

Mooltipass User Manual



Mooltipass User Manual Table of Contents

Mooltipass 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 Chrome 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 Chrome Application	18
I) Launching the App	18
II) Device Settings Tab	18
III) Synchronization Tab	19
IV) Credentials Tab	19
Synchronizing New Mooltipass Devices	20
Mooltipass Use without Google Chrome	20
Mooltipass Conversion for Arduino uses	20
Best Security Practices	21
Contact, Support	21

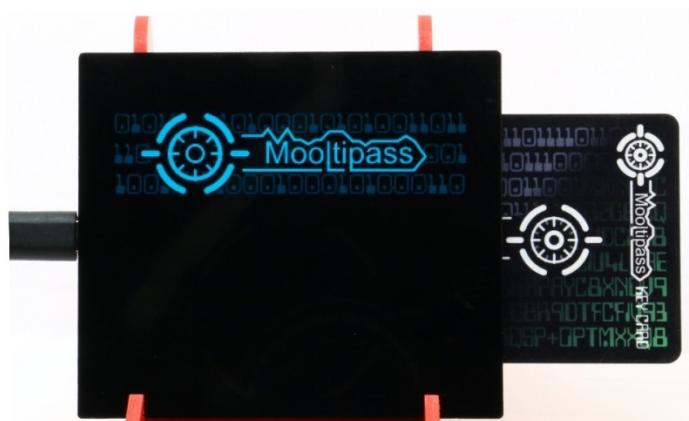
Mooltipass Device

1) Getting Started



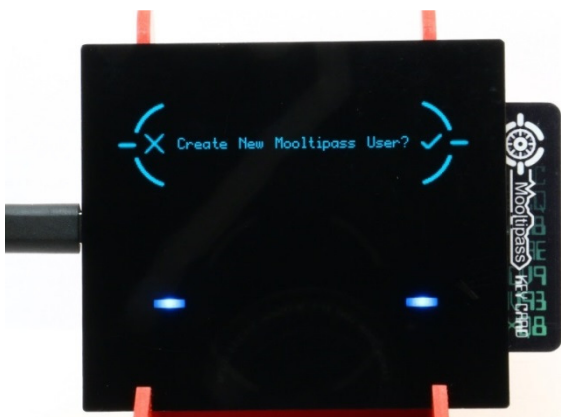
Connect your Mooltipass to your computer using the micro USB cable you received. Once connected, a tutorial will be shown.

After following its instructions 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.



The Mooltipass will prompt you to create a new user.

Press on the lower right blue light to accept the request. Pressing the lower left one denies the request.



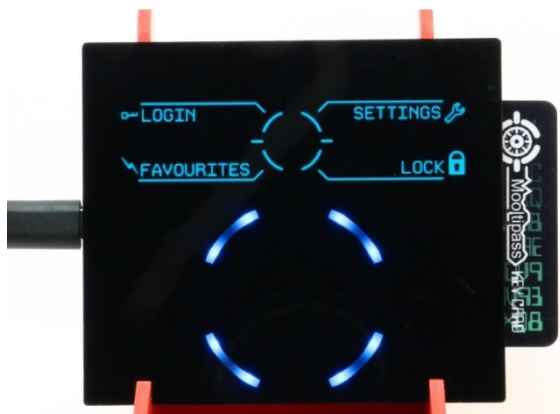
Next you will setup your Personal Identification Number (PIN). Each of the four PIN characters can be one of the digits 0-9 or one of the letters A-F.

Move your finger in a circle **inside** the curved blue lights to set the first character of your PIN. Touch the right blue light to move to next PIN character.

When the 4th character is selected, press right to approve your new PIN code.



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



If everything went well, the main menu will be displayed to you.

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

II) Password Storage and Recall



The Mooltipass works best with our app and extension on the Chrome browser. To install them visit <http://www.themooltipass.com/setup>

Visit any website login page; enter your login and password.

The Mooltipass will then ask you if you want to store the website, login and password.



Touch the lower right blue light to approve storing your user ID.

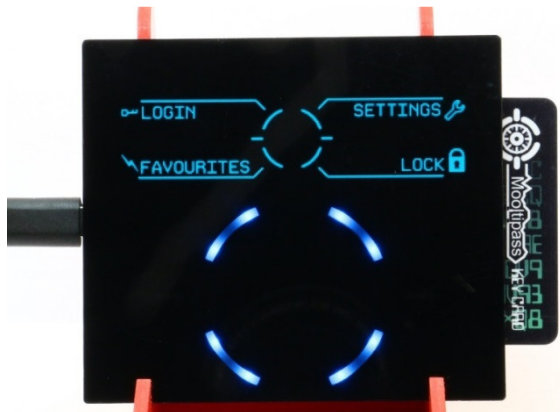
To keep the bad guys out, the Mooltipass always asks you for permission to use or change information you have stored in it.



Finally, approve the password modification.

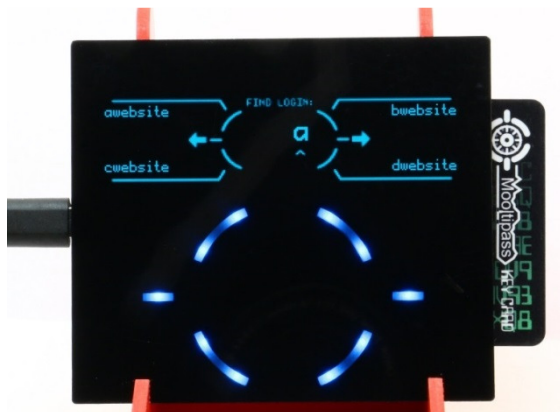
From now on, every time you need to login to this website, the Mooltipass will ask your permission to enter your credentials for you.

III) Manual Login



Manual Login is generally used to enter credentials outside the Google Chrome browser.

In the main menu, press the top left quadrant.



Use the wheel interface to input the first letter of the website you want to log in to.

Press the left/right arrows to add /remove letters to your search string.

Finally, touch a quadrant to select the website.



If more than one credential set is stored for a given website, select the desired login by touching the corresponding LED quadrant.



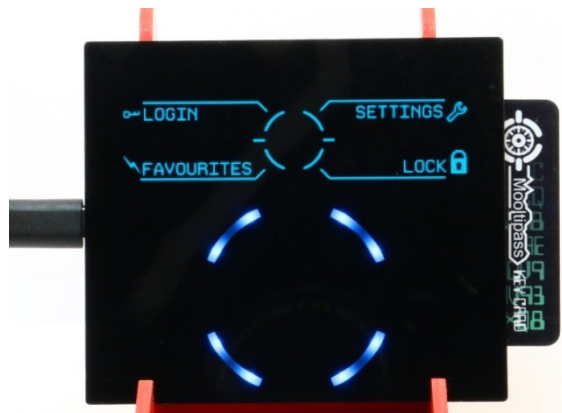
The Mooltipass will then prompt you to accept your login entry.

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



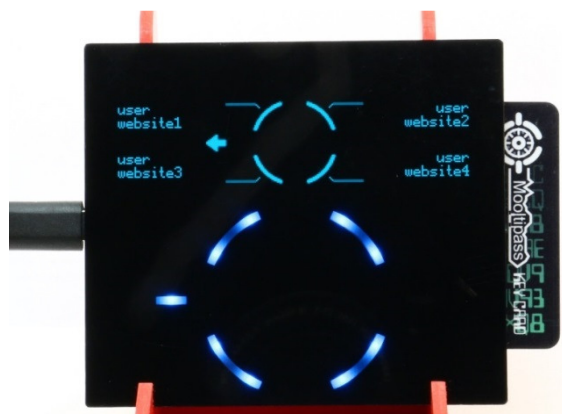
The Mooltipass will finally prompt you to accept your password entry.

IV) Manual Login – Favorite Menu



In the main menu, press the bottom left quadrant to show your favorite credentials.

You may use the 'credentials' tab of our app to tag credential sets as favorites.

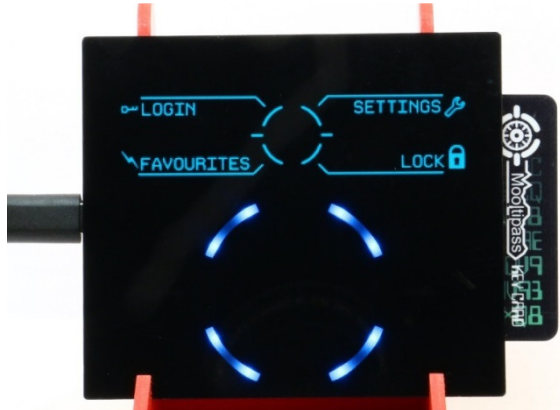


Select the desired credential set by pressing the corresponding quadrant. If there are more than four favorites, you can scroll by using the left and right arrows view all the favorites four at a time.



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

V) Settings Menu



In the main menu, press the top right quadrant.



You will be presented with different options.

VI) Changing the Card PIN



In the settings menu, press the top right quadrant.



Enter your old PIN.

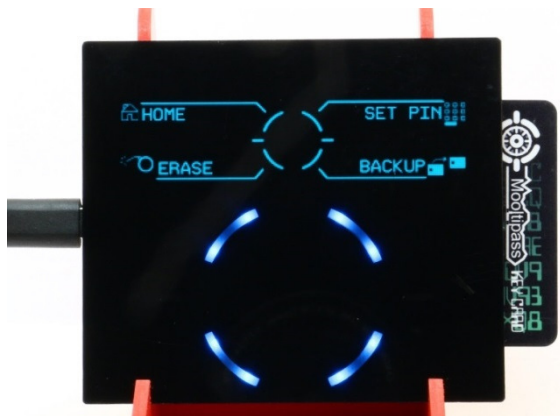


Enter your new PIN.



Confirm your new PIN.

VII) Cloning your Card



In the settings menu, press the bottom right quadrant.



Enter your PIN.



Enter the PIN for the new card



Confirm the new PIN.



Remove your card.



Insert a new smart card.

VIII) Deleting your User Data from the Mooltipass



In the settings menu, press the bottom left quadrant.



The Mooltipass will prompt you for confirmation.

Please note that this operation will remove all your user's credentials from the Mooltipass memory. The Mooltipass smartcard only contains the encryption key required to decrypt your credentials.



Enter your PIN.



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



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

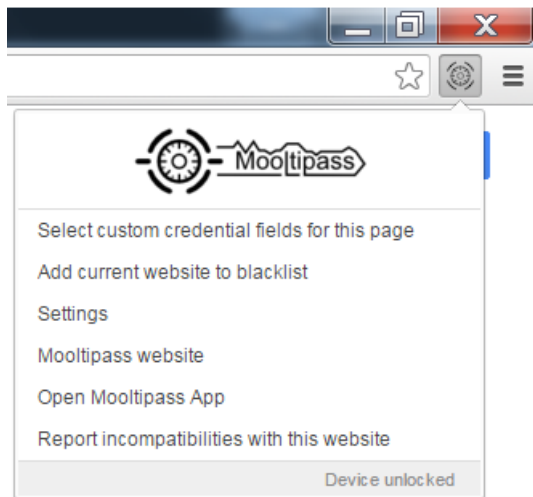
Otherwise, accept it.



If you have other cards, approve the following request and repeat the previous process to erase those cards as well.

Mooltipass Chrome Extension

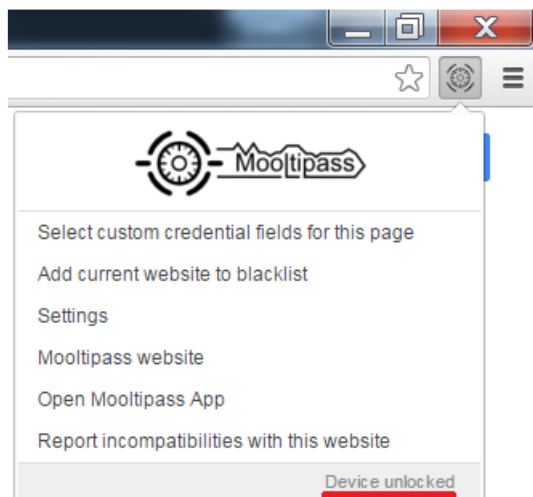
I) Extension Menu



Next to your address bar the Mooltipass icon should be displayed.

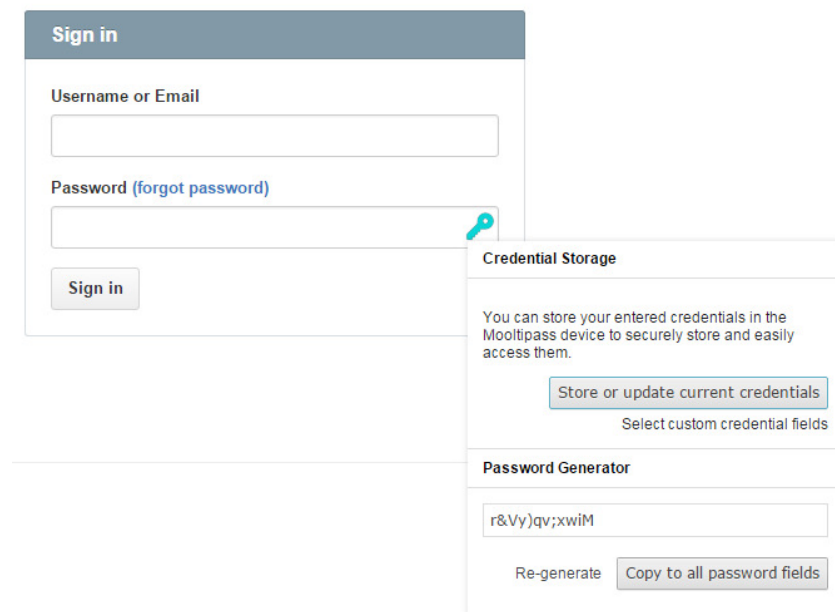
Clicking on it will bring its menu.

II) Device Status



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

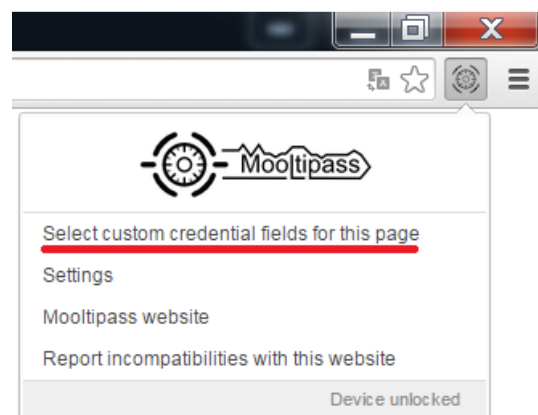
III) Password Generator and Credential Storage



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

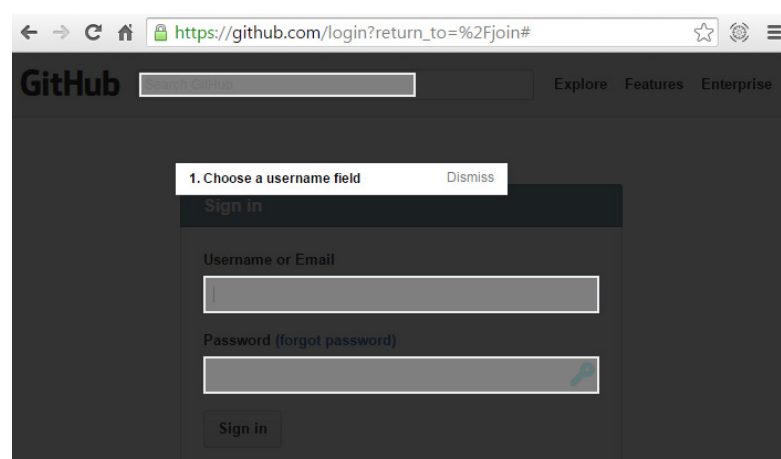
In the rare cases where the extension doesn't pick up a credential submit event, you may also use this menu to manually trigger a credential storage procedure.

IV) Selecting Custom Credential Fields



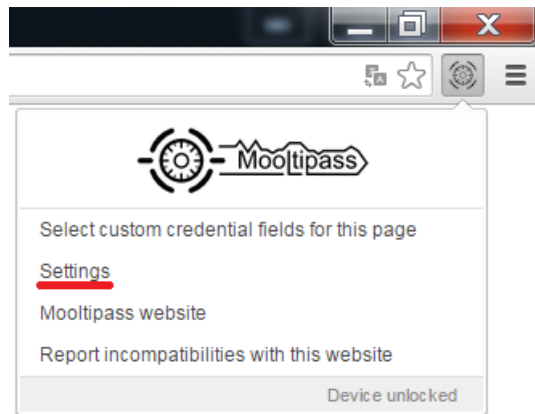
The Mooltipass extension should automatically detect all credential fields in the web pages you visit. As previously shown, it will then display a green key icon inside the detected password field.

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

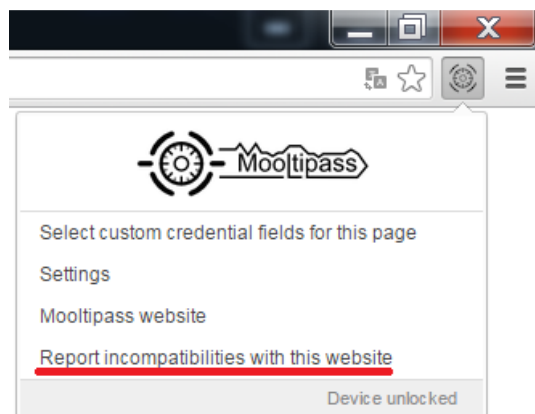
V) Extension Settings



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 visualize your blacklisted websites, and the ones for which you have stored custom credential fields.

VI) Reporting Incompatibilities

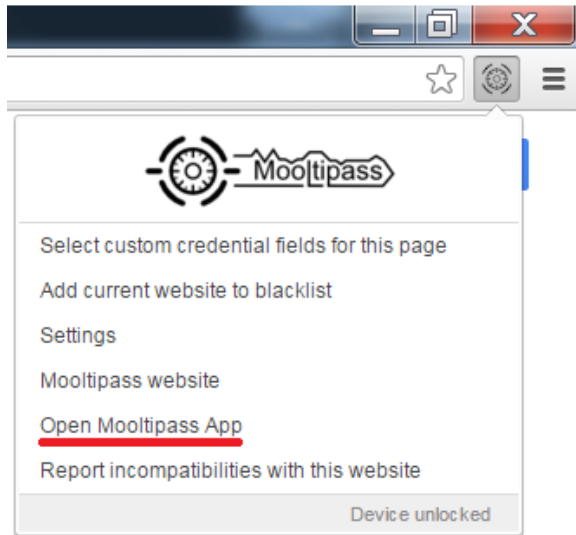


The Mooltipass team actively works to ensure the extension works with all the websites you may visit. If you find a website that is incompatible, we'd like to know about it.

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

Mooltipass Chrome Application

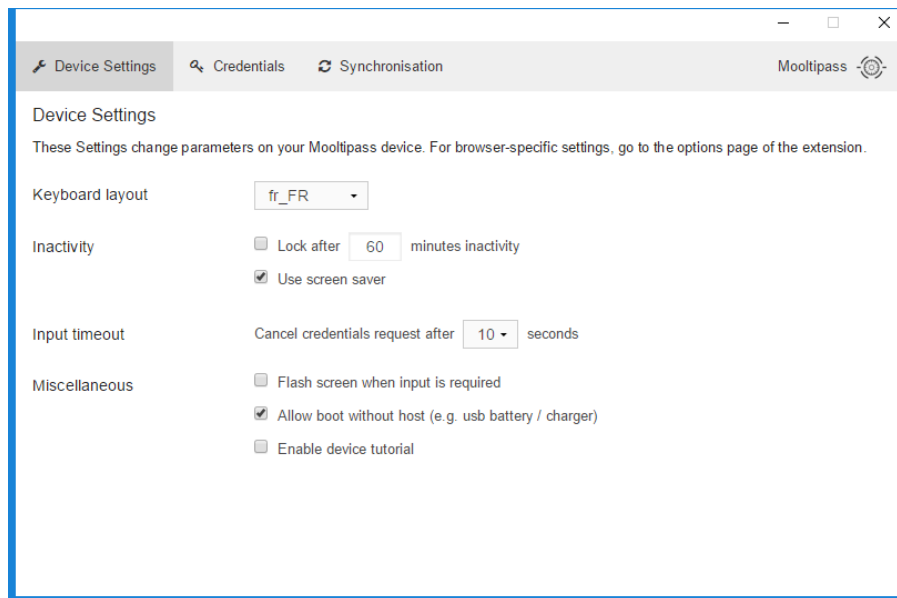
I) Launching the App



The Mooltipass App isn't automatically displayed at boot.

You may launch it by clicking on the dedicated item in the Mooltipass extension menu.

II) Device Settings Tab

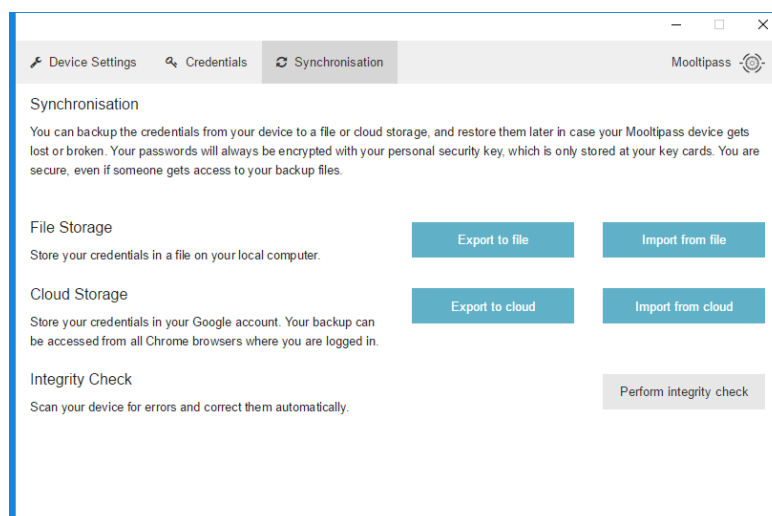


The Mooltipass App has three main tabs: device settings, credentials and synchronization.

The first one will allow you to change your Mooltipass main settings.

If you're not located in the USA, please make sure to correctly select your local keyboard layout.

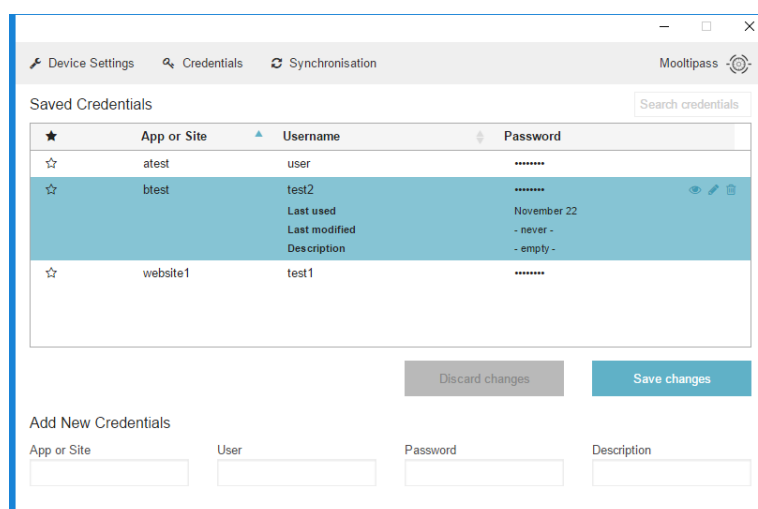
III) Synchronization Tab



The different buttons in the synchronization tab will allow you to backup and restore your Mooltipass credential database. For these operations, you may choose to either use a local file or the cloud storage **associated to your Google account**.

You may only click on the 'Perform integrity check' button when instructed to do so by the Mooltipass support team.

IV) Credentials Tab



By clicking the 'Enter memory management mode' button in the credentials tab, you can get access to our credential management interface.

Single clicking on a credential line will show its details. Displaying a password can be achieved by clicking on the eye icon and accepting the request on the Mooltipass. 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, you may press the enter key to validate your input or the escape key to cancel it. Don't forget to approve password modifying requests on the Mooltipass when saving changes.

Synchronizing New Mooltipass Devices

When an unknown card is inserted in a Mooltipass, the App will prompt you for database backup data. Simply select one of the two options displayed to you and approve the requests on your Mooltipass.

When your Mooltipass devices are initialized with your credentials database, you may use the different options in the synchronization tab to keep your Mooltipass units synchronized.

Mooltipass Use without Google Chrome

The Mooltipass team plans to add support to other major browsers and applications than Google Chrome. 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 Manual Tab), which explains how you can use the Mooltipass as a keyboard to type your credentials for you.

Mooltipass Conversion for Arduino uses



Using a sharp knife, slowly and carefully cut around the edges of the two slots on the bottom of the Mooltipass. The ABS plastic case is quite robust. Take your time and go slowly.

Take care not to push the blade through the case and into the internal printed circuit board as it could cause permanent damage.

Best Security Practices

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

- Making at least one clone of your Mooltipass card
- Making multiple backups of your credentials database, stored on multiple devices
- Entering discreetly the Mooltipass card PIN on the device
- Regularly changing the card PIN and services passwords

Contact, Support

You may read our Frequently Asked Questions on <http://www.themooltipass.com/setup> and contact us at support[at]themooltipass[dot]com.

Mooltipass Specifications

- Device size: 79x91x15mm (ABS), 79x91x15mm (Aluminum)
- Working voltage: 4.75V to 5.25V
- Current consumption: up to 0.5A
- Communications: USB 2.0 full speed
- Internal Memory: 4Mb
- USB connector: micro
- Case material: ABS or Aluminum
- Smart card support: AT88SC102
- Touch interface type: capacitive sensing
- Display: 256x64 pixels, 16 colors monochrome 3.12" blue OLED