

Mooltipass Mini User Manual



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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.

After scrolling through it this screen is displayed.



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

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



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

Click on the wheel to accept the request. Scrolling to the cross icon and clicking or applying a long click on the wheel denies 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 correct digit and click to move to the next one. A long click will go back one position.



Use the interface to input the same PIN you previously entered.



When the process completes, the main menu will be displayed to you.

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

II) Password Storage and Recall



While the Mooltipass is easy to use with any device, our app and extension make the process even easier on web browsers.

To install them, visit
<http://www.themooltipass.com/setup>

Visit any website login page; 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 directly added through the Mooltipass App in its Credentials Tab.



Press the wheel to approve storing your user ID.

To keep the bad guys out, the Mooltipass Mini always asks you for permission to use or change information you have stored in it.



You will therefore need to manually approve password changes on the device.

From now on, 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 outside the Google Chrome, Firefox and 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.

You may keep the wheel pressed while scrolling to jump through different services first letters.



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



The Mooltipass Mini will then prompt you to enter your username.

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



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

IV) Manual Login – Favorite Menu



To set up 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



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



You will be presented with different options.

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**. You should therefore 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 PIN for the new card. It can be the same as your main card but doesn't have to be.



Confirm the PIN for the new card.



Remove your card.



Insert a new smart card.

VIII) Deleting Your User Data from the Mooltipass



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



The Mooltipass will prompt you for confirmation.

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.



If you are using your current smart card on other Mooltipass devices, deny the request to erase the card.

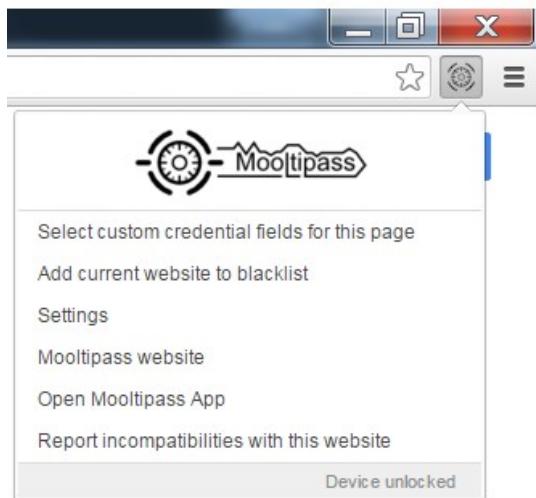
Otherwise, accept it.



If you erase your original card and have clones of it, you should erase them, too. Approve this request and repeat the previous process to erase the clones as well.

Mooltipass Browser Extension

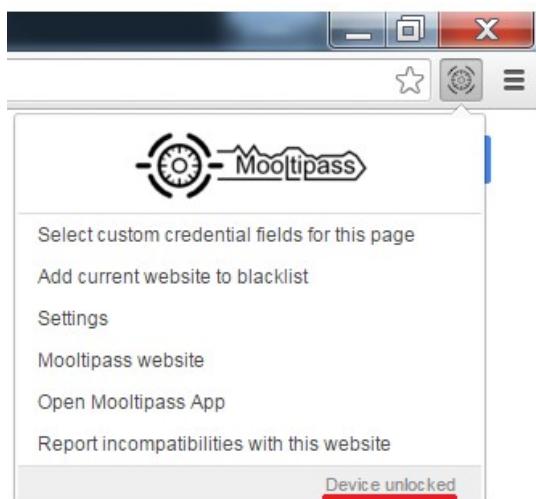
I) Extension Menu



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

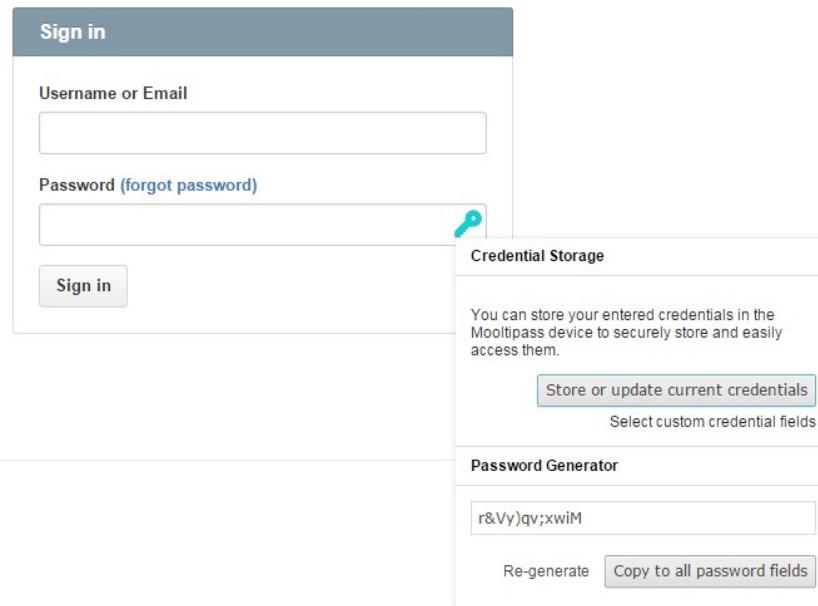
Clicking on it will display its menu.

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 green 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

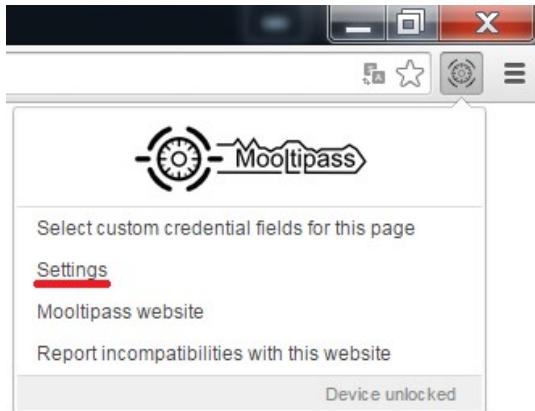
A screenshot of a web browser showing the Mooltipass extension menu. The menu items include 'Select custom credential fields for this page' (which is highlighted with a red underline), 'Settings', 'Mooltipass website', and 'Report incompatibilities with this website'. Below the menu, a status bar says 'Device unlocked'. At the bottom, a GitHub login page is shown with a tooltip '1. Choose a username field' pointing to the 'Username or Email' input field.

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

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

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

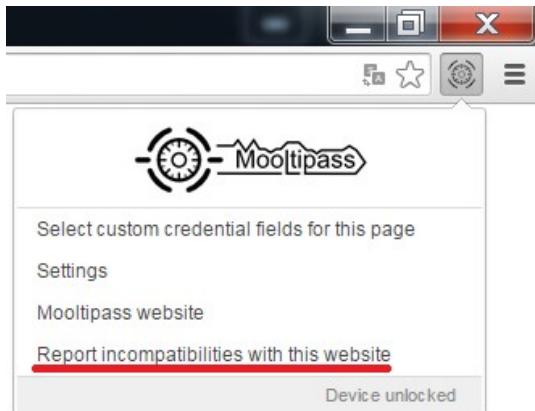
V) Extension Settings



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

Among others, 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

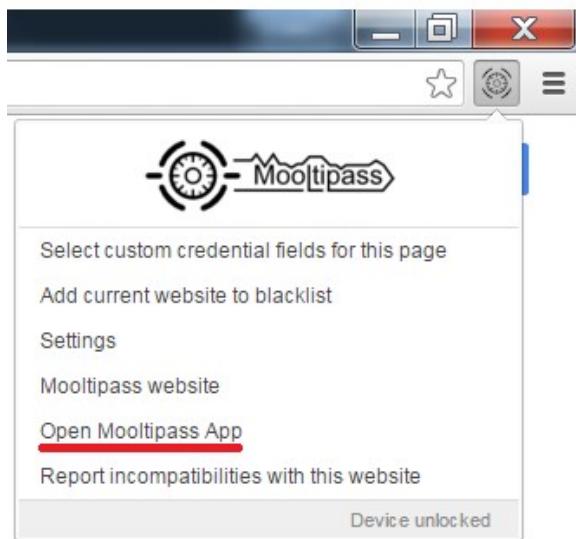


The Mooltipass team actively works to ensure the extension works with all the websites you visit. If you find a website that it does not work with, we'd like to know about it.

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

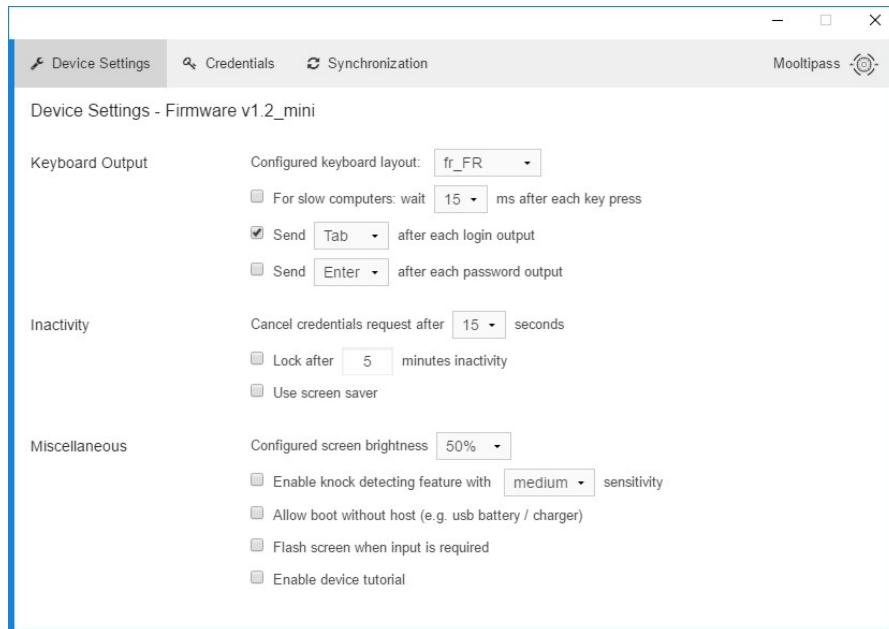
Mooltipass Application

I) Launching the App



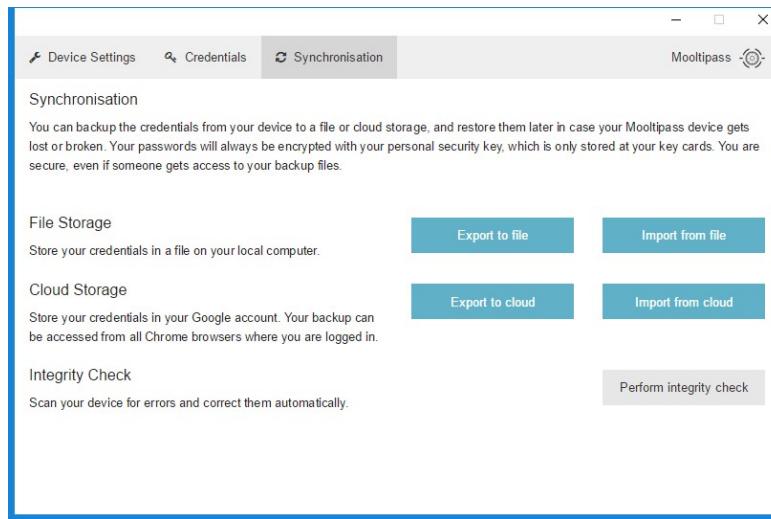
You can launch the Mooltipass App from the Mooltipass Extension menu by clicking on the corresponding item.

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.

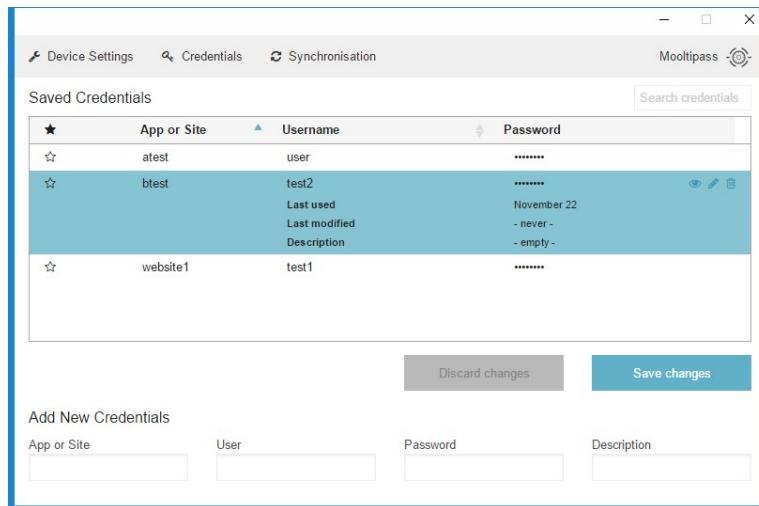
III) Synchronization Tab



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

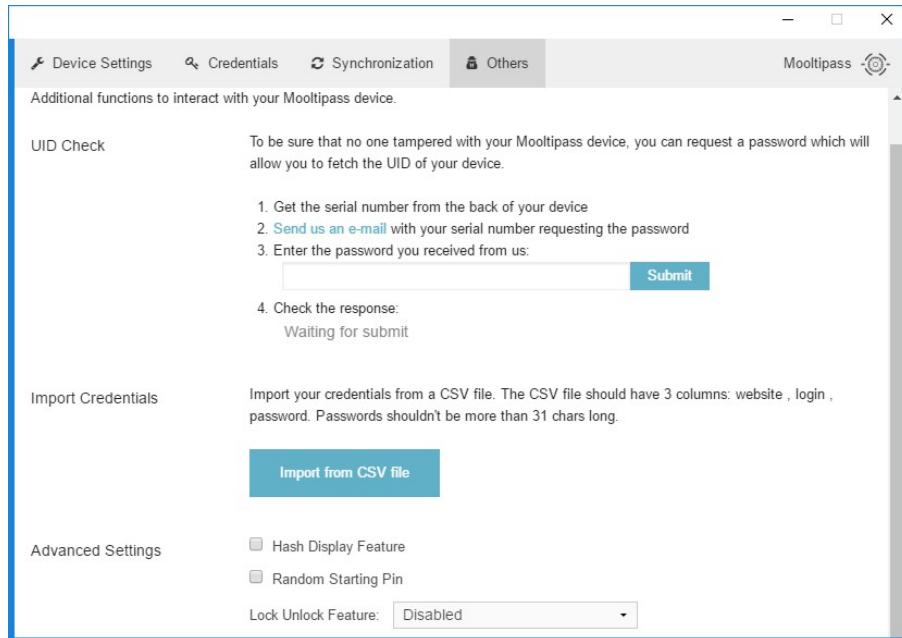


Click on the 'Enter Credentials Management Mode' button to manage the credentials stored inside your Mooltipass Mini.

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 password modifying 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, and rather use this occasion to manually change one by one your previous passwords, 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 key press should be sent when removing the smartcard from the Mooltipass Mini.

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 than 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.

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 on multiple devices
- Enter your PIN discreetly on the device so that no one can see it
- 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