

What is ZapDrive?

ZapDrive is a standard USB flash memory device with a built-in secure erase function. Click a button and *ZapDrive* completely wipes its entire 4 GB of flash memory. *ZapDrive* erases memory at the physical level – any file that ever existed on the drive is erased and completely unrecoverable.

Use *ZapDrive* to move files between systems, and when you're finished - zap it! With the push of a button, erase not just the files, but the memory itself. Nothing is left, even for the best forensics experts to find.



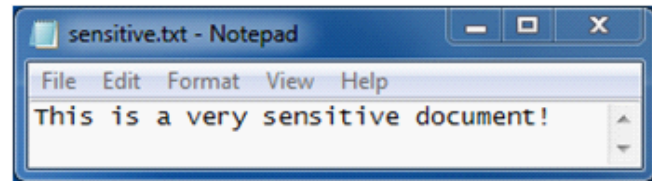
"ZapDrive's Secure Erase capability truly and irrevocably deletes your data."
 -Harlan Carvey, author of "Windows Forensic Analysis Toolkit, Third Edition".

Why do I need a ZapDrive?

Did you know deleting a file from a standard USB drive leaves the contents of the file in the flash memory? Even when you re-format the drive, the memory is unallocated but not erased - all of the personal, proprietary and restricted information you ever transferred to the drive remains... unless it was overwritten by other equally sensitive information!

For example, suppose you transfer a private document to your flash drive:

When you finish with the file, being security-minded, you delete the file from the flash drive AND you re-format the drive's file system. Now the file is gone, right? Sure, but the contents of that file are still on the drive! Anyone who later uses the drive can read the contents of the deleted files with a simple hex editor.



Unallocated drive space after re-format*:

```
0003FFF0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00040000 54 68 69 73 20 69 73 20 61 20 76 65 72 79 20 73 This is a very s
00040010 65 6E 73 69 74 69 76 65 20 64 6F 63 75 6D 65 6E ensitive documen
00040020 74 21 00 00 00 00 00 00 00 00 00 00 00 00 00 00 t!.....
00040030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```

*Data still exists
after re-format*

*Using Windows 7 Quick Format

Unallocated drive space after ZapDrive secure deletion:

```
0003FFF0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00040000 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00040010 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00040020 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00040030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```

*Data completely
erased after
secure deletion*

Some tools may claim to overwrite or "shred" your drive's unallocated memory but these techniques cannot guarantee the contents of your files are gone. The ONLY way to erase your files completely and forever is with *ZapDrive*.

ZapDrive's secure deletion ensures gone is really GONE!

ZapDrive memory deletion technology wipes the flash memory - block by block - removing all traces of the data previously stored on the drive. Other USB flash devices delete through the file system, leaving whole files intact and retrievable by a minimally-competent technician. *ZapDrive* is forensically-proven to remove all traces of any data on the drive - even files that were erased through the file system. Files are completely and permanently destroyed - unrecoverable even with the best computer forensics tools – all with the push of a button.



A button on the device's case allows the user to initiate the erase sequence:

- For convenience, two user-selectable erase modes are available:

Quick Erase (20 sec):

Drive controller schedules erasure of each block of flash memory and prevents user & OS access to unerased blocks. Actual erase operations are performed when the drive is not being utilized.

Secure Erase (4 min):

Drive controller disconnects the device from USB and performs an immediate low-level erasure of each block of flash memory.

- LED indicator light provides status of erase process.
- The controller automatically re-partitions and re-formats the erased drive, then restores the volume label so it's ready to use.

Potential Uses

- **System Administration** – Perform system maintenance functions, including software installation and patching, data backups and transfers, password sharing, and user account management. With a quick *ZapDrive* erase, you have a factory-fresh device available for each new task. Save time and money.
- **Sales & Marketing** – Use *ZapDrive* for customer demos and presentations, then securely erase your data to eliminate the risk of the loss or theft of sensitive business information.
- **External Data Sharing** – *ZapDrive* is an ideal medium for sharing data with untrusted external entities or across internal systems without worrying about cross-contamination or introduction of malware into your information infrastructure.
- **Personal Use** – *ZapDrive's* unique secure delete capability allows use of the same device for both personal and sensitive business data storage tasks, without concern for lingering artifacts after use.
- **Travel** – *ZapDrive* assures that your sensitive data, whether personal or corporate, can be quickly and conveniently erased before it can unexpectedly fall into unauthorized hands.



ZapDrive provides security and peace of mind

Don't leave behind remnants of private information - tax returns, photographs, personal correspondence – on a USB drive that can fall into the hands of someone who will exploit it. Don't expose your company's proprietary information – bid rates, strategies, research – to potential competitors by leaving it on a USB drive that is easily misplaced, lost, or stolen. And if you are concerned with **HIPAA, PCI,** and **PII compliance**, eliminate potential data breaches.

Use *ZapDrive* to transfer your files - then ZAP IT and your USB drive is cleaner than factory fresh!