

Steelbox v1.04

User Manual

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1 What is Steelbox

Steelbox is a password manager that runs under your terminal with curses, it uses GnuPG for encryption.

2 How to install Steelbox

Running the install script `install.sh` will copy all necessary files to `/opt`, create a link in `/usr/bin`, and create your empty, encrypted, password file. **IMPORTANT: Do not run `install.sh` with `sudo`.** Running the install script with `sudo` will result in failure to install (The GPG agent must not be run with root, and so the installation fails), the script will ask for your password when needed. **If you're upgrading steelbox, your password file won't be changed**

2.1 Steelbox dependencies

Steelbox is written in Python, it will run under any interpreter with a python version newer than 3.10.

Steelbox uses the python module `pyperclip`, and `xclip` or `xsel` for clipboard support, it has not been tested on wayland and as such, I don't know whether or not clipboard support works in it.

You can (and are encouraged) to install `pyperclip` using `pip`, with `pip3 install pyperclip`

And while it is not completely necessary, it is recommended running Steelbox on `st` or `Alacritty` for better experience.

2.2 How to uninstall steelbox

Execute the install script as `install.sh remove`, this will remove all steelbox files from `/opt`, and the link in `/usr/bin`. The script will not remove your encrypted password file. It'll stay in `$HOME/.pasfile.csv.gpg`. If you reinstall steelbox and don't remove your password file, it will not be changed and will be used as the user's password file.

2.3 How to run Steelbox

Just run `steelbox` from your terminal, GPG will ask for your password and attempt to decrypt your file. If you mistype your password or quit GnuPG's password prompt, your password file will not be decrypted and you won't have access to your passwords. **Do not lose your main password.** There is no way to recover your passwords without it.

To run steelbox, your terminal must be bigger than 20 lines and 80 columns. If your terminal is not big enough, steelbox will quit with the message "**ERROR: Your terminal is too small!**" and you will be asked to reencrypt your password file.

3 How to use Steelbox

After correctly entering your password, you will first see the main window, and the status/help bar at the bottom, this window will list the services for which you have a password saved. You can:

- Navigate through your passwords
- View a password (ENTER or E)
- Create a new password (N or F4)
- Modify an existing password (M or F5)
- Copy the password to your clipboard (C or F3)
- Delete a password (D or Delete)
- Generate a random string (R)
- Open the help window (H)
- Quit Steelbox (Q)

3.1 Navigate through passwords

You can move around the main window with the directional keys. If you have more passwords than can fit on the screen, your list will have multiple pages. You can change your current page with PageUp/F2 and PageDown/F1.

3.2 View a password

To view a password, press ENTER. The view password window will open. You can modify, copy or delete the password in the view password window.

3.3 Create a new password

To create a new password, press N, the new password window will open, first type the service name (SRVC), then the username (USER), then the password (PSWD). **To cancel the addition of a new password, leave either the SRVC or the USER fields empty** . Press ENTER to move to the next field

3.3.1 Using random strings as passwords

To create a random password for your service, leave the PSWD field empty. A random string will be given to it as a password.

3.3.2 Setting up the length of a random string in a password

You can specify the length of a random password when creating (or modifying) one. Steelbox will recognize any integer between 0 and 45 after a colon(:). For example, if you need a random password of **16** characters in length:

PSWD::16

3.4 Modify a password

To modify a password, press M, the modify password window will open, first edit the service name, then the username, then the password. **Leaving the PSWD field empty in the modify window will give it a random string.** You can navigate through the currently selected field with:

- CTRL+A to go to the far left of the field
- CTRL+E to go to the far right of the field
- CTRL+B to move the cursor once to the left
- CTRL+F to move the cursor once to the right
- CTRL+H to remove one character (Backspace)
- CTRL+D to remove highlighted character (Delete)
- CTRL+O to clear the field

You can see these commands with in the help window.

3.5 Copy the password to your clipboard

To copy a highlighted service's password, press C. You can do this in the main window or in the View Password window.

3.6 Delete a password

To delete a password, press D. You can do this in the main window or in the View Password window. Steelbox will prompt you for confirmation, pressing anything but Y will not remove your password.

3.7 Generate a random string

If you just wish to generate a random string, you can press R. It will open a window with a random string in it.

3.8 Open the help window

To open the help window, press H. The help window has information on steelbox.

3.9 Quit steelbox

To quit steelbox, press Q from the main window. Steelbox will close its windows and you'll be asked to lock your password file with a password again. **If you quit the GPG password prompt, your password file will not be encrypted and will be visible in \$HOME/pasfile.csv.** Opening steelbox again will throw a warning saying that no encrypted password file could be found, it will then try to open the unencrypted file. Quitting steelbox and entering a password solves this problem.

4 F.A.Q.

Q: Why do I need to put my password when I enter *and* when I quit steelbox

A: To avoid saving the main password in the computer. Considering entering your password when opening still box as "unlocking" your box, and typing it when quitting as "locking" it back.

Q: Can I add a password with no service/user name?

A: Yes. You first create a password with a dummy entry in whichever field you wish to leave empty, and then modify it, leaving it empty.

Q: Can I have a service with an empty password? A: Yes. With PSWD: :0

Q: Can I migrate my password file from one system to another?

A: The password file in \$HOME/.pasfile.csv.gpg contains all saved passwords, that file can be moved from one home directory to another.

4.1 Contact

The author of this software can be contacted in kamalcuri@outlook.com.

5 Licenses

5.1 pyperclip

pyperclip's license can be found in <https://github.com/asweigart/pyperclip/blob/master/LICENSE.txt>

5.2 Steelbox

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