

# eCode Signature

## Introduction

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

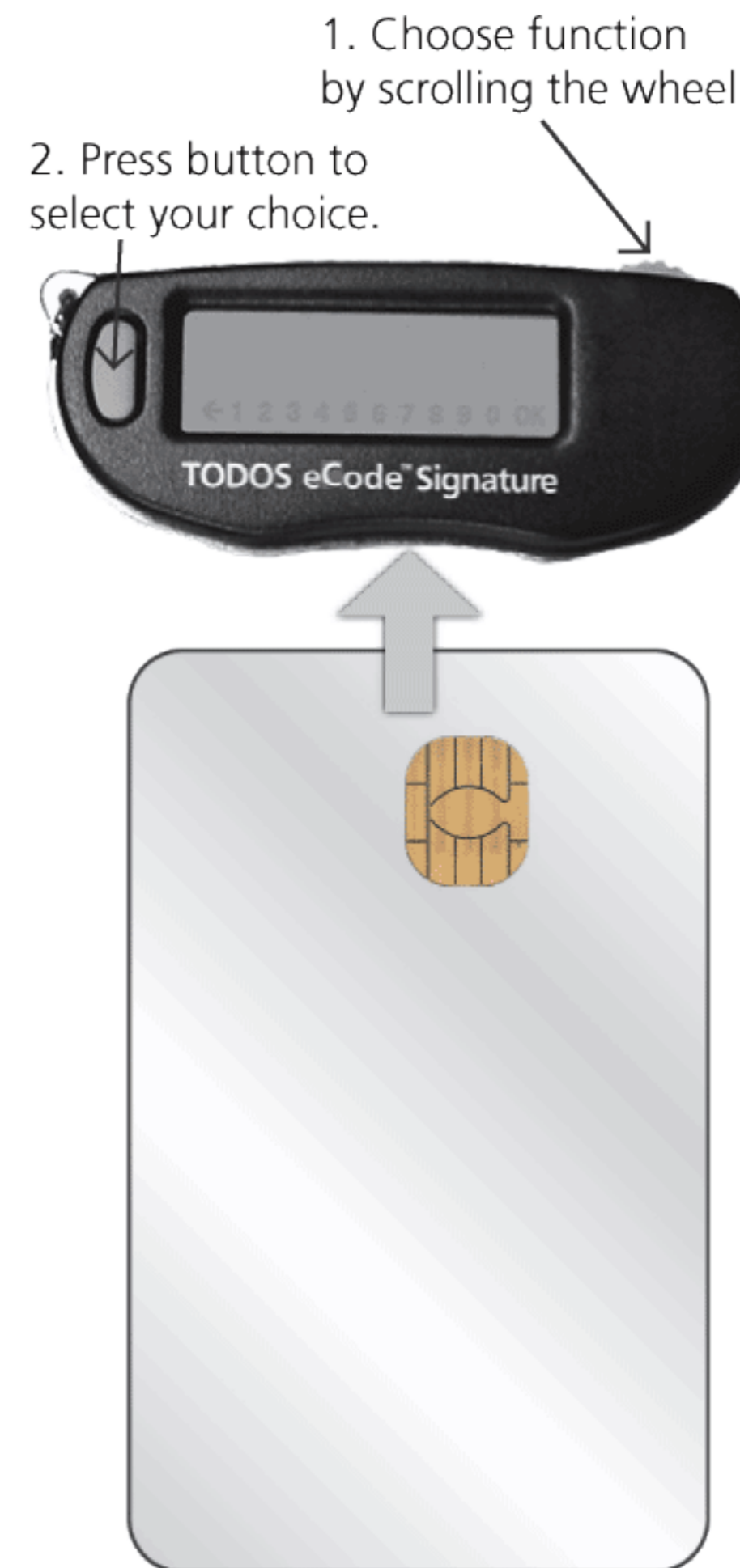
Using a smart card with the Todos eCode security application the following functions are available:

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

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

## Important Notes!

- Do not keep card in the Todos eCode Signature when not in use (battery may drain).
- 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 ECODE and SIGN, too many faulty attempts in a row will lock the card.



## CODE: One Time Password

Choose **CODE** to generate a unique One Time Password. This OTP can be used for authentication in combination with a static password when e.g. login on to an Internet Bank.

Press the button to return to the main menu.



## ECODE: PIN protected One Time Password

Choose **ECODE** 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 by scrolling through the numbers and confirm with the button.

If the PIN is correct the OTP will be displayed.

Press the button to return to the main menu.



## SIGN: Create an Electronic Signature

Choose **SIGN** to generate an Electronic Signature that can be used for Challenge/Response.

Enter the value for V1.  
(You receive the values from your service provider, via PC or phone)

Enter value V2.

Enter PIN.

If the PIN is correct, the result of the Electronic Signature is shown.

Press the button to return to the main menu.

