

Mooltipass Mini User Manual



Mooltipass Mini User Manual Table of Contents

Mooltipass Mini Device	3
I) Getting Started.....	3
II) Password Storage and Recall	5
III) Manual Login.....	6
IV) Manual Login – Favorite Menu	8
V) Settings Menu	9
VI) Changing the Card PIN	10
VII) Cloning your Card.....	11
VIII) Deleting Your User Data from the Mooltipass.....	13
Mooltipass Browser Extension	15
I) Extension Menu.....	15
II) Device Status	15
III) Password Generator and Credential Storage.....	16
IV) Selecting Custom Credential Fields.....	16
V) Extension Settings.....	17
VI) Reporting Incompatibilities.....	17
Mooltipass Application.....	18
I) Launching the App.....	18
II) Device Settings Tab	18
III) Synchronization Tab	19
IV) Credentials Tab	19
V) Credentials Import and Advanced Settings.....	20
Synchronizing New Mooltipass Devices	21
Native Integration without Browsers	21
Best Security Practices	21
Contact, Support	21

Mooltipass Mini Device

I) Getting Started



Connect your Mooltipass Mini to your computer using the micro USB cable you received. Once connected, a tutorial will be shown on the mini screen.

After you complete the tutorial, you will see the Mini's splash screen (left).



To get started, you need to set up a new Mooltipass user.

Simply insert one of the cards you received into the Mooltipass Mini.



The Mooltipass Mini will prompt you to create a new user.

Click the wheel to accept the request. Scrolling to the cross icon and clicking, or holding the wheel button (a "long click") will deny the request.



Next, you will setup your Personal Identification Number (PIN). Each of the four PIN characters can be one of the digits 0-9 or one of the letters A-F.

Scroll the wheel to select the desired character and click to move to the next position. A long click will go back one position to let you change the previous character.



Re-enter the same PIN you selected to confirm it.



When you finish selecting a PIN, the main menu will be displayed.

Congratulations, your Mooltipass Mini and the smart card are set up and ready for use!

II) Password Storage and Recall



While the Mooltipass works out of the box with any device, our app and extension simplify it even further on web browsers.

For installation instructions, visit
<http://www.themooltipass.com/setup>

After installing, simply visit any website login page and enter your login and password. The Mooltipass Mini will then ask if you want to store the website, login and password.

Credentials can also be added directly using the "Credentials" tab in the Mooltipass App.



Press the wheel to approve storing your user ID.

To protect your information, the Mooltipass Mini always asks you for permission to use or change the information you have stored in it.



This means you will need to manually approve password changes on the device.

Now that the website and credentials have been stored, every time you need to login to this website, the Mooltipass Mini will ask your permission to enter your credentials for you.

III) Manual Login



Manual Login is generally used to enter credentials when you need to sign in without Google Chrome, Firefox or Safari browsers.

In the main menu, scroll to 'login' and click on the wheel.



Use the wheel interface to scroll to the service you want to log in to and click the wheel to select it.

You can scroll by letter instead of service for quicker access in long lists – just push and hold the wheel button while scrolling to skip from letter to letter.



If more than one credential set is stored for a given website, you will be prompted to select the desired login using the wheel interface.



The Mooltipass Mini will then prompt you for permission to send your username to the computer.

If the typed username isn't correct, make sure your keyboard layout is correctly selected in the settings tab of the Mooltipass app.



The Mooltipass will then prompt for permission to enter your password.

IV) Manual Login – Favorite Menu



The Mini provides a “Favorites” menu for quick access to your most commonly used credentials. To select which credentials are 'favorites' use the 'credentials' tab of the Mooltipass app.

In the main menu, select the 'favorites' item to show your favorite credentials.



Select the desired credential set using the wheel interface.



As before, approve or deny the username/password entry requests.

V) Settings Menu



The Mini has an embedded settings menu that provides some important features.
From the main menu, select the 'settings' item.



You will be presented with different options, which are outlined below.

VI) Changing the Card PIN



In the settings menu, select the 'change pin' item.



Enter your old PIN.



Enter your new PIN.



Confirm your new PIN.

VII) Cloning your Card



If your card is lost or destroyed, you'll need a 'clone' of your card to access the credentials **stored inside the device**. We recommend that you make a clone of your card and keep it in a safe place, just in case.

In the settings menu, select the 'clone card' item.



Enter your PIN.



Enter the desired PIN for the new card. It can be the same as your main card, but this is not required.



Confirm the PIN for the new card.



Remove your old card.



Insert a new (empty) smart card. It will be initialized with the contents (encryption key) of your old card, and the new PIN you just selected.

VIII) Deleting Your User Data from the Mooltipass



In the settings menu, select the 'erase' item.



The Mooltipass will prompt you for confirmation that you really do want to delete all user data.

Please note that this operation deletes all the credentials stored for this user in this Mooltipass Mini. It doesn't delete credentials stored for this user in other Minis or credentials stored in this Mini for other cards.



Enter your PIN.



If you are really sure you want to delete your user data from the Mooltipass Mini, confirm again.



If you are using your current smart card on other Mooltipass devices, it is important that you **deny** the request to erase the card – if you do erase the card, it can no longer be used to access any saved credentials on those other devices!

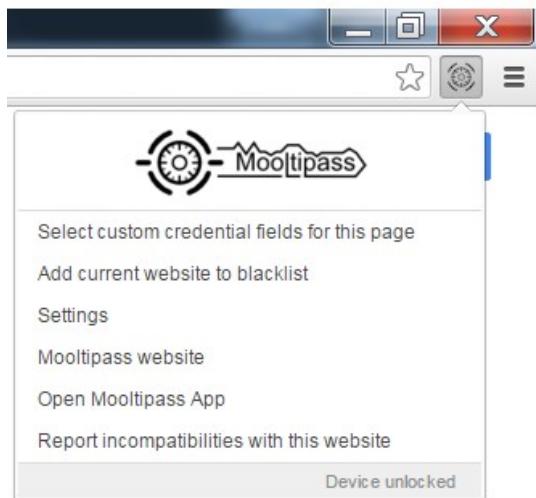
Otherwise, accept it. This blanks the card, as though you just took it out of the box.



If you erase your original card and have clones of it that you no longer need, you should erase them, too. Approve this request and repeat the previous process to erase the cloned cards as well.

Mooltipass Browser Extension

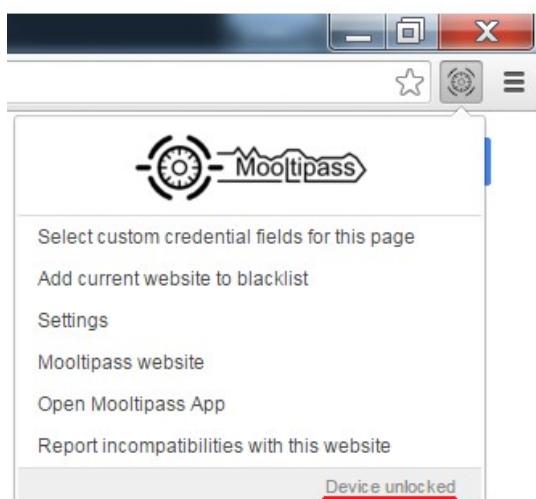
I) Extension Menu



In Chrome, Firefox or Safari, the Mooltipass icon may be found next to your address bar.

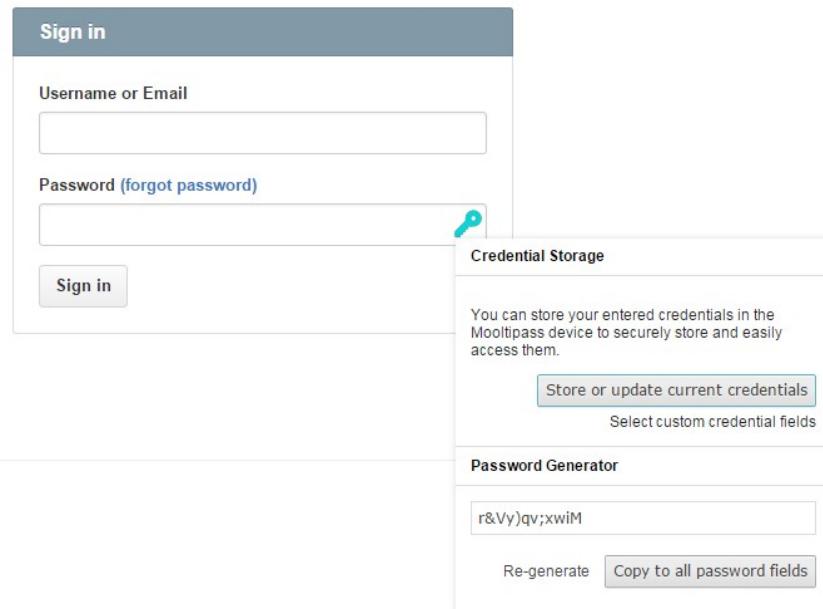
Clicking on it will display a menu.

II) Device Status



The device status is displayed on the extension menu bottom right corner.

III) Password Generator and Credential Storage



By clicking on the key icon inside a password field, you can bring up the Mooltipass password generator.

In the rare cases where the extension doesn't pick up a credential submit event, you may also use this menu to manually trigger a credential storage procedure.

IV) Selecting Custom Credential Fields

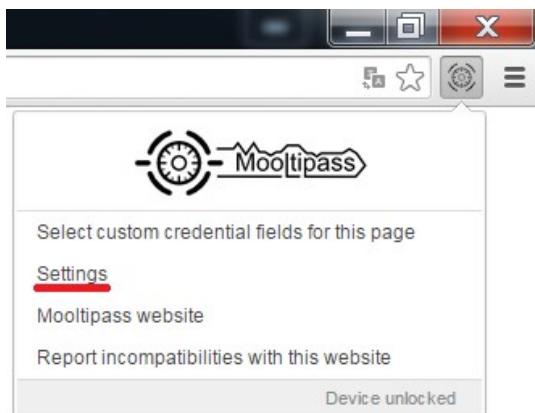
A screenshot of a web browser displaying a GitHub login page at https://github.com/login?return_to=%2Fjoin#. The GitHub header includes 'Search GitHub', 'Explore', 'Features', and 'Enterprise'. A context menu from the Mooltipass extension is open, with items 'Select custom credential fields for this page' (underlined in red), 'Settings', 'Mooltipass website', 'Report incompatibilities with this website', and 'Device unlocked'. Below the browser window, the GitHub login form is visible with fields for 'Username or Email' and 'Password (forgot password)', and a 'Sign in' button.

The Mooltipass extension searches for credential fields in the web pages you visit. When it finds them, it displays a key icon in the password field, as shown above.

In the rare case the credential fields aren't picked up, you may tell the app about them by clicking this item in the extension menu.

Follow the on-screen instructions to select the username and password fields

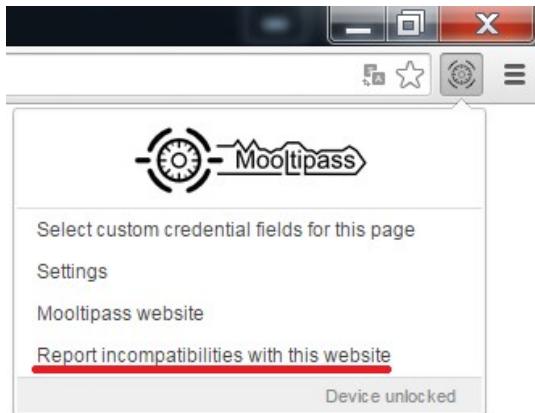
V) Extension Settings



You may bring up the Mooltipass extension settings page by clicking on the dedicated item in the extension menu.

Among other things, the settings page will allow you to manage your blacklisted websites and the ones for which you have stored custom credential fields.

VI) Reporting Incompatibilities

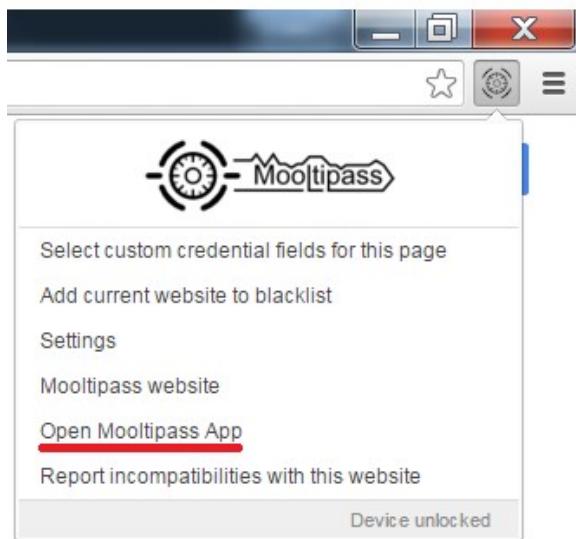


The Mooltipass team actively works to ensure the extension works with all the websites you visit. If you find a website that it does not work with, we'd like to know about it.

To report an incompatibility, please click on the dedicated link in our extension menu.

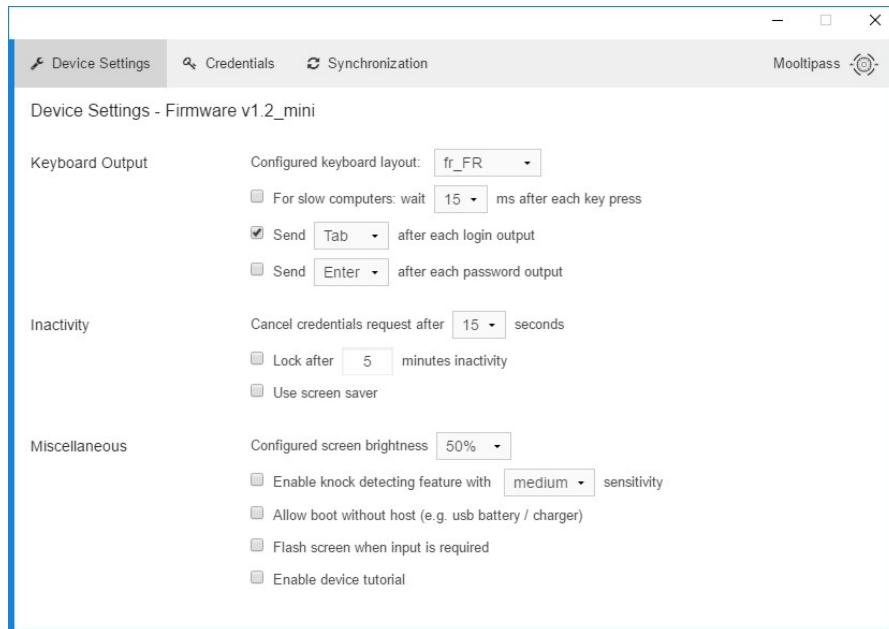
Mooltipass Application

I) Launching the App



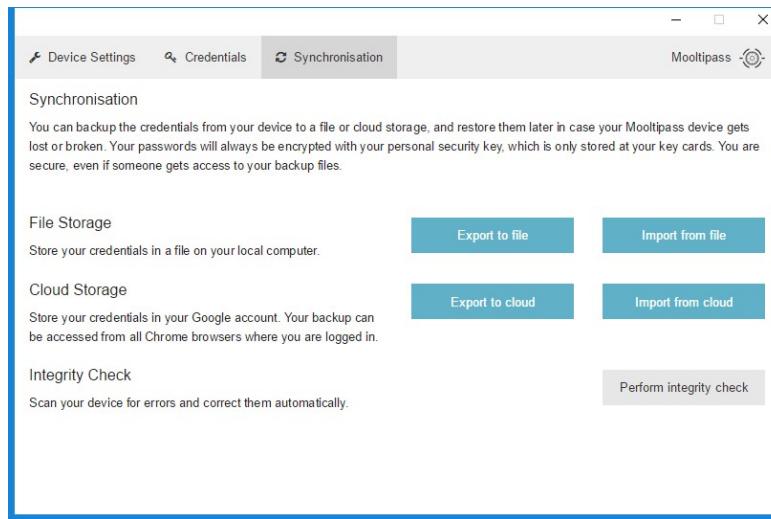
You can launch the Mooltipass App from the Mooltipass Extension menu by clicking on the corresponding item.

II) Device Settings Tab



The Mooltipass App has three main tabs: device settings, credentials and synchronization. The device settings tab allows you to change your Mooltipass' main settings. It's important that you select the keyboard layout you're using. The default is for the USA.

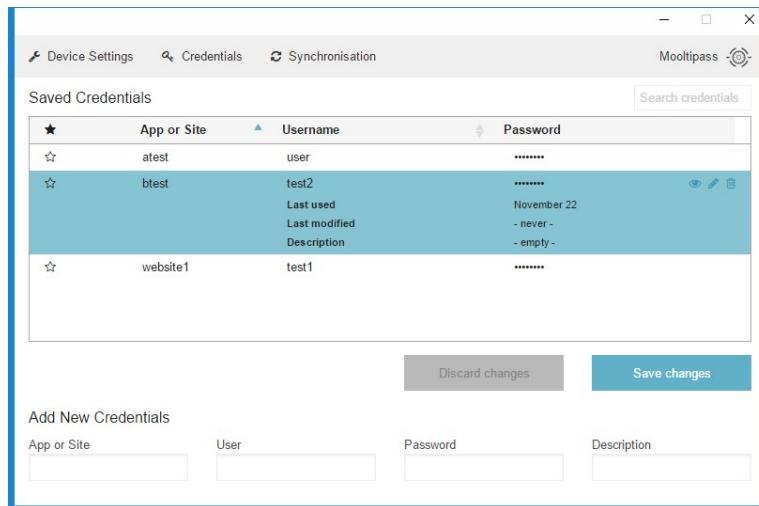
III) Synchronization Tab



The different buttons in the synchronization tab will allow you to backup and restore the credentials you have stored inside the Mooltipass Mini memory. For these operations, you may choose to either use a local file or the cloud storage **associated with your Google account**.

Do not click on the 'Perform integrity check' button unless instructed to do so by the Mooltipass support team.

IV) Credentials Tab

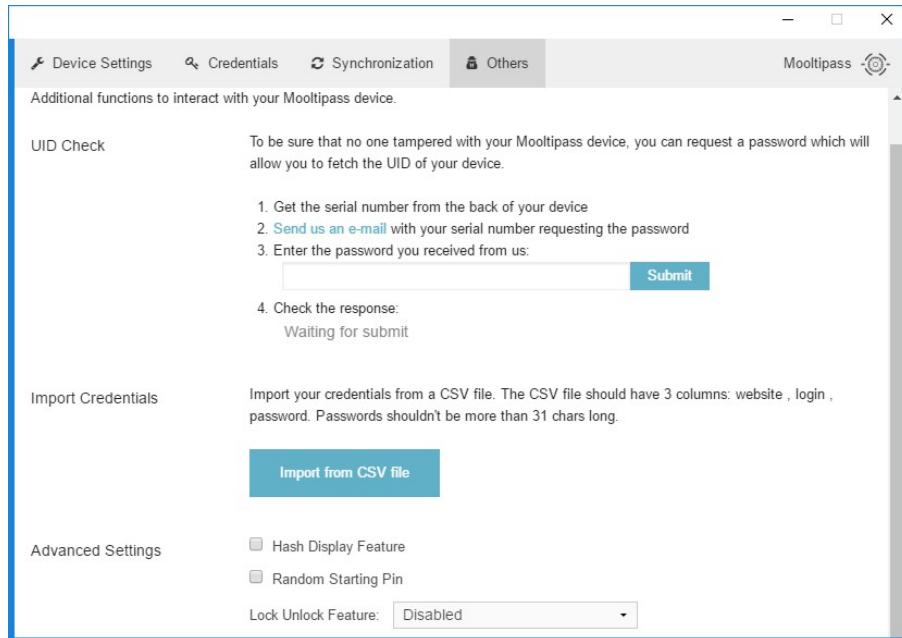


Click on the 'Enter Credentials Management Mode' button to manage the credentials stored inside your Mooltipass Mini.

Single clicking on a credential line shows its details. To display the password, click on the eye icon and use the wheel on the Mooltipass Mini to confirm the request. You may edit your credentials by either clicking on the pen icon or by double clicking on the credential line.

Once your credential is edited, press the enter key to confirm your input or the escape key to cancel it. Don't forget to approve the modification requests on the Mooltipass when saving changes.

V) Credentials Import and Advanced Settings



Power users may press **ctrl-l-i-m** inside the Mooltipass App to display the ‘others’ tab in which they’ll be able to access advanced functionalities and settings.

UID Check functionality allows you to make sure your device wasn’t tampered with during shipping. By sending us an email with your serial number, you may request a password allowing you to check a unique identifier stored inside your Mooltipass Mini.

You may import multiple credentials stored inside a CSV file by using the Import Credentials feature. Please make sure the credentials are **correctly formatted and in ASCII format**. The Mooltipass Team however recommends you to **avoid using this feature** when migrating to the Mooltipass, as this is a good occasion to manually change your previous passwords one by one, triggering credential save events.

When enabled, the Hash Display Feature will display one hash string before and after unlocking your smartcard. By checking that these hashes do not change over the life of your device you can make sure your Mooltipass Mini isn’t tampered with. You may read more on this topic in [this document](#).

The different options inside the Lock/Unlock Feature list allow you to specify if a login and/or password should be sent when unlocking your smart card. The Mooltipass Mini will then send a credential stored inside an ‘_unlock_’ service in your database, if present. You may also select which (if any) key press should be sent when removing the smartcard from the Mooltipass Mini, for example, to lock your computer.

Synchronizing New Mooltipass Devices

To store your credentials on one or more additional Mooltipass devices, begin by making a backup of the data stored on your original device using the synchronization tab inside the Mooltipass App. Simply select one of the two options displayed to you and approve the requests on your Mooltipass. To import this backup on other devices, insert your Mooltipass card in them and use the Mooltipass App again. When you use more than one Mooltipass device, you can use the different options in the synchronization tab to keep your Mooltipass units synchronized.

Native Integration without Browsers

The Mooltipass team is working to support other browsers and applications besides Google Chrome, Firefox or Safari. As this project is mainly made by contributors you are welcome to contact us on #mooltipass on freenode.net if you are interested in giving us a hand.

In the meantime, you may read the previous sections of this user manual (Manual Login, Chrome Application Credentials Tab), which explain how you can use the Mooltipass as a keyboard to type your credentials for you, without needing to install any additional applications.

Best Security Practices

To avoid any loss of data, these practices are highly recommended:

- Make at least one clone of your Mooltipass card
- Make multiple backups of your credentials database and store them in multiple places
- Enter your PIN discreetly so that no one can see it by looking over your shoulder
- Change your card's PIN and the passwords you use for important websites on a regular basis

Contact, Support

Have a look at the Frequently Asked Questions on <http://www.themooltipass.com/setup>. If you don't find the answer to your question there, contact us at support[at]themooltipass[dot]com.

Mooltipass Mini Specifications

- Device size: 79 x 37 x 12mm
- Working voltage: 4.75V to 5.25V
- Current consumption: up to 0.5A
- Communications: USB 2.0 full speed
- Internal Memory: 8Mb
- USB connector: micro
- Case material: Anodized Aluminum
- Smart card support: AT88SC102
- Touch interface type: clickable scroll wheel
- Display: 128x32 pixels monochrome 2.23" blue OLED screen