

Mnemonic Gateways Beta: User Manual

Beta only features

The following features are exclusively in the beta for the purpose of user testing and will be removed in release version:

1. Allowing duplicate images to be used in the user's matrix.
2. Allowing for matrix size to be smaller than 4x4.
3. Patch notes on home page (will be replaced with more useful navigation features)

Video Tutorials

Installation and account setup

[YouTube Link](#)

Adding website login details with generated password

[YouTube Link](#)

Adding website login details with your own password

[YouTube Link](#)

Changing account login

[YouTube Link](#)


Installation

The software is in its beta, so MISL is not a trusted Microsoft publisher. The app also needs to be able to create, edit and delete files. This means Windows defender can be triggered, to run the app regardless of the warning, the app must be run as admin, then "More info" should be clicked and finally "Run anyway".



Running the application

Initializing Data

If the software is stuck on the "Initializing Data"  **Help** screen, there are three problems it could be:

1. You have not run the app as admin, and it doesn't have permission to create files.
2. You are not connected to the internet and the app cannot check if the beta test is still open.
3. The app has corrupted. To fix this please remove all files associated with Mnemonic Gateways Beta and restart your computer. Then redownload the software and try again.



Welcome to Mnemonic Gateways Profile



Sync to browser



Welcome to Mnemonic Gateways

Please click "New" or "Recover" to get started!

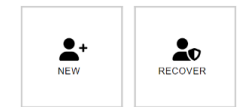
When using our browser extension for password auto fill "Sync to browser" should be clicked and on your browser the connect to app should be clicked. "Sync to browser" will change to "Sync in progress" for 60 seconds as it will attempt to sync to the browser extension.

New

Mnemonic gateway supports multiple user accounts to create a new profile click new, then fill out a username and optionally a profile picture. Click save to finish profile creation.

Recover

If you find your profile missing, recover will attempt to fix any issues in hidden profile accounts and display them.



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Add New Profile?

Name	
Profile icon	No file chosen

Save Cancel

Select Profile

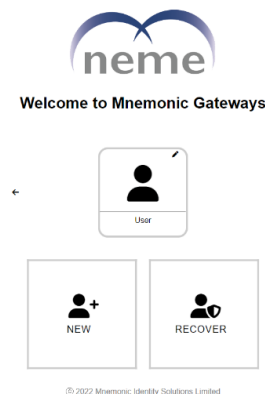
If there is a profile or profiles saved, they will be displayed at the top, click your profile to select it.

Profile Navigation

Up to three profiles can be displayed but you can have many more than three profiles saved. To navigate to the profiles the arrows on the side should be clicked to move either one profile to the left or right.

Edit Profile

Clicking the pencil will bring up the profile editor, the profile name and the profile picture can be modified.



Edit Profile?

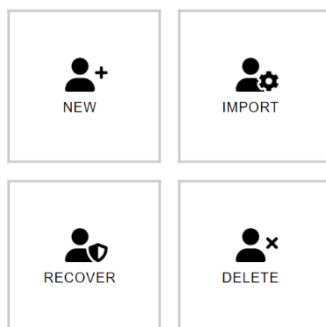
User	
Profile icon	No file chosen

Save Cancel

Welcome to Mnemonic Gateways User



Welcome to Mnemonic Gateways



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New

When opening the app for the first time, new should be selected to start creating an account.

Import

If moving your data from another computer, on PC1 export should be clicked [*See Export Data](#), the ZIP moved to this PC, import selected and then the ZIP file selected.

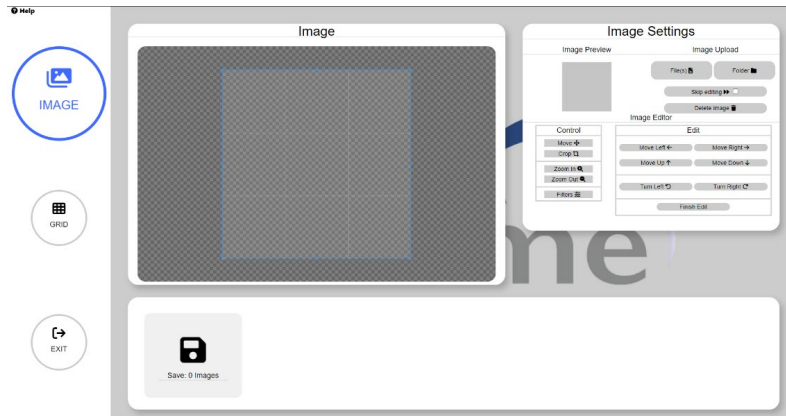
Recover

If you have been using the app for a while and you find yourself here, your files may have corrupted. Recover will try to find your last useable session and restore it.

Delete

Delete removes all your files and puts the app back into factory reset bringing you back to this page again.

Process of Image Setting (EPS Creation)



The purpose of the EPS creation is to create a login screen (grid) with images of your choice arranged in a matrix in the size of your choice.

Help

Pages

Image

Clicking takes you to the image editor. Images can be added, edited, and saved.

Grid

Clicking takes you to grid editor. Different grid sizes can be chosen where different images can be added and removed.

Back

Clicking takes you back to the welcome page when first launching the application.

Image Editor

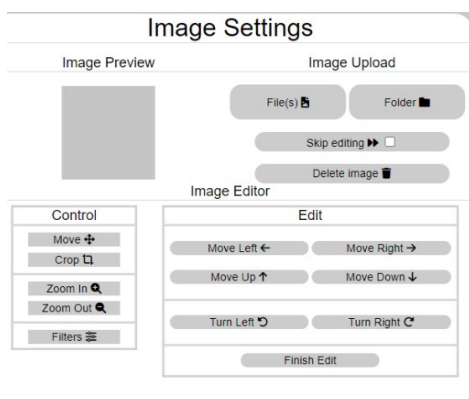


Image Upload

You could use the memorable images associated with your personal pleasant experiences. Your login powered by your non-volatile episodic image memory would be 'failure-free'.

Files

Clicking files will allow you to upload a single or multiple images.

Folder

Clicking allows you to select a single folder where all the images in the selected folder will be uploaded.

Skip editing

If you would like to save all your images without editing them clicking Skip edit. It will automatically move all your images to the bottom bar. This can be used before or after uploading your images.

Delete Image

If you no longer want to save an image clicking delete image will remove it from the editing window.

Image Preview

The Image preview window shows what the image will look like when the finish button is clicked.



Edit

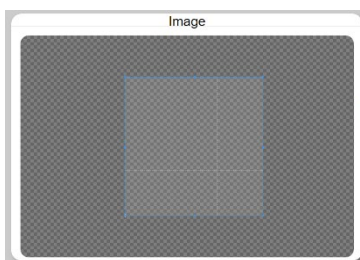
These controls change the position of the image on the canvas.

Control

The move and crop tool should be clicked when you want to switch between tools when dragging on the image. The zoom in and out changes the position of the image. The filters button opens a popup which allow you to modify the image with various filters all using sliders to easily allow for things like brightness and saturation to be modified.

Filter

Joyful Image Manipulation planned features: Morphing, Line Drawing Extraction, Manga Effect, Oil Painting Effect, Watercolour Effect, and some more self-entertaining image manipulations. These features are not just for joy but also have positive security effects.



Image

The blue box can be resized by dragging the sides. The box can be moved by dragging it. The image can be zoomed in and out on by the scroll wheel.

Finish

When an Image has been uploaded the Finish button will appear. When the image has been edited to completion Finish is clicked and the completed image will be placed on the bottom bar.

Image Bar

The bottom bar holds all the completed images.

Save

To save your image selection for later use select save Images.

Settings

To access setting for each image you must hover the mouse over the image you would like to edit:

Add

To add images to the grid [*see Grid](#) select the tick.

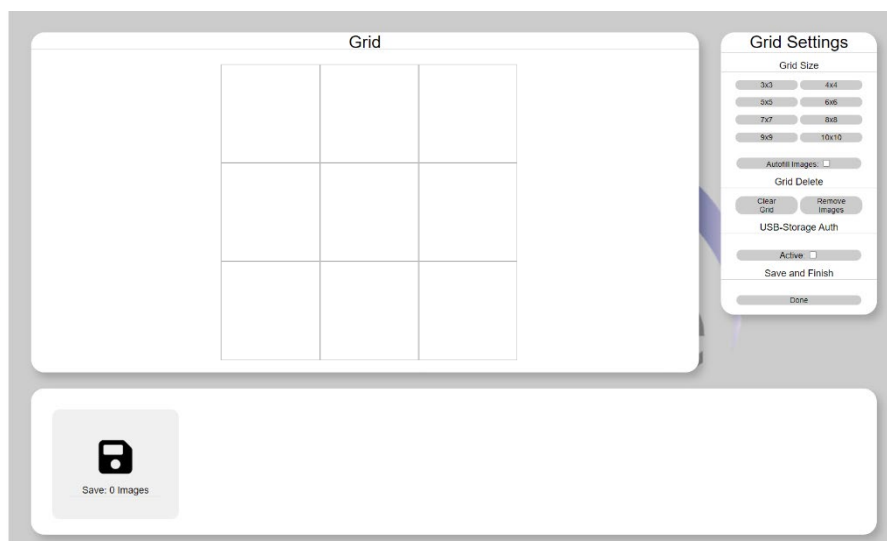
Edit

To re-edit the image, click the pencil. This will send it back into the image editor when it can be re-cropped and saved again.

Delete

To delete the image from the bar, click the bin. If you want it to be deleted permanently you must also click Save Images.





Grid Size

The Grid size is selected using these different buttons. To complete setup you must save as many images as your chosen grid size requires.

Autofill Images

Auto fills the first images along the bar to fill the grid or until all the images on the bar have been used.

Grid Delete

Clear Grid

Clear grid completely removes the grid from the page.

Remove Images

If you would like to populate the grid yourself then remove images keeps the same grid size but removes all the images from it.

USB-Storage Auth

To use a USB storage device as a hardware key, click active which will bring up a popup where you can select the USB(s) that you would like to use as a hardware key.

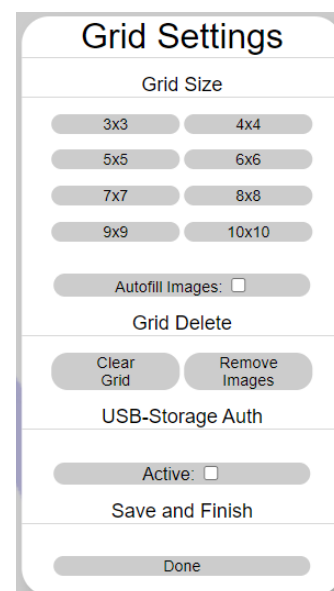
Done

When all the spaces on the grid have been filled Done will save them to the grid and move you on the next page.

Grid

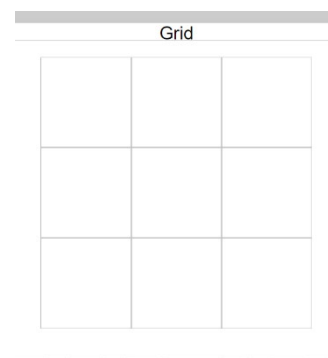
The Grid allows you to preview what images are currently going to be on your grid. To remove a specific image from the grid you must click it.

Do not worry about the placement of each image as when logging in it randomises where each image goes each time.



Select USB storage

E: Large-Store: ☒



Logging In



Mnemonic Gateways

Typing Mode:



Image Size: 60

Submit



Image Grid

First Time Setup

To create your login to the Mnemonic Gateways you must click the images on the grid. A blue border will appear around them when they are selected. If you click the image again it will be deselected.

Logging in

To login you must pick the same images you originally selected again.

Settings

Typing Mode

The typing mode switch can be turned on, this mode is provided for if you are in a busy environment or know your being watched. This will give each image a unique 2-digit hex value. For the images you would like to select type the values into the input box and then click submit.

Image Size

If you would like to see the images on the grid become smaller the slider should be dragged to the left and to see the images become larger the slider should be dragged to the right

Submit

When your images have been selected the submit button will verify if you have got them correct or incorrect. If incorrect you will be allowed to try again. If correct you will be taken forward.



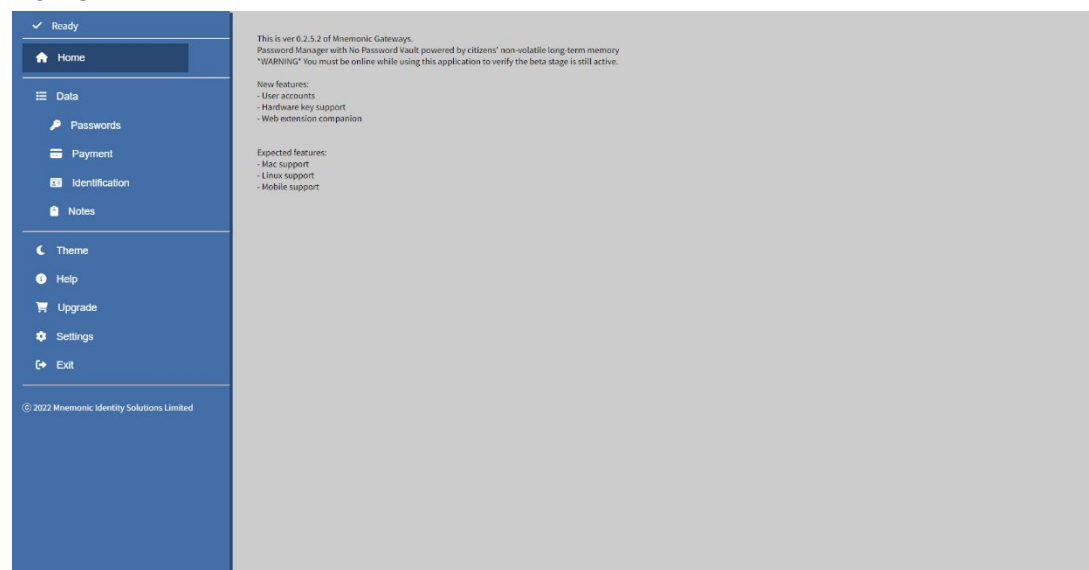
Typing Mode:



Image Size: 60

Submit

Home



Side Menu

Ready

This will change to “Loading...” or “Ready” depending on the status of the software. It is safe to shut the software if it says “Ready” at the top.

Home

The home button displays some general information about the application like the current patch notes.

Data

Passwords

The section to view all your passwords and credentials related to websites. The username, email, phone number, security questions and password can all be stored for a website.

The passwords shown now would be eliminated when the program is shut down. They no longer exist anywhere in the universe although they will be recovered when you have logged into this program next time. All the data other than passwords will be encrypted with a high-entropy key generated from the large data of all the images you registered.

Payment

Payment methods such as credit cards, debit cards and certain gift cards can all be stored here.

Identification

Three forms of ID can be stored. Currently we support Passports, Drivers Licence and for UK Pass Card. Although you cannot use our app to verify your ID, we can be used to store the data on them for example your ID number if you need it while online.

Notes

Any ideas you have or things you need to remember that you need a high level on encryption on and cannot be stored in any of the other categories can be stored in the notes section.

Theme

We offer a light theme accompanied by a dark theme.

Upgrade

Clicking upgrade currently takes you to our website. When the software has left the beta stage this will take you to the store page to upgrade your licence.

Settings

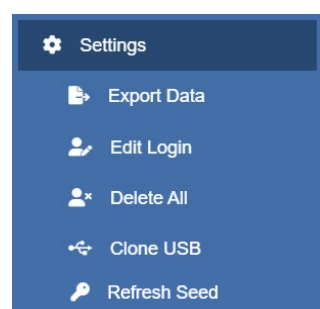
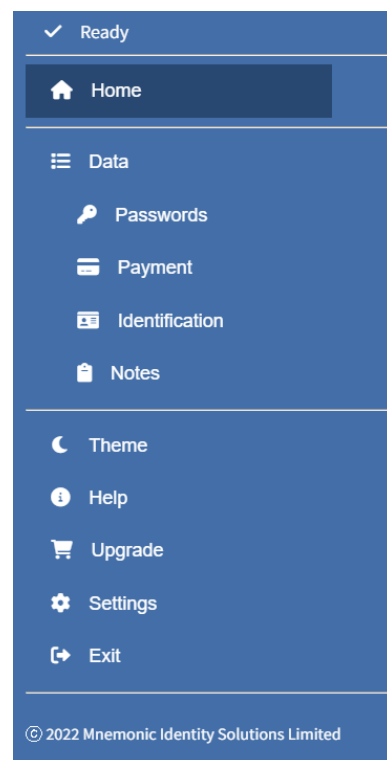
Settings can be clicked to reveal a submenu of more options.

Export Data

Export data should be chosen if you would like to delete the app and move your data to a new installation of the application. It will bring up a prompt to choose when the exported ZIP file should go and also requires a name. The data can be then imported to the new app [*See Import](#).

Edit Login

Edit login should be chosen if you would like to change the images you use to login or change the correct images in your selection. You will be brought back to the image uploader. Your passwords will not change.



Delete All

Delete all removes all your user data including backups and completely factory resets the app taking you back to the menu you see when first launching the app.

Clone USB

To allow a different USB to log you in, plug in the USB you used to login and the USB(s) you would like to be able to login with. Then click clone USB and select the USB(s) you would like to use.



Refresh Seed

The login algorithm is changed, but your login input and all the data saved stays the same.

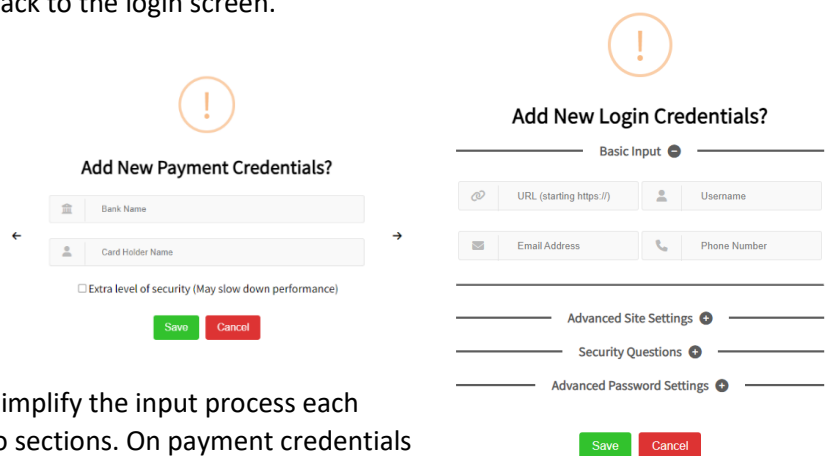
Exit

Exit logs you out of the app and takes you back to the login screen.

User Data

Selecting Data

To add new data the large plus button should be picked. On the identification page you choose which form of ID you would like to add before.



Data Navigation

Some of the input forms have a lot of inputs many of which are not required. To simplify the input process each category of data input has been split up into sections. On payment credentials and some ID there are 2 arrows either side of the data input which are used to navigate further in the form or go back. For passwords and some ID there are titled sections. To change sections the title with the plus sign should be clicked to open it.

Data Input

When inputting data for any category each input box will show you what is expected input and the format that it's expected to be in.

There are 5 special inputs where you do not input text.

Password

Generating a new password

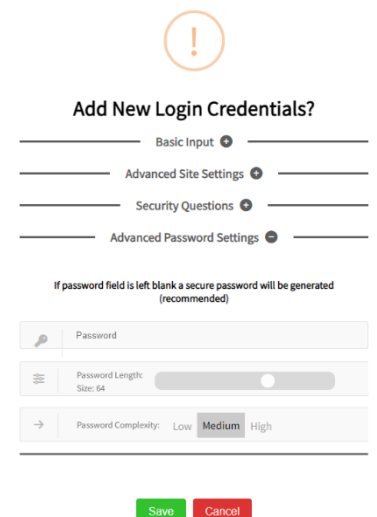
The app is designed to generate a custom password, and this will happen if the password section is left blank.

Custom password

However, if you would like to use your own password for a certain website filling in the password field will make the app generate your password instead of a custom one.

Password Length

The password length can be adjusted by the slider. The longer the password the stronger the password, however some websites have a max password length cap, and this differs from site to site. Some older websites have a cap of 16 characters. This method allows you to set up the best possible password for any site.



Password Complexity

Ideally all passwords should be set to high as it makes the output use the Unicode alphabet which includes characters from different languages and includes special symbols and characters. Some websites and especially older sites do not allow characters from different alphabets so medium and low can be selected.

File Upload

For ID and passwords, you have the option to upload a photo. Click the box saying no file chosen and then find the image you want to use. If this box is not filled in on the password section, the app will attempt to find the icon for the website.



Extra Level of security

For payment, identification, and notes where there is no password you can choose the option to encrypt your data, so it needs to be decrypted again after all your other data has been decrypted once. ☐ Extra level of security (May slow down performance)

Save and Cancel

When you have finished inputting data if you are finished click save. If at any point you are not happy and don't want it to be saved clicking cancel will not save any of the input data.



Viewing Data

Copy Data

To copy any of your data you need to click it. When clicking the password, it will generate it for you. The data is only copied to your clipboard for 60 seconds. This helps to prevent people looking into your clipboard later and stealing your password.

View More

For passwords only there is an ellipsis which when clicked will show extra data such as the phone number and security questions.

View Basic

For passwords only when the ellipsis has been clicked to go back to view surface level data the arrow pointing straight right should be clicked.

Change Password

For passwords only when you want a new password the round arrow should be clicked, and it will give a prompt checking you are sure you want to change your password. If you need to get your old one again later the most recent password change is stored on the "old password".

Edit Data

If you would like to modify any data clicking the pencil tool will bring up a screen like the data input screen [*See Data Input](#). Any boxes you would like to keep the same should just be left.

Delete Data

To Delete data the bin tool should be clicked. It will bring up a prompt to check you are sure and then it will remove it from your file.

