



CamoText User Guide

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1. Introduction

CamoText is a text anonymization tool designed to help organizations and individuals detect and obscure sensitive data before sharing text, including with AI models that store such data, use it for training, and potentially leak it for other users' responses.

CamoText scans your input text for various personally identifiable information (PII) and other types of confidential details, then securely anonymizes them with hashed labels. The human-in-the-loop then reviews the output to highlight and anonymize any other sensitive terms, and revert any false positives, before further use.

2. System Requirements & Installation

- **Operating System:** Windows 10 or later, or macOS with compatible dependencies.
- **Memory:** At least 4 GB RAM; 8 GB or higher recommended for large files.
- **Disk Space:** Approximately 200 MB for the base installation; additional space may be required for large file processing.
- **Installation:** Double-click the downloaded installer. Follow on-screen prompts to complete, and consult the FAQ section in this User Guide if you encounter any installation warnings.

After installation, CamoText will be in the Start menu (Windows) or Applications folder (macOS).



3. Interface Overview

Light Mode

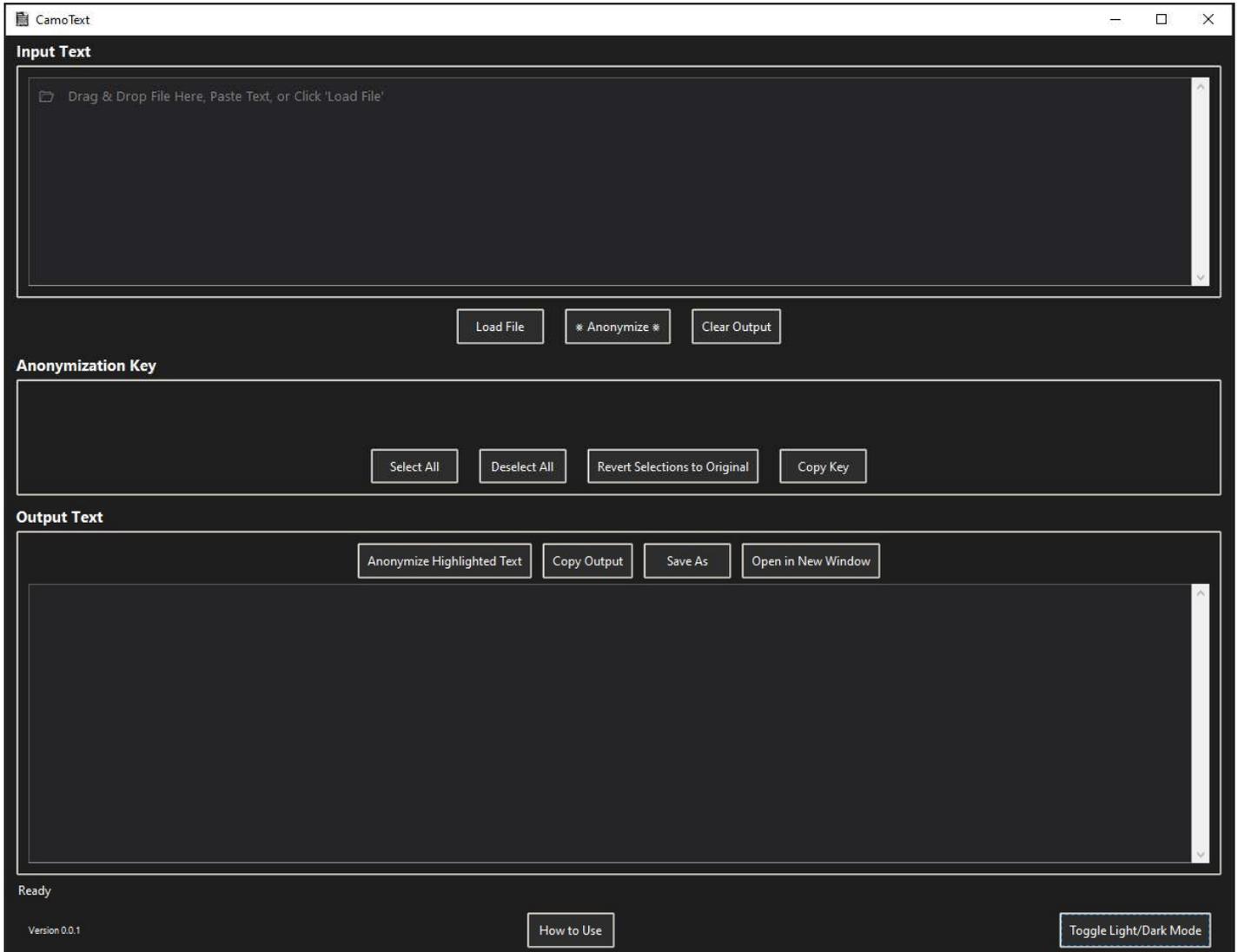
The screenshot displays the CamoText application window in Light Mode. The window title is "CamoText". The interface is organized into three main sections:

- Input Text:** A large text area with a placeholder "Drag & Drop File Here, Paste Text, or Click 'Load File'". Below it are buttons for "Load File", "* Anonymize *", and "Clear Output".
- Anonymization Key:** A text area for defining the key. Below it are buttons for "Select All", "Deselect All", "Revert Selections to Original", and "Copy Key".
- Output Text:** A large text area for the processed output. Above it are buttons for "Anonymize Highlighted Text", "Copy Output", "Save As", and "Open in New Window".

The status bar at the bottom of the window shows "Ready", "Version 0.0.1", "How to Use", and "Toggle Light/Dark Mode".



Dark Mode



Once launched, the main window of CamoText is divided into three sections (light and dark modes shown above).

1. Input Text

- A text box where you *paste or load* the document you wish to anonymize.
- A **Load File** button for importing supported file types (.txt, .pdf, .docx, .xlsx, .csv, .rtf).

2. Anonymization Key

- This pane displays the list of all anonymized terms along with their hashed placeholders.
- Tools include **Select All**, **Deselect All**, **Revert Selections to Original**, and **Copy Key**.

3. Output Text

- Shows the text after anonymization.
- Buttons to **Anonymize Highlighted Text**, **Copy Output**, **Save As**, and **Open in New Window**:

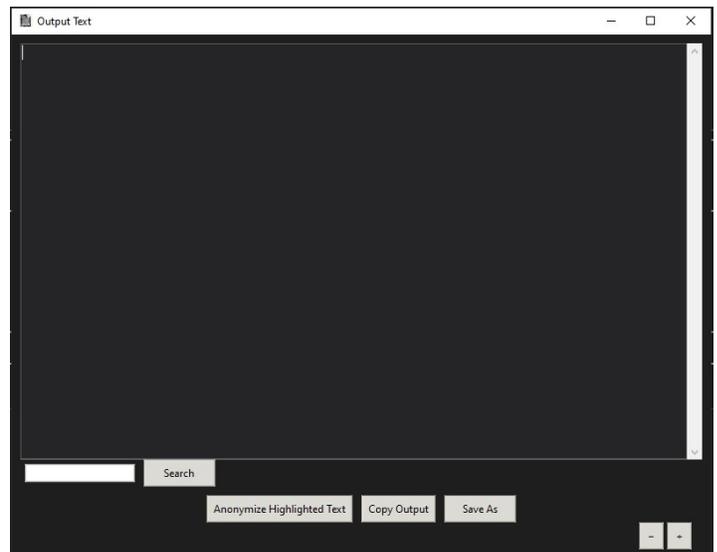
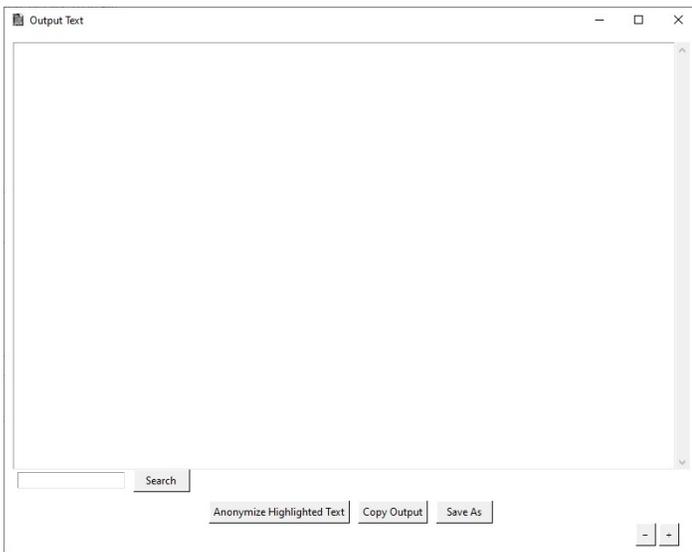


- **Anonymize Highlighted Text** — Allows you to highlight and anonymize any additional sensitive terms or text of any length you spot.
- **Copy Output** — Copies the text to your clipboard.
- **Save As** — Saves the current state of the output as a file of your choice.
- **Open in New Window** — see below.

At the bottom, you'll see a status indicator that typically shows messages such as "Ready" or "Analyzing text...", as well as your application version.

Also note the **"How to Use"** button for in-application instructions and the **"Toggle Light/Dark Mode"** button on the far right.

Using "Open in New Window"



Beneath the **Output Text** panel, you will see a button labeled **Open in New Window**.

When clicked:

1. **Separate Window Launch**

- CamoText opens the entire output text in a new, larger window (screenshots below).
- This new window includes the following features:
 - **Search** — A text field and a **Search** button to locate specific words or phrases in your anonymized text.
 - **Anonymize Highlighted Text, Copy Output, Save As** — same functionalities as in the main window.
 - **Zoom** — Small **-** and **+** buttons appear in the bottom-right corner for adjusting the font size.

2. **Making Changes in the Separate Window**

- The separate window is fully editable; any text you highlight and anonymize here will be updated accordingly in the main window's Output Text upon closure.
- Each new hashed item is also tracked in the **Anonymization Key**, just like in the main interface.



3. Automatic Sync

- While the separate window is open, all operations of the main window will be frozen in order to avoid mismatches between the two output text versions.
- When you close the separate window, **all changes** made — including newly anonymized terms — automatically update the main window's **Output Text** and the **Anonymization Key**.
- There is no need to copy/paste or re-run the anonymization; CamoText does this for you seamlessly.

Use this feature whenever you have a large document or prefer a dedicated space to review, search, and refine the final anonymized text before saving or distributing.

4. Step-by-Step Usage Instructions

Step 1: Input Text

In the **Input Text** box, you can either:

- **Drag & Drop** a file directly from your file explorer into the text box.
- **Paste** text from your clipboard.
- **Click** the **Load File** button to browse and open a file (.txt, .docx, .pdf, .xlsx, .csv, .rtf).

If CamoText detects a potentially large file, it may prompt you regarding file size and performance considerations. CamoText automatically extracts the text in your file, so be aware that some file formats such as .pdf may introduce formatting issues (such as line breaks, spaces, or unknown characters) when automatically extracted that can affect the anonymizer's accuracy.

Step 2: Anonymize

1. Once your text is visible in the **Input Text** area, click the **Anonymize** button.
2. **CamoText** automatically scans the input and replaces detected sensitive information with hashed tokens, for example: <PERSON_c94e6fa3d45e91fd77e91aa44e55c>
3. The anonymized version appears in the **Output Text** panel, and the **Anonymization Key** panel now lists each hashed term and its original value.

Step 3: Review & Revert

1. In the **Anonymization Key** panel, review each hashed item.
2. If a term was hashed *unnecessarily*, check its box and click **Revert Selections to Original**.
 - Example: If **"CamoText LLC"** was hashed but you prefer it visible as you don't consider it to be confidential, revert it here.
3. The output automatically updates so that any reverted text becomes legible again.

Step 4: Refine the Output



1. **Double-Check Sensitive Terms:** Look over the **Output Text** carefully to ensure that **all** critical confidential or identifying terms or passages are hashed. *Human-in-the-loop* review is essential as automated detection may skip oddly formatted words or partial matches.
2. **Manually Anonymize Highlighted Text:** If you spot new or missed terms or passages, highlight them in the Output Text box and click **Anonymize Highlighted Text**. This hashes them in every location in the text and updates the Key panel accordingly.
3. **Open in New Window:** For an easier review, you can open the **Output Text** in a separate window—especially helpful for larger documents. Any changes you make in that window sync back to the main interface when you close it.

Step 5: Finalize & Save

1. **Copy Output:** Copies the fully anonymized text to your clipboard.
2. **Save As:** Saves the anonymized text in a supported format (*.pdf, .txt, .docx, .xlsx, .csv, .rtf*).
3. **Keep or Discard the Key:**
 - If you need to reference the original anonymized details in the future, hold onto the Anonymization Key by clicking **Copy Key** and saving it.
 - If you want the data to remain inaccessible, do *not* share or store the Key.
4. **Close:** Once CamoText is closed, no text nor data is retained by it unless you have copied it to clipboard or saved it to your device.

5. Data Types & Meanings

CamoText recognizes and replaces many different categories of text that are commonly considered PII (personally identifiable information) or otherwise commercially sensitive:

- **PERSON:** Full or partial names that might identify an individual.
- **EMAIL_ADDRESS:** Any recognized email format (e.g., *user@domain.com*).
- **PHONE_NUMBER:** Telephone numbers in various formats, including international.
- **DATE_TIME:** Dates and times in various formats (e.g. 01/01/2001, Jan. 1, 2001)
- **ENTITY:** Organization names, such as *CamoText Inc.*
- **MONEY:** Monetary amounts (with currency symbols or references, numerical or words).
- **LOCATION:** General location identifiers (e.g. *Baltimore, Maryland*)
- **ADDRESS / STREET_ADDRESS:** Address lines, road names, etc.
- **CREDIT_CARD:** Numerical string matching common credit card number patterns
- **ACCOUNT:** Account handles, PINs, and names (e.g. *@CamoText1*)
- **US_SSN:** Numerical string matching US social security number pattern
- **US_PASSPORT:** string matching US passport number pattern
- **US_BANK_NUMBER:** US Bank Account number
- **US_ROUTING_NUMBER:** US Bank routing number
- **IBAN_CODE:** IBAN banking code
- **IP_ADDRESS:** Both IPv4 and IPv6 patterns (e.g., *192.168.0.1*).
- **MEDICAL_LICENSE:** String matching common medical license pattern
- **API_KEY:** Strings of characters that match known API credential formats.
- **UUID:** Universally Unique Identifier strings (e.g., e-signed document identifiers, GUIDs).
- **CRYPTO_ADDRESS:** cryptocurrency addresses (Bitcoin, Ethereum/EVM, Solana)
- **URL:** Website urls or hyperlink patterns.



- **FILE:** Common file types and file path strings (e.g., `C:\Users\Username\Documents\secret.pdf`, `SurveillanceFootageHome.mp4`).

Note: Some text (such as misspelled personal names, custom IDs, unusual terms, or two types of data without a whitespace between them) might *not* be auto-detected. Detection uses a natural language processing engine combined with probability-based pattern matching, which is not 100% accurate.

Sensitivity of text is often subjective – ALWAYS do a manual review.

6. Frequently Asked Questions

Q: Why does my computer block installation, saying the app is from an “unknown” or “unidentified” publisher?

A: Windows’ firewall and macOS’s Gatekeeper have especially sensitive security settings for bundled software like CamoText, so on some systems they may warn you when trying to install.

On Windows, double-click the `CamoTextInstallerSigned.exe` file to open the installer, which should display “CamoText LLC” as the publisher. If the file is blocked, the window should provide an option to “Run Anyway” – after selecting this, the installer will proceed as normal.

On MacOS, double-click the `CamoTextInstaller.dmg` file to open it, drag the `.app` file to your Applications folder, Right-click the `.app` in Applications and select "Open." In the pop-up, click "Open" to bypass the warning if it appears.

On either operating system, after CamoText has been installed, it should be accessible and usable without any further warnings.

Q: Can CamoText handle large PDFs or Word documents?

A: Yes, up to 50MB and 800 pages, though performance will depend on your system’s memory. PDFs will be slower and more prone to errors in formatting than text files. For large files, consider first copying the text itself to clipboard, converting to a `txt` file, or breaking them into parts.

Q: Do I need to keep the Anonymization Key?

A: Only if you foresee needing to restore or reference those portions of the original text without using the original text itself. If not, you can ignore it to reduce the risk of unintentional exposure, as it is automatically deleted when CamoText is closed.

Q: Does CamoText detect sensitive images or scans of text?

A: In its current version, CamoText only output textual content. Content other than text (including scanned PDFs with no extractable text) will be ignored.

Q: Why does the tool sometimes over-match or skip certain words?

A: It is designed to often err on the side of caution by over-matching certain patterns, especially considering the ease of reversing false positives. Text that’s misspelled or oddly formatted may be skipped, so always double-check.



Q: Wait, can AI reverse-engineer the hashes CamoText creates when anonymizing?

A: No, the 32-character SHA256 encryption is effectively irreversible by current technology.

Q: Are there other reasons to use CamoText other than with AI?

A: CamoText can be useful anytime redaction is needed or advisable in documents, as a way to quickly remove PII and as an easy-to-use interface for manual redactions.

Q: Can I have a special type of recognizer for my company or agency, or remove some recognizers I don't need?

A: Absolutely! Contact CamoText@pm.me for custom versions and bulk pricing.

7. Disclaimers & Best Practices

1. REVIEW THE END USER LICENSE AGREEMENT

Use of CamoText is expressly subject to the accompanying End User License Agreement — ensure you read it in full and understand it. If you need another copy, contact camotext@pm.me.

2. DO NOT RELY SOLELY ON AUTOMATED ANONYMIZATION

This software is intended to include *human-in-the-loop review*. Always inspect the output for missed or improperly hashed terms.

3. AIM FOR THE STRICTEST PRIVACY STANDARDS POSSIBLE

If you identify entire paragraphs or other broad sections that pose a risk of re-identification due to their substance, highlight and anonymize them fully.

4. SHARING THE ANONYMIZATION KEY DEFEATS ITS PURPOSE

Do not share the key with anyone unless absolutely necessary.

5. CONSULT LEGAL OR COMPLIANCE EXPERTS

Data sensitivity and privacy requirements vary by jurisdiction and context. This tool does not replace professional counsel.

6. FILE FORMATTING LIMITATIONS

Some file types may introduce stray characters or spacing that hamper detection. Check for line-breaks or mid-word splits and correct them if they reveal sensitive data.



8. Contact & Version

- **Website:** <https://camotext.ai>
- **Email Support:** camotext@pm.me
- **Version 0.0.2**

Thank you for using CamoText!

If you have any questions or ideas on how to improve the software, please reach out.