS Outlook.

ClamWin_Portable

<http://www.clamwin.com/>

Netscan

SoftPerfect Network Scanner is a free multi-threaded IP, NetBIOS and SNMP scanner with a modern interface and several advanced features. It is intended for both system administrators and general users interested in computer security. The program pings computers, scans for listening TCP ports and displays which types of resources are shared on the network (including system and hidden).

In addition, it allows you to mount shared folders as network drives, browse them using Windows Explorer, filter the results list and more. SoftPerfect Network Scanner can also check for a user-defined port and report back if one is open. It can also resolve host names and auto-detect your local and external IP range. It supports remote shutdown and Wake-On-LAN

- Pings computers.
- Does not require administrative privileges.
- Detects hardware (MAC) addresses even across routers.
- Detects hidden shared folders (normally invisible on the network) and write accessible shares.
- Detects your internal and external IP addresses.
- Scans for listening TCP ports and SNMP services.
- Retrieves currently logged-on users.
- You can mount and explore network resources.
- Can launch external third party applications.
- Exports results to HTML, XML, CSV and TXT
- Supports Wake-On-LAN, remote shutdown and sending network messages.
- Retrieves potentially any information via WMI.
- Retrieves information from remote registry.
- It is absolutely free, requires no installation, and does not contain any adware/spyware/malware.

netscan

http://download.cnet.com/SoftPerfect-Network-Scanner/3000-2085_4-10205180.html

TreeSize Free

Every hard disk is too small if you just wait long enough. TreeSize Free tells you where precious space has gone to. TreeSize Free can be started from the context menu of a folder or drive and shows you the size of this folder, including its subfolders. You can expand this folder in Explorer-like style and you will see the size of every subfolder. Scanning is done in a thread, so you can already see results while TreeSize Free is working. The space, which is wasted by the file system, can be displayed and the results can be printed in a report. TreeSize Free is freeware for Windows 2000/XP/Vista/7. Users of Windows 9x/ME can download last compatible version **[TreeSize Free V2.1](#)**.

Treesizesetup

<http://www.jam-software.com/freeware/index.shtml>

PC Wizard

PC WIZARD is also an utility designed to analyze and benchmark your computer system. It can analyze and benchmark many kinds of hardware, such as CPU performance, Cache performance, RAM performance, Hard Disk performance, CD/DVD-ROM performance, Removable/FLASH Media performance, Video performance, MP3 compression performance.

PCW2010

<http://www.cpuid.com/pcwizard.php>

Recuva

Recuva (pronounced "recover") is a freeware Windows utility to restore files that have been accidentally deleted from your computer. This includes files emptied from the Recycle bin as well as images and other files that have been deleted by user error from digital camera memory cards or MP3 players. It will even bring back files that have been deleted from your iPod, or by bugs, crashes and viruses!

- Simple to use interface - just click 'Scan' and choose the files you want to recover
- Easy to use filter for results based on file name/type
- Simple Windows like interface with List and Tree view
- Can be run from a USB thumb drive
- Restores all types of files, office documents, images, video, music, email, anything.
- Supports FAT12, FAT16, FAT32, exFAT, NTFS, NTFS5 , NTFS + EFS file systems
- Restores files from removable media (SmartMedia, Secure Digital, MemoryStick, Digital cameras, Floppy disks, Jaz Disks, Sony Memory Sticks, Compact Flash cards, Smart Media Cards, Secure Digital Cards, etc.)
- Restores files from external ZIP drives , Firewire and USB Hard drives
- It's fast, tiny and takes seconds to run!

Rcsetup134

<http://www.piriform.com/recuva>

FreeUndelete — File Undelete

Software

FreeUndelete restores deleted files, including those removed from Windows Recycle Bin. In case of accidental removal of files on a NTFS (1.0 and 2.0) (default for Windows Vista, XP, 2000 and NT), FAT32, FAT16 or FAT12 file systems this is the utility to help.

Supported file systems:
NTFS 1.0, NTFS 2.0, FAT12, FAT16 and FAT32

The recovered files are saved into a new user-selected location to prevent overwriting the deleted files on the original media.

Free For Personal Use!

It is our pleasure to emphasize that FreeUndelete is *free for personal use*. There is no charge, direct or hidden, to download and use a fully functional copy of the program. The program does not install any spyware or adware along with it. It does not populate user's desktop with pop-up ads or forcefully subscribe user to mailing lists.

Please note that purchase is mandatory for use in business environment. Registered business users get guaranteed customer support service. For private users customer support is not guaranteed and depends on support staff workload

A deleted file is essentially an area on disk designated as free and ready to accept data (such as contents of some other file). Luckily, unless the area has already been overwritten, it still holds the contents of the deleted file. Due to this fact it is possible to undelete files.

This fact also dictates the following procedure for using FreeUndelete:

1. Stop any activity on the disk you are going to undelete files from! Remember that writing to that disk can damage the contents of the deleted files. Examples of disastrous activity include: copying files to the disk, installing programs there or running programs that use the disk as their swap media.
2. Download and install FreeUndelete. Whenever possible, save the setup executable and install the program to a disk that does not hold files you need to undelete.
3. Run and use FreeUndelete.

Tip: It is common that the only drive user has is C: and this is also the drive from where files need to be undeleted. In that case a good solution is using a USB flash drive as FreeUndelete download and install destination.

Fru-2.0.32209-setup

<http://www.officerecovery.com/>

WinAudit

WinAudit is easy to use, no special knowledge is required to use the programme. It is a self-contained single file that needs no installation or configuration. It can be run from a floppy disk or USB stick. The program reports on virtually every aspect of computer inventory and configuration. Results are displayed in web-page format, categorised for ease of viewing and text searching. Whether your interest is in software compliance, hardware inventory, technical support, security or just plain curiosity, WinAudit has it all. The program has advanced features such as service tag detection, hard-drive failure diagnosis, network port to process mapping, network connection speed, system availability statistics as well as Windows update and firewall settings.

WinAudit.exe

http://download.cnet.com/WinAudit/3000-2086_4-10832099.html

Notes:

Programs talked about at session.

Parted magic

Build a robust Linux install with dozens of functions and applications designed to work on hard drives. Building Parted Magic LiveCD requires a CD burning tool to create the bootable CD with the OS and functions.

Booting into the Linux OS offers numerous commands to work on your hard drive, and includes more functions than we could list here. Users should definitely take the time to surf to the publisher's Web site to study the CD's major applications before getting started. Some instructions are included with this package, but testers recommend only experienced users tackle this OS and applications. Many of the functions are easy to use, but improperly set actions could result in damage to your file structure. As the publishers note, this version of Parted Magic uses VisParted and Parted, but version 2.2 includes the more popular Gparted, a robust tool with the capability to change drive partitions without losing data.

Still, this version of the freeware is a powerful efficient tool to help experienced users manipulate their hard drive

<http://partedmagic.com/>

Combo Fix

Combofix is a freeware (a legitimate spyware remover created by sUBs), Combofix was designed to scan a computer for known malware, spyware (SurfSideKick, QooLogic, and Look2Me as well as any other combination of the mentioned spyware applications) and remove them.

<http://www.combofix.org/>

TweakNow PowerPack

TweakNow PowerPack is a fully-integrated suite of utilities that let you fine-tune every aspect of your computer's operating system and Web browser. The Registry Cleaner module provides you with a safe and simple way to clean Windows Registry. To keep your computer always at top performance, we recommend to clean your registry at least once a month. For Windows tweaking lovers, the suite provides more than 100 hidden Windows settings in the Windows Secret section. Using modules included in this section, you can easily customize your Windows like geeks do. The Virtual Desktop module lets you run as many as four custom-designed desktop configurations simultaneously, allowing you to tailor your computer screen to your mood and your work requirements. Last but not least, the suite also gives you a complete picture of all aspects of your computer's hardware, including detailed information about your motherboard, processor, video card, memory, hard disk and network.

<http://www.tweaknow.com/>

Viewing desktops in a lab.

Look at the two free options.

iTALC – Free open source

<http://italc.sourceforge.net/>

LanSchool Lite – limited free version

http://www.lanschool.com/lanschool_lite