



Ghostpress



1) About OW Shredder

1.1 What is Ghostpress?

Ghostpress is an advanced security tool which allows you to completely type secret data without giving any unwanted applications access to the key presses. Once key logger have found a way onto the PC you work with your key presses can be logged with ease. This could monitor sensitive private information such as account names or passwords. All in all this small and portable application gives private users or even companies the perfect solution to eliminate the key logger thread and type without worries no matter what key logger is running in the background.

1.2 Limitation of Ghostpress

On some systems the automatic detection may not work fully, when this occurs the application switches to a compatibility mode. This compatibility mode may require user interaction, in entering the shifted versions of your number keys (0-9). This user input is only required due to some system limitations.

We also want to mention that the process privileges may affect the protection for low level hooks. The low level hook protection only works if the key logging process is privileged while Ghostpress is not. If Ghostpress is running privileged the process privileges of the key logging process does not matter.

1.3 Acknowledgements

First we want to thank Shawn Wiebe for his continuous support and testing during the applications development.

We want to thanks AeonHack, Earn and Xertz for the controls design base which gives us the possibility to create a simple yet effective user interface.

The user interface icons that are used in Ghostpress are made by Icons8.com.

The translations are created by many people who were willing to help on this project.

2) Quick start

2.1 GUI

2.1.1 Protection

The Protection tab gives you access to enable or disable the protection with just one click on the state icon.

The lower textbox shows the current target process with the process ID.



2.1.2 Options

This panel is divided in four categories. In the first options tab page you can manually choose the language beside the detected system language. Furthermore you can decide to check for updates on every program start up. Another important setting is the "Start with Windows" setting which allows you to be protected without user interaction. Additionally, you give Ghostpress a privileged windows start to ensure even privileged keyboard hooks cannot log any data. To add or remove auto start you need the application started as administrator. There are some Windows limitations which result in problems with different system language and keyboard layouts. Therefore, is a manual keyboard setup to make it work with your keyboard if issues do occur, this option is visible if the detection did not work as expected.

The security tab page has four options. First of all you can decide to enable the delay protection. This protects you from getting identified by your typing style. There are two differences between basic and enhanced mode. The enhanced mode uses a random seed factor to give you a unique typing style on every startup and the whole random factor generation is enhanced by cryptographic functions. Process protection prevents basic attacks on Ghostpress such as non-administrators closing Ghostpress. Preventing hook overwriting is recommend since newly created low level key logger hooks might bypass the protection if disabled. The compatibility detector automatically turns off and on the protection depending on the functionality for example in DirectX full-screen games.

The third tab page lets you choose for a widget instead of a notify icon. The topmost option renders the widget over all windows. The "animated" setting gives visual feedback when you pressed a key and it was getting protected while pressing.

The last tab page allows to whitelist specific programs you do not want to protect or they are making troubles working properly.

2.1.3 About

This panel shows a linked label to check for updates manually beside of the program credits.

2.2 Command line usage

Widget mode: `<Ghostpress path> -widget`

Example: `D:\Ghostpress.exe -widget`

If there is no settings file available, the application will use the favicon, otherwise it enables the desktop widget if enabled within the main applications settings.

Portable mode: `<Ghostpress path> -portable`

Example `F:\Ghostpress.exe -portable`

This mode allows to run Ghostpress without writing any file nor saving its settings.