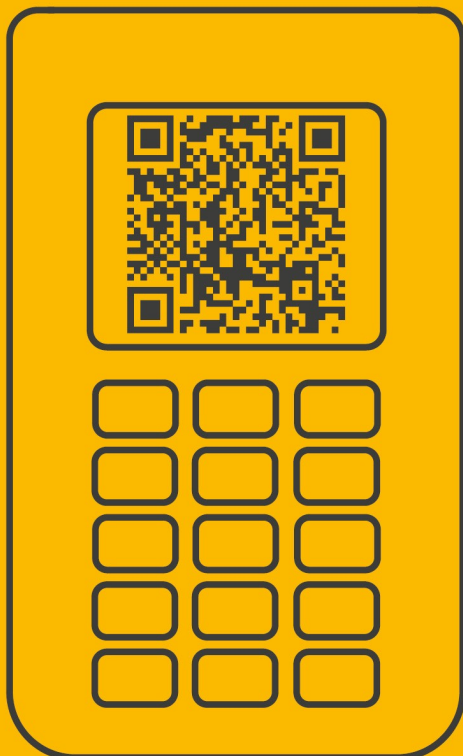


# Operating Manual

# **REINER SCT**

# **Authenticator**



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## 1 / Foreword

### Dear customer,

Thank you for choosing the REINER SCT Authenticator.

The REINER SCT Authenticator is a hardware device for secure two-factor authentication (2FA) by means of a time-based one-time password (TOTP code). The REINER SCT Authenticator detects the authentication data displayed by your account in the form of a QR Code in a split second by means of its built-in camera and assigns these to an account in the REINER SCT Authenticator. It generates a new TOTP code every 30 seconds for secure login to an account.

### The highlights at a glance

- Secure two-factor authentication (2FA) with TOTP
- For smart phone, tablet, notebook or desktop
- Immediately ready to use for all leading online platforms
- Management of several TOTP accounts
- Security made in Germany

The device was developed in Germany and manufactured with the greatest care to give you reliable support for many years.

Please read this manual carefully before using the REINER SCT Authenticator.

We wish you success with your new device, your

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Reiner Kartengeräte GmbH & Co. KG  
Baumannstr. 16-18  
78120 Furtwangen  
Germany

[www.reiner-sct.com](http://www.reiner-sct.com)

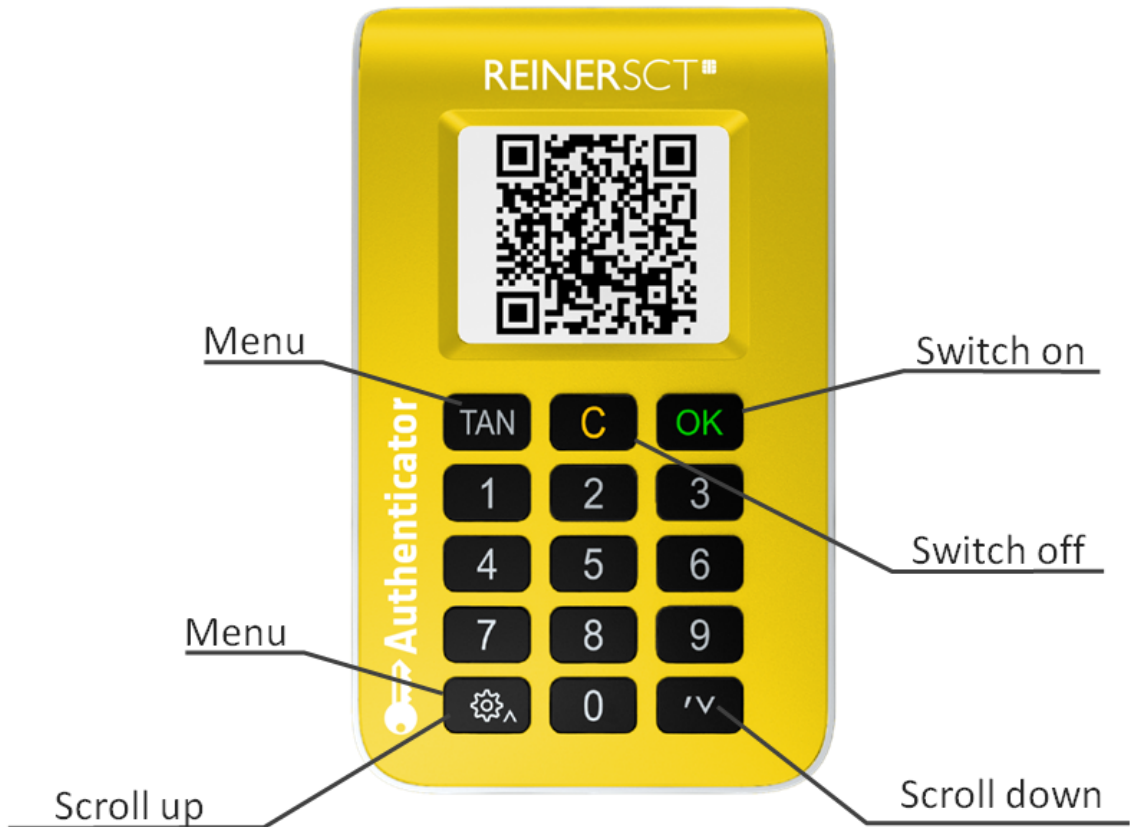
## 2 / System requirements

- A TOTP-compatible login

## 3 / Device Description

### 3.1 Device Overview

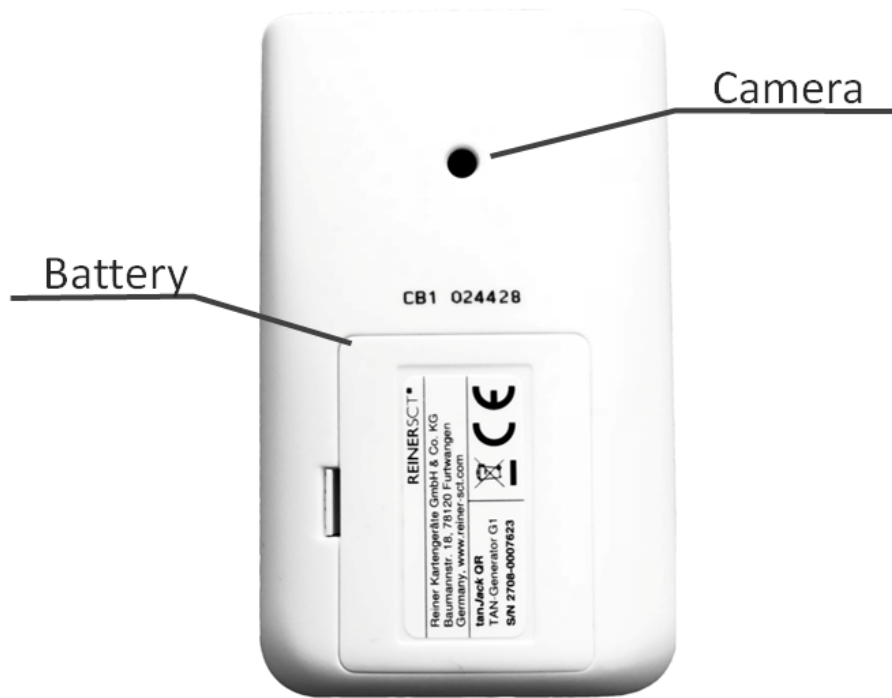
#### Front



#### Description of the operating elements

| Tastenbezeichnung | Beschriftung | Funktion                       |
|-------------------|--------------|--------------------------------|
| TAN key           | TAN          | Open the device menu           |
| C key             | C            | Switch off or back in the menu |
| Settings          | ⚙️           | Open the device menu           |
| OK key            | OK           | Confirm your entry/selection   |
| Arrow keys        | ⬆️ ⬇️        | Navigate through the menu      |

## Rear



### Changing the batteries

Use your finger nails or a blunt object such as a plastic card to open the battery compartment and open the lid by pressing the sides and pulling the tab at the same time.

Three standard AAA 1.5 V alkaline batteries are used.



**Please pay attention to the correct battery polarity when changing the batteries**

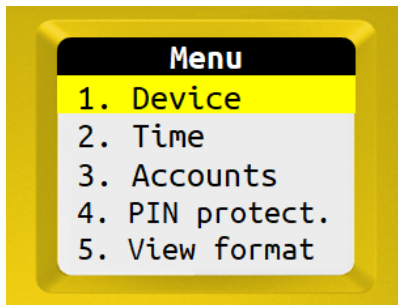


## 4 / Function Description

### 4.1 Device Menu

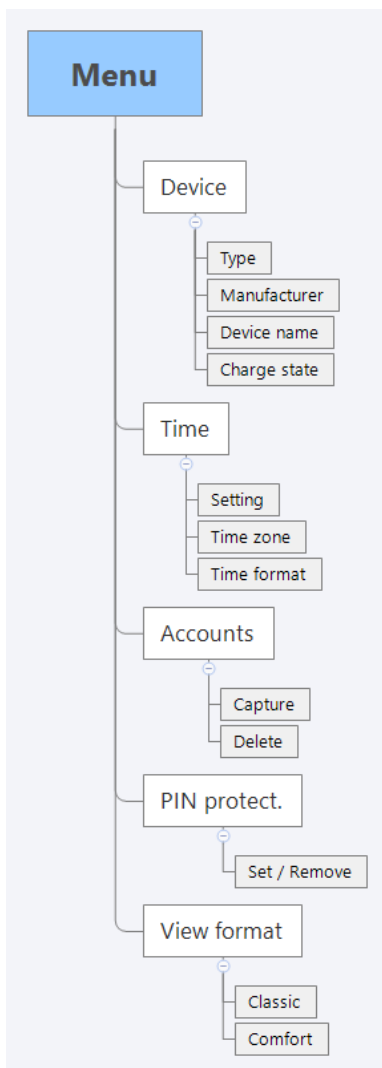
You can make various settings and start applications in the device menu. Please proceed as follows.

To go to the device menu, press the  **key** or the **TAN key** with the device switched on. The following appears in the display.



You can navigate through the menu with the arrow keys. Press the **OK key** to go to the respective sub-menu. Press the **C key** to exit the sub-menu. You can also select the appropriate numbers of the menu with the keyboard to take you directly to the respective sub-menu.

The device menu of the REINER SCT Authenticator has the following structure.



**Device**

**Type:** This shows you the type of the REINER SCT Authenticator.


**Manufacturer:** Displays the manufacturer's name

**Device name:** Displays the product name


**Charge state:** Shows you the battery status

### Time


**Setting:** If the TOTP codes entered in your application are no longer accepted after a time, the internal clock of the REINER SCT Authenticator may have to be resynchronised. Reset the time as follows:

1. Call the following address in your Internet browser: [www.reiner-sct.com/sync](http://www.reiner-sct.com/sync)
2. Switch on the REINER SCT Authenticator with the OK key
3. Press the TAN  key
4. Select the time (arrow ▼ key)
5. Select Setting
6. [www.reiner-sct.com/sync](http://www.reiner-sct.com/sync) is displayed; press the OK key
7. The camera switches on
8. Now take a photo of the QR Code displayed on [www.reiner-sct.de/sync](http://www.reiner-sct.de/sync)
9. The time is synchronised automatically


**Time zone:** Do you want to set the time to your time zone? Then proceed as follows:

1. Call the following address in your Internet browser: [www.reiner-sct.com/timezone](http://www.reiner-sct.com/timezone) and select the desired time zone
2. Switch on the REINER SCT Authenticator with the OK key
3. Press the TAN  key
4. Select the Time (arrow ▼ key)
5. Select the Time zone
6. [www.reiner-sct.com/timezone](http://www.reiner-sct.com/timezone) is displayed; press the OK key
7. The camera switches on
8. Now take a photo of the QR Code displayed on [www.reiner-sct.de/timezone](http://www.reiner-sct.de/timezone)
9. The time zone is reset automatically


**Time format:** Do you want to change the time format? Then proceed as follows:

1. Press the TAN  key
2. Select the Time (arrow ▼ key)
3. Select the Time format (arrow ▼ key)
4. Select the desired time format (12 hrs. or 24 hrs.) (arrow ▼ key) and confirm with the OK key.
5. The time format is now changed.

### Accounts

You can create and delete the accounts in this menu. For further information, see the chapter [Accounts](#) 

### PIN protect.

You can set up and cancel the PIN protection in this menu. For further information, see the chapter [PIN Protection](#) 

**View format**

The green-red time bar in the display shows for how long the TOTP code is valid. A new code is generated when the time bar expires.

**Classic:** The time bar always starts at the absolute time. This means that the validity of the first displayed TOTP code may have different times. To have enough time to type the code, you may have to wait for the second code to be displayed.

**Comfort:** The time bar always starts at 100%. This usually corresponds to 30 seconds. Therefore, you always have enough time to type the code.


## 4.2 Accounts

### 4.2.1 Creating Accounts

#### Creating your first new account

1. Switch on the REINER SCT Authenticator with the OK key
2. Press the OK key again; the camera switches on
3. Now take a photo of the QR Code of your application
4. The TOTP authentication account is created automatically and displayed

#### Creating another account

1. Switch on the REINER SCT Authenticator with the OK key
2. Press the  key
3. Select **Accounts** (arrow ▼ key)
4. Select **Capture**; the camera switches on
5. Now take a photo of the QR Code of your application
6. The new TOTP authentication account is created automatically and displayed

### 4.2.2 Making a Backup




Every QR Code that is displayed in your application for you to create a TOTP account in the REINER SCT Authenticator contains a secret electronic key. The TOTP code is created individually for your account based on this key. **In order to save this key as an emergency backup, we recommend you to save this QR Code encrypted as a graphic file or to print it on paper and file it in a safe place.** Files and folders can easily be encrypted with standard Windows, macOS and Linux tools.

### 4.2.3 Deleting Accounts



**Attention: Before deleting an account in the REINER SCT Authenticator, make absolutely sure that the deletion has no negative effect on your access to the respective account or that you can still access your account by other methods!**

**Deleted accounts cannot be restored in the REINER SCT Authenticator but they can be recreated.**

1. Switch on the REINER SCT Authenticator with the OK key
2. Press the TAN  key
3. Select **Accounts** (arrow ▼ key)
4. Select **Delete** (arrow ▼ key)
5. Select the account to be deleted (arrow ▼ key, OK-Taste)
6. Confirm deletion with the OK key.
7. The account was deleted.

## 4.3 PIN Protection


An important and exclusive security function of the REINER SCT Authenticator is the PIN protection. If the PIN protection is activated, the REINER SCT Authenticator can only be used after entering the PIN. This effectively protects the REINER SCT Authenticator against unauthorised use.



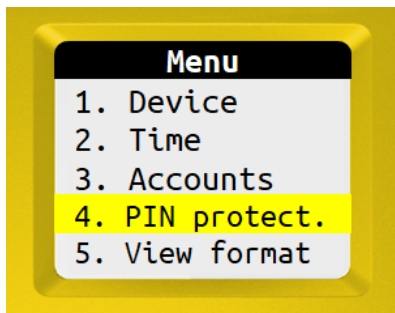
**When you activate the PIN protection, make sure that you remember the entered PIN! You can no longer use the REINER SCT Authenticator if you forget the PIN! For security reasons, the forgotten PIN cannot be recovered, not even by REINER SCT.**

If the wrong PIN is entered five times, the REINER SCT Authenticator resets to factory settings and all keys, accounts and the PIN are deleted. The REINER SCT Authenticator is then in the initial state as if it were a new device.

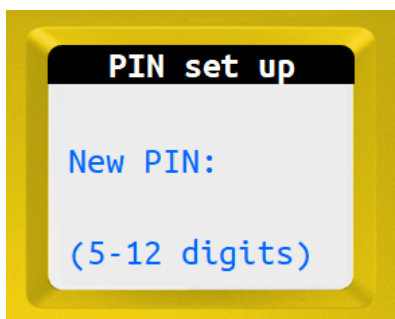
### 4.3.1 Setting Up PIN Protection

To set up the PIN protection, start the REINER SCT Authenticator with the OK key and press the TAN or  key.

Select item 4 in the following menu. PIN protection off. (arrow ▼ key)

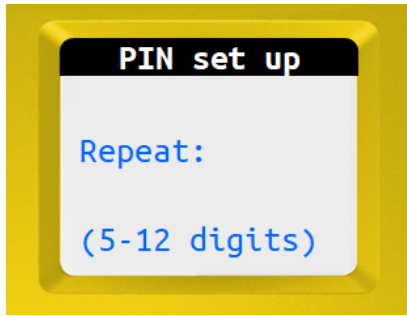


Confirm the **Set** item in the following dialogue with the OK key




Then assign your personal **user PIN** with a length of **at least 5 and maximum 12 digits**. Confirm your inputs with the OK key.

Repeat your user PIN and confirm the repetition with the OK key.

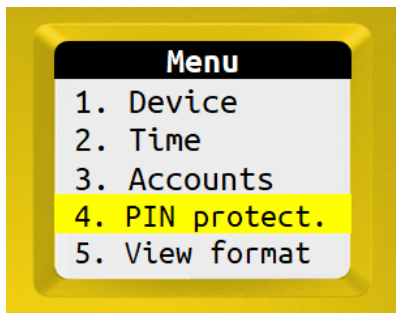


The PIN protection is activated after successful input.

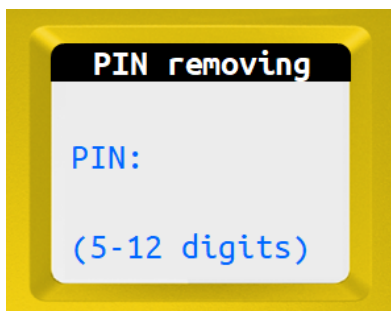
### 4.3.2 Cancelling PIN Protection

To cancel the PIN protection, start the REINER SCT Authenticator with the OK key and press the TAN or  key.

Select item 4 in the following menu. PIN protection off. (arrow ▼ key)



Confirm the **Remove** item in the following dialogue with the OK key



Now enter your already assigned PIN to cancel the PIN protection. The PIN protection is deactivated after successful input.

## 4.4 Operation of the REINER SCT Authenticator


### You have created one account

If you have **only** created one account in the REINER SCT Authenticator, simply switch on the device with the OK key. The current TOTP code for the account is displayed immediately.

### You have created several accounts

If you have created several accounts in the REINER SCT Authenticator, switch on the device with the OK key. A list of your created accounts appears. You can mark and select the desired TOTP account with the arrow ▼ / ▲ key and the OK key. Then the TOTP code for the selected account is displayed.

### Tips for operation

All functions can always be opened by the menu  .

**A tip for experts:** Pressing the OK key several times activates the camera. The QR Code that is then photographed, which can contain different functions (e.g. new account, synchronise time or change time zone), is evaluated intelligently by the REINER SCT Authenticator and the function is used accordingly without having to open the menu functions

## 5 / Safety Notes

### Important safety notes

Please read this information and the detailed operating instructions carefully and fully before using the product.

When passing on the product to third parties, always include this operating manual.  
Do not use the product when it is obviously damaged.

### Intended use/liability

The REINER SCT Authenticator is intended for use at home and in the office. It is not intended for use in a harsh, aggressive or explosive environment or outdoors. The product is not intended for the following areas of application: Critical infrastructures, systems with a high risk, a high danger potential or where high fail safety is required, such as: military or armament systems, aircraft or vital or life-sustaining systems. Exceptions must be agreed with the manufacturer in writing.

REINER SCT is always liable in accordance with the legal regulations. REINER SCT is not liable for loss of the data stored in the REINER SCT Authenticator (e.g. TOTP code) or for expenses and damages resulting from malfunctioning or non-functioning of the product. Do not use the product if you do not agree with this.



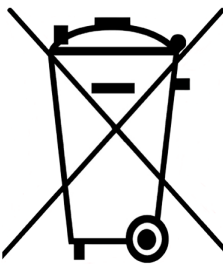
### Avoid damage to health and accidents

Keep the product, packing and accessory parts away from children and pets to avoid accidents and danger of suffocation. Never throw the device into a fire. Do not use the product when your whereabouts demand special attention.

### Avoid product damage and malfunctions

Always keep the product dry and do not expose it to extremely low or extremely high temperatures (hair dryer, heating, long exposure to sunlight, etc.) to avoid corrosion, deformations, malfunctions or destruction.

Use only the auxiliary devices/accessories supplied or recommended by REINER SCT. Clean the product only with a soft, dry cloth.



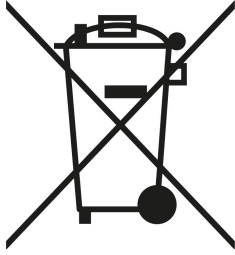
### Battery Directive (2006/66/EC & 2013/56/EU) Disposal of batteries

This product contains batteries which, even though they last a very long time, must be disposed of at some point. Old batteries may not be thrown in the household waste. Users are legally obliged to take batteries to a suitable collection point where they can be disposed of free of charge.

Information on the disposal of old batteries is available from the responsible city or community authorities. Old batteries can be recycled. The waste bin means: Batteries and rechargeable batteries may not be thrown in the household waste.

### Information on the electrical and electronic equipment law

The device was first marketed after the 15th of August 2018.



**Disposal of the device (WEEE directive)**

Dispose of this product at your local collection point or recycling centre at the end of its life.



**Simplified EU declaration of conformity**



Reiner Kartengeräte GmbH & Co. KG hereby declares that the REINER SCT Authenticator complies with the EU directives, harmonised standards and technical specifications for this device. The full text of the EU declaration of conformity is available under the following Internet address: [www.reiner-sct.com/manual](http://www.reiner-sct.com/manual)

The term "QR Code" is a registered trademark of Denso Wave Incorporated.

## 6 / Support

### **Help with malfunctions**

You have purchased a high quality product from REINER SCT that is subjected to strict quality control. If you should have any problems despite this or if you have any questions about operation of the device, you can send a support inquiry to our service department at any time at [support@reinersct.com](mailto:support@reinersct.com). You can also find help in our forum under: [www.reiner-sct.com/forum](http://www.reiner-sct.com/forum).

### **Warranty**

REINER SCT grants a warranty of 24 months from handover for material and manufacture of the chip card reader. The buyer is entitled to demand improvement. REINER SCT can deliver replacement devices instead of improvement. Replaced device become the property of REINER SCT. The warranty is voided in case of manipulations of the device by the buyer or unauthorised third parties. Damages due to improper handling, operation and storage as well as force majeure or other external influences are not covered by the warranty.

No warranty is given on batteries.

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