

# Seal One® USB

## User manual



SEAL ONE  
PUSH THE BUTTON



# 1 Introduction

## 1.1 Seal One<sup>®</sup> USB

Thank you for choosing Seal One<sup>®</sup> USB. In order to familiarise yourself with the device, please read this user manual carefully before using Seal One<sup>®</sup> USB.

## 1.2 Signing transactions with Seal One<sup>®</sup> USB

Seal One<sup>®</sup> USB combines maximum security with ease of use. Designed to digitally sign transactions based on digital signatures (e.g., as part of internet online banking), the device can simply be plugged in a USB port of your computer. Transactions, which need to be signed, are displayed on the Seal One<sup>®</sup> USB.

**For your own safety, please verify the transaction shown on the Seal One<sup>®</sup> USB display before you sign it by pressing the button.**

Seal One<sup>®</sup> USB is ready with out of the box feature (without any additional configuration or software installation). It provides comprehensive protection against any trojan, virus and phishing attack when signing transactions.

Seal One<sup>®</sup> USB is compatible with all major operating systems, including numerous Microsoft<sup>®</sup> Windows, macOS<sup>®</sup> and Linux versions. A full list of supported operating systems can be found at: [www.seal-one.com/OS](http://www.seal-one.com/OS).

## 1.3 Seal One<sup>®</sup> USB functionality

Seal One<sup>®</sup> USB is easy to use, convenient and secure. After activation with an acceptance partner, the process is completed in 3 simple steps:

- 1. Connect:** Enter your transaction data in the partner application as usual and connect the Seal One<sup>®</sup> USB to a USB port of your laptop/PC.
- 2. Verify:** Verify transaction data on the Seal One<sup>®</sup> USB.
- 3. Approve:** Approve the transaction by pushing the button.

## 2 Seal One® USB activation at acceptance partner

### 2.1 Seal One® acceptance partner

Where to use Seal One® USB?

Seal One devices can be used with any acceptance partner of Seal One AG. You can recognise our acceptance partners by our acceptance logo:



A list of all current acceptance partners can be found at:

[www.seal-one.com/partner](http://www.seal-one.com/partner)

### 2.2 Seal One® activation at acceptance partner

Seal One® USB has to be activated at acceptance partner prior to use. The activation process may differ from one acceptance partner to another.

Please follow instructions of the acceptance partners. For questions and comments, please contact the respective hotline.

### 2.3 Seal One® ID readout

The Seal One ID is needed in order to registrate/activate Seal One® USB by an acceptance partner. It has to be entered in the acceptance partner application.

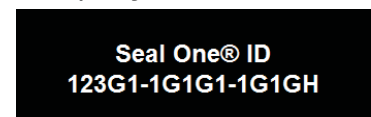
To readout the Seal One® ID, please proceed as follows:

1. Make sure that there is no transaction displayed on the device and you see the following:



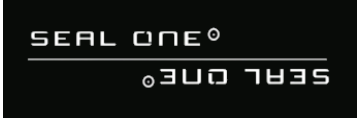







2. Press and hold the button of your Seal One® USB for at least 3 seconds until the Seal One® ID appears on the display.



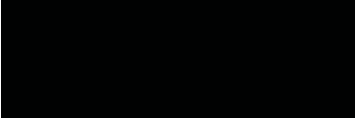

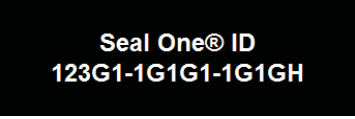



The Seal One® ID is shown in 3 blocks of 5 characters.



Note: To avoid mistakes the letters are **NOT** used:  
**I (India), M (Mike), O (Oscar), W (Wiskey)**

### 3 Symbols and their meaning

Display screen		Description
	-	<p>If the logo on the display remains displayed during the starting procedure, the USB port of your Laptop/PC is disrupted or blocked.</p> <p>In this case, please use the device without USB extension cable or use another USB port of your Laptop/PC. If you are using the Seal One® USB with a company Laptop/PC, please contact your system administrator.</p> <p>A Seal One® USB can be activated at any time based on USB Vendor/Product ID.</p>
	-	<p>The Seal One® USB is ready. The Seal One® application has not been started.</p> <p><i>Note: Starting the application hasn't require a CD. For details see Chapter 4.2.</i></p>
		<p>The connection between Seal One® USB and the internet is being established.</p> <p><i>Note: The arrows are blinking.</i></p>
		<p>Seal One® USB is connected to the internet and ready to use.</p> <p><i>Note: The points are moving to towards the arrowhead.</i></p>
		<p>There is no connection between Seal One® USB and the internet. Please check if your laptop/PC is connected to the internet. Maybe the Internet connection is blocked by a firewall. Allow all incoming and outgoing Seal One connections.</p> <p><i>Note: The warning symbol is blinking.</i></p>

Display screen		Description
		<p>You can change the display orientation at any time. Details can be found in Chapter 5.4.</p>
		<p>Seal One® USB switches to energy saving mode after a few minutes in order to increase its operating lifetime. As soon as a transaction is started, the energy saving mode is interrupted automatically and the incoming transaction is shown.</p>
		<p>The Seal One® ID is needed for registration and appears, when you press and hold the button for at least 3 seconds. Seal One® USB changes back to the operating mode after a successful registration. In case you want stop displaying the Seal One® ID (without registration) press and hold the button for at least 3 seconds again.</p> <p><i>Note: To avoid mistakes, the letters 'I', 'O', 'M', 'W' are not used. (Chapter 2.3)</i></p>
		<p>This message icon indicates an internal device error. First, pull the Seal One® USB out of the USB port and then reconnect Seal One® USB to your laptop/PC. As an alternative you can shut down the computer and restart it.</p> <p><i>Note: If this message icon is shown constantly, regardless of any actions taken, then please contact us (address and telephone number are available on our website).</i></p>

For further enquiries (e.g., difficulties experienced due to special, individual laptop/PC settings, please refer to:

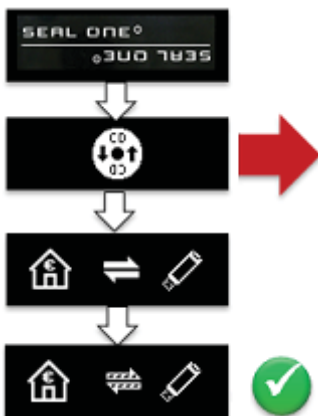
[www.seal-one.com/service](http://www.seal-one.com/service)

## 4 Seal One® usage

### 4.1 Seal One® USB initialisation

**Step 1:** Make sure that your laptop/PC is connected to the internet.

**Step 2:** Plug your Seal One® USB in a USB-Port of your laptop/PC.  
The device will display the following symbols one after another as shown below:



! If the CD icon is shown constantly (e.g., because autostart is disabled), you have to initialise the Seal One® USB manually.  
→ refer to section 4.2 based on the operating system you are using (Windows, macOS, Linux).

Your Seal One® USB is ready to use when the following screen appears.



*Note: The points are moving towards the arrowhead.*

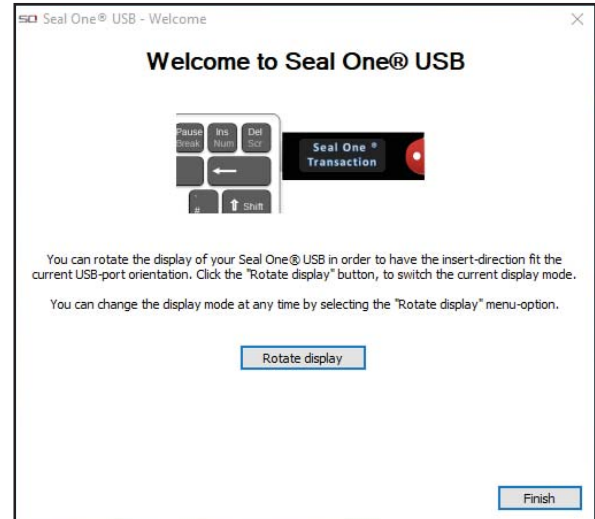
! If the Seal One Logo or any other symbol remains on Seal One® USB display (e.g., Warning or error may appear):  
→ see Chapter 3 - Symbols and their meaning

## 4.2 Using Seal One® USB with Microsoft® Windows

The welcome screen appears, when a particular USB port of your laptop/PC is used for the first time.

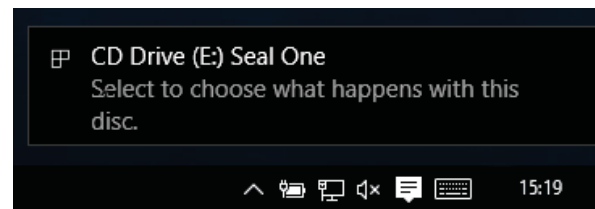
If the screen is upside down, click the „rotate display“ button. The Quickstart option can also be turned on and off. The settings are saved by clicking „Finish“.

Seal One® USB is ready to use.

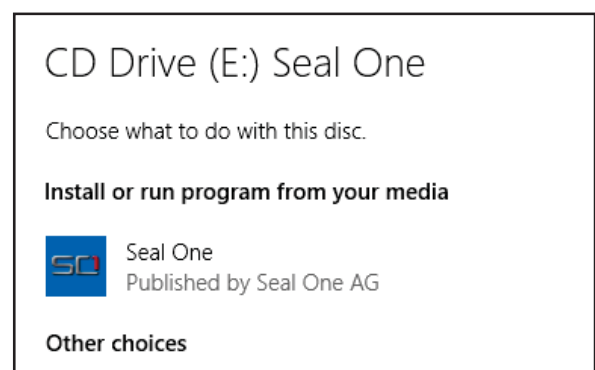


### Situation 1: Autorun on your laptop/PC is enabled

Default setting: The application starts automatically when Seal One® USB is connected to a USB port of your laptop/PC.

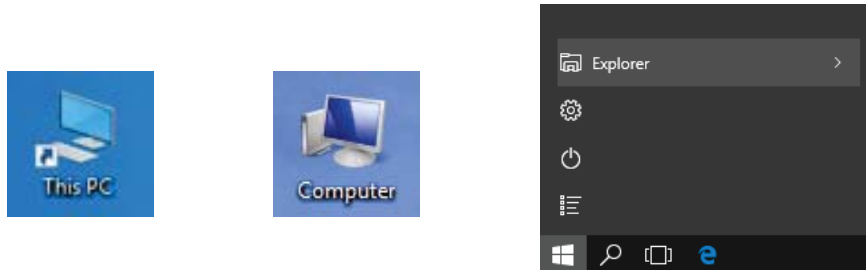


Start the application by clicking on „Seal One“. For further instructions see Chapter 3, Step 2.

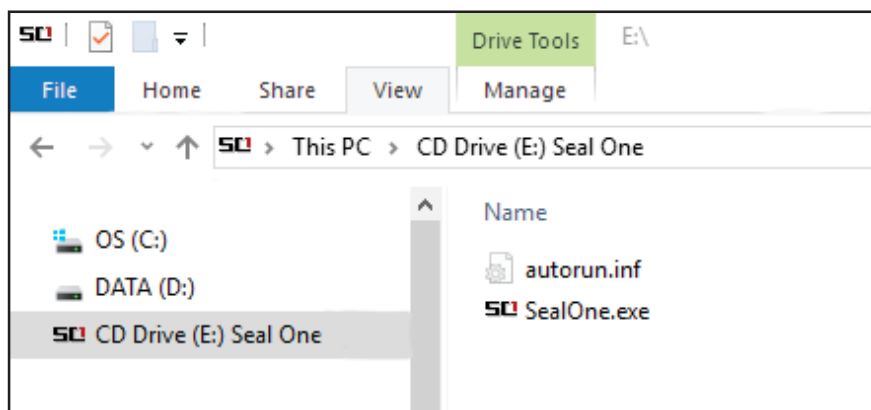


## Situation 2: Autorun on your laptop/PC is disabled

Autorun is disabled: Seal One® USB has to be started manually.  
Open „This PC“ or „Computer“ or select „Explorer“ in the Start Menu.



Seal One® USB is mounted in your system as a CD-ROM drive.  
Start the application by double clicking on „Seal One“. For further instructions see Chapter 4, Step 1.



### 4.3 Using Seal One® USB with macOS®

After connecting Seal One® USB to your Mac, the symbol shown on the right will appear on your desktop:  
„Double-click“ the CD icon.



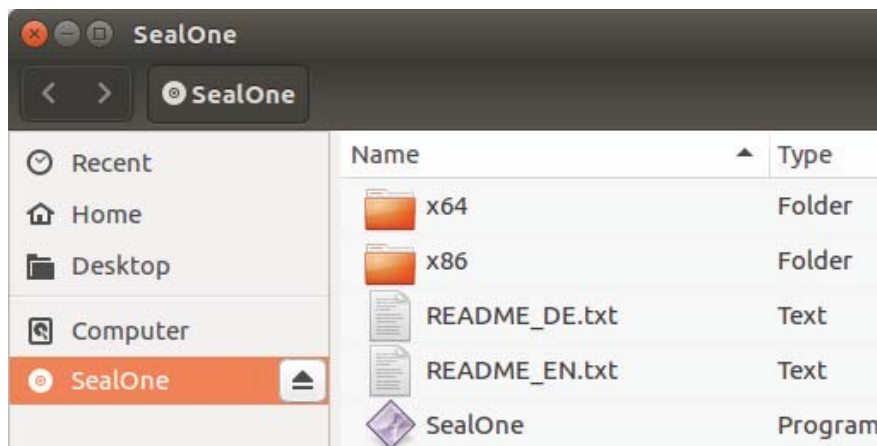
Start the application with another „double-click“ on the Seal One program logo.





## 4.4 Using Seal One® USB with Linux

Depending on the Linux distribution and configuration, the virtual CD-ROM drive of Seal One® USB is automatically mounted. Should the virtual CD-ROM drive not mount automatically, this step has to be performed manually. You can open the drive through your file manager and start the application „SealOne“.



To use the entire functionality of the Seal One application, you need a Linux distribution which contains the GTK graphics library. The application can also be used without a graphical interface. In this case, you have to configure all the necessary settings via command line. For further details please refer to the README.txt on the virtual CD-ROM drive of Seal One® USB.

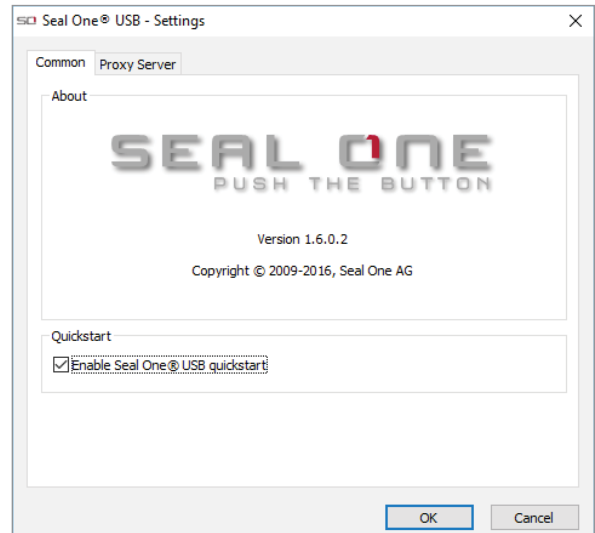
## 5 Settings

To change „Quickstart“ or proxy server settings, please click on the  icon at the taskbar and select „Settings“.

### 5.1 Common

In the tab „Common“ you can enable or disable the „Quickstart“ option. If „Quickstart“ is enabled, your Seal One® USB is immediately in operational mode after you start your laptop/PC (and you connect your Seal One®).

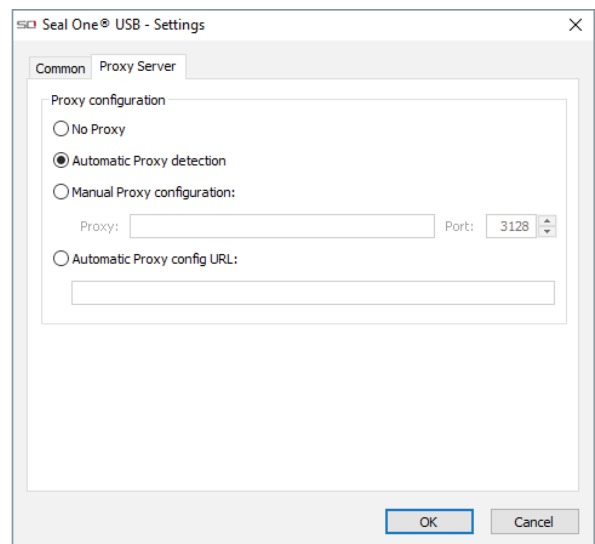
Enable or disable the „Quickstart“ option by selecting the appropriate box. Click on „OK“ to save the settings.



### 5.2 Proxy-Server

The proxy settings „Automatically detect proxy settings for this network“ is set by default. Under normal circumstances, you won't need to change these settings. If the proxy settings for the network are not detected automatically, the proxy server can also be entered manually.

For macOS® this function is not available.





### 5.3 Firewall settings

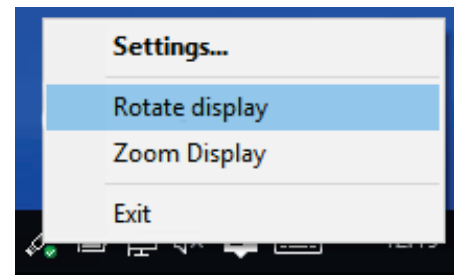
If you see the following icon on the screen, firewall settings might have to be adjusted. Maybe the internet connection is blocked by a firewall. Allow all incoming and outgoing Seal One connections.




*Note: The warning symbol is blinking.*

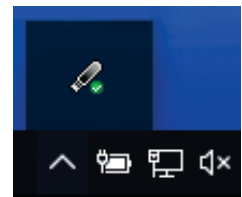
### 5.4 Rotate Display

When the Seal One<sup>®</sup> USB is connected to the laptop/PC, the  symbol appears in the task bar notification area. It may occur that displayed text of the Seal One<sup>®</sup> USB is shown upside down. You can change the display orientation by clicking on the  icon on the taskbar, and selecting „Rotate display“.




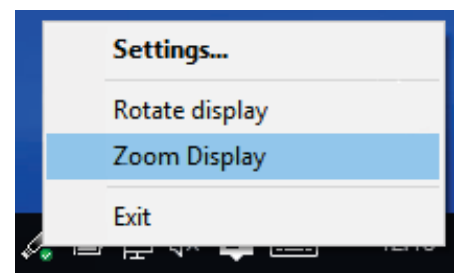
If the  icon is not visible on the taskbar, you can find it by pressing the “Show hidden icons” arrow where all applications are displayed.

This example is related to Microsoft<sup>®</sup> Windows systems.



### 5.5 Change font size

You can change the font size of the text on your Seal One<sup>®</sup> USB. This can be done by clicking the  symbol on the taskbar and selecting/deselecting “Zoom Display”.

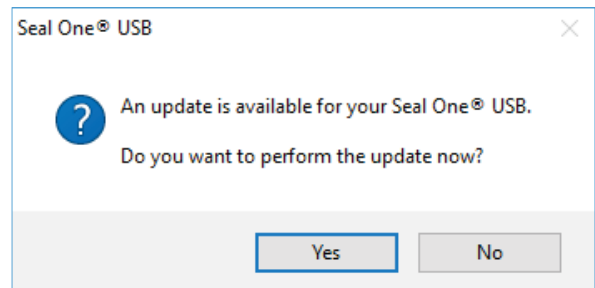


*Please note: If “Zoom Display” is selected, the information on the display of your Seal One<sup>®</sup> USB device will be shown as ticker.*

## 6 Automatic Update

In order to keep your Seal One® USB up to date, you will be automatically notified when updates are available. We recommend to use the latest version and to perform offered updates.

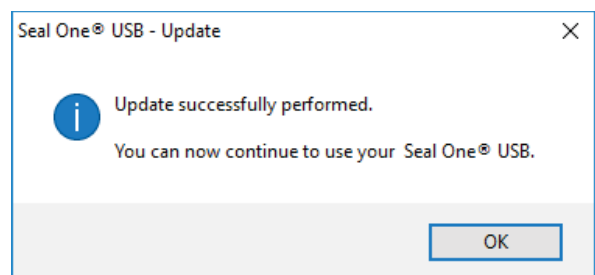
The following message on your laptop/PC is used to indicate that an update is available. Click „Yes“ to start the update.



Please note, that the update process may take several minutes. Do not disconnect the Seal One® USB device until the update process is completed.

The update progress is shown on the Seal One® USB screen.

After updating successfully, the following window will be shown. Click „OK“ to close the window.



If you want to perform updates later, click „No“. The update notification will automatically be shown regularly.



In case the update cannot be performed successfully, you can always repeat it again later. In some cases, it may be necessary to repeat an incomplete update manually using the restore function „Rescue\_SealOne“.

➔ For step-by-step instructions please refer to Chapter 4.2.

## 7 Safety instructions

Please make sure that children do not have access to hardware and packaging materials. Don't let children play with the device. The device and the device cap can be swallowed by children. Never throw the device into fire.

### 7.1 Legal disclaimer

Seal One AG disclaims all liability for damages resulting due to improper use. Opening the Seal One<sup>®</sup> USB and any changes on the device are strictly prohibited and will void the warranty.

### 7.2 European Union - electronics and battery disposal information

According to local laws and regulations, the Seal One<sup>®</sup> USB device and its battery should be recycled separately from household waste. At the end of device lifetime, take Seal One<sup>®</sup> USB to a collection point designated by local authorities for the recycling of electronic equipment. The improper disposal of electronic equipment by the consumer may be subject to fines.



Separate collection and recycling of your product and its battery at the time of disposal will help preserve natural resources and ensure that it's recycled in a manner that protects human health and environment. For further information concerning correct disposal of this product, please contact your local authority or the retailer where this product was purchased.

### 7.3 EC-Declaration of Conformity



Seal One AG hereby declares that this equipment is in compliance with EC the essential requirements and other relevant provisions of Directive 2004/108/EC.

The CE mark guarantees the fulfillment of the European Union directives.

## **7.4 Device maintenance**

The Seal One® USB is designed and manufactured with great care and therefore should be treated with care. The following recommendations and handling instructions should help you ensure continuous operation and a long life expectancy:

- Only connect the device to your laptop/PC when you want to perform transactions with the device.
- Protect the device from moisture and liquids. Never attempt to paint dye the device.
- Store the device in a clean and dry place.
- Protect the device from dust and vapours.
- Never place the device near heat sources such as radiators or ovens. Don't expose the device to high temperatures and severe temperature changes. Protect it against direct sunlight.
- Don't touch the plug contacts with sharp or metallic objects.
- Clean the device with a damp, lint-free textile. Don't use abrasive leaners or solvents.

## **8 Return form**

Please use a sturdy packaging for return, such as a padded envelope or shipping bag.

For the return form, return address, and further information, please visit:

**[www.seal-one.com/return](http://www.seal-one.com/return)**

## 9 Package contents

- **Seal One® USB**

Seal One® strives to offer products meeting customers' needs. This is achieved by using high quality materials and paying great attention to every detail.

- **USB extension cable**

Please note that the USB extension cable is designed for exclusive use with Seal One® USB. The manufacturer assumes no liability for any use not in connection with Seal One® USB.

You can also use a standard USB extension cable with the Seal One® USB device.

- **User manual**

This user manual contains all necessary steps for installation, usage and maintenance of your Seal One® USB.




- **The package does NOT include a CD**



The package does NOT include a CD.  
The entire operating software is already included on the Seal One® USB. The software is NOT available on CD.



## Quick Start

- Connect your Seal One® USB to your laptop/PC. 
- A CD-symbol will be shown on the display of your Seal One® USB. 
- Your Seal One® USB is ready to use. 

The prerequisite is that your Laptop/PC is connected to the Internet.



If the „CD“ icon on the Seal One® USB device remains shown permanently (e.g., because auto-start is disabled), you have to start the Seal One® USB manually.

➔ For further details please refer to Chapter 4.

Additional information and descriptions regarding the manual start of the Seal One® application can be found on our website FAQ:

[www.seal-one.com/service](http://www.seal-one.com/service)

The Seal One® device works on all major operating systems; these include numerous Windows, Mac OS and Linux versions. An up-to-date list of supported operating systems is available at:

[www.seal-one.com/os](http://www.seal-one.com/os)

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60311 Frankfurt am Main  
[www.seal-one.com](http://www.seal-one.com)

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