

eCode Authenticator



•• Quick Guide •••••

1. Insert a smart card.
2. Choose function with button **SIGN** or **OTP**.

Additional functions may be available by pressing **MENU** multiple times, confirm with **OK**.

Press ← to delete input.

Press **STOP** at any time to abort current function.



- Thin and portable smart card reader for secure authentication!

•• Introduction •••••

Todos eCode Authenticator is a chip card reader that uses the cryptographic capabilities of chip cards to offer secure authentication services in online banking and online shopping.

Using a smart card with the Todos eCode security application or any VISA or MasterCard EMV card¹, the following functions are available:

- **SIGN**: Create an electronic signature, for Challenge/Response
- **OTP**: PIN protected One Time Password (OTP) for identification

Depending on which smart card you insert the functions may differ. Please see user cases for Todos eCode and VISA or MasterCard EMV card on back side.

These functions make Todos eCode Authenticator suitable for secure eBanking, Online Shopping, Telephone banking, Call Centres and other services where secure authentication is needed.

¹ Compatible with VISA, VISA Electron, MasterCard or Maestro

•• Important Notes •••••

- Do not generate One Time Passwords if you do not intend to use them for login since you may get out of sync with the host system followed by being locked out. The bank/service provider decides how many attempts you get.
- Make sure you enter the correct PIN when using SIGN and OTP, too many faulty attempts in a row will lock the card.
- If you leave the smart card in the reader it will automatically power off after a certain time. Press MENU button to power on.

Todos eCode smart card



.. PIN protected One Time Password (OTP)

Insert a Todos eCode smart card and press **OTP** to generate a PIN protected unique One Time Password. This OTP can be used for authentication when e.g. login on to an Internet Bank.

Enter PIN and press **OK**.

If the PIN is correct the OTP will be displayed.

.. Create an electronic signature (SIGN)

Insert a Todos eCode smart card and press **SIGN** to generate an electronic signature that can be used for Challenge/Response.

Enter the value for V1 and press **OK**.
(You receive the values from you service provider, via PC or phone)

Enter value V2 and press **OK**.

Enter PIN and press **OK**.

If the PIN is correct, the result of the electronic signature is shown.

MasterCard or VISA EMV card



.. CAP Identify/Sign (OTP)

Insert a CAP card and press **OTP** to activate CAP Identify/Sign.

Enter PIN (four to twelve digits). Press **OK** when finished.

The reader will ask for "DATA OR OK:" (zero to ten digits) up to ten times. End Transaction Data entry by pressing **OK**.

The signature is presented.

.. CAP ChallengeSign (SIGN)

Insert a CAP card and press **SIGN** to activate CAP ChallengeSign.

Enter Challenge (zero to eight digits), then press **OK**.

The reader may ask for currency. Enter one digit for the chosen currency, then press **OK**. (If currency is not EUR, USD or GBP, select zero.)

The reader will then also ask for amount (zero to twelve digits). Two decimals will be displayed. Press **OK** when finished.

Enter PIN (four to twelve digits). Press **OK** when finished.

The signature is presented.

▶ **OTP**

PIN?

RESPONSE:
87654321

▶ **SIGN**

V1:
1234

V2:
5678

PIN?

RESPONSE:
87654321

▶ **OTP**

PIN?

DATA1 OR OK:

RESPONSE:
87654321

▶ **SIGN**

CHALLENGE?
12345678

1. EUR 2. USD
3. GBP 0. ???

AMOUNT?
123.450

PIN?

RESPONSE:
87654321