≡ SUZOHAPP

**Operating
Instructions**

currenza G²

Coin changer

02.08 Goe/Schn/G-JM
Edition 1.0

RoHS ✓

Table of contents

currenza **C**²

SAFETY INSTRUCTIONS

Before operating the device for the first time, please read the safety instructions and the respective manuals for this product at least once to ensure you have understood the proper use of the device, the handling instructions and the requirements in respect of staff qualification for installation and maintenance, and the necessary protective measures. All information about this product is available at suzohapp.com.

OPERATING ELEMENTS

The currenza c² coin changer series includes two models. While the housing dimensions and design are the same, a distinction is made between the versions *Blue and White*. Only the operating elements are different on the two versions.

☞ *Perform configuration of the version "White" using the separately available setting module HENRI.*

Blue version

The human interface, the operating device for the user, consists of a keyboard with seven keys and a display.

Fig. 1: Control panel for the *Blue* version

White version

The *White* version has no operating elements on the control panel. The user interface is made available via the separate setting module HENRI or via the respective vending machine (provided this function is supported).

Fig. 3: Control panel for the *White* version

CONFIGURATION OF THE COIN CHANGER

The following description applies to the "Blue" version and/or the separate setting module.

A message appears on the display after switching-on of the currenza c². The (error) message indicates the current status of the coin changer.
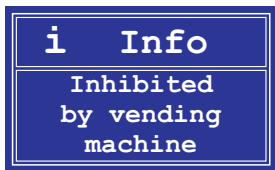
```
┌─────────────────┐
│  i    Info      │
├─────────────────┤
│   Inhibited     │
│   by vending    │
│    machine      │
└─────────────────┘
```

Fig. 5: Example of a message

Please press the **MENU** key to open the main menu.

```
A = Audit
B = Inventory
C = Service
D = Diagnostic
E = Settings
F = Filling

Back: MENU
```
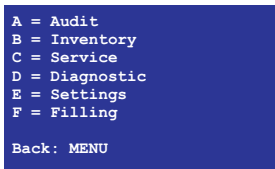
Fig. 6: Main menu

Menu structure

Navigation within the menu structure is simple. Select the desired menu in the main menu by pressing the key with the letter **A**, **B**, **C**, **D**, **E** or **F** shown on the left of the menu.

Example: Press the key with the letter **E** to change to the **Settings** menu.

Use the keys "Arrow up" or "Arrow down" to navigate within the menus. Press the "OK" key to change to a selected submenu . Press the "EXIT" key to change to the higher-ranking menu. Change to the main menu with the **MENU** key.

All menus contain a help text for navigation within the menu in the bottom part.

Abbreviations in the menu

Inst.   = since installation

s. Ini.   = since initialization

s. l. R.   = since last readout

Menu: Audit

The main menu is displayed: Press key **A** to change to the **Audit** menu. You can access all audit data via the **Audit** menu. The following overview shows the submenus available.

Audit (main menu, key A)

— *General data*
— *Vends*
— *Flow of money*

Submenu: General Data

The Audit menu is displayed: Select the **General Data** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. In this menu, the general audit data of the coin changer is displayed, e. g. the machine identification number or the number of readouts since initialization.

General Data

— Machine number
  (000000)
— Number of printouts/readouts
  (Inst. 000001 | s.Ini. 0000001;
   day + time of last readout)
— Number of power resets
  (s. Ini. 000000 | s. l. R. 000000)
— Tube contents
  (Tube A: 0000.00 to Tube F: 0000.00; Total: 0000.00)
— Recycler content
  (Recycler not active!)

Submenu: Vends

The Audit menu is displayed: Select the **Vends** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key . In this menu you can inform yourself about the sales effected via the coin changer.

Vends

— Sales of all payment sources
  (s. Ini. 0000.00 | s. l. R. 0000.00;
   Number: s. Ini. 000000 | s. l. R. 000000)
— Cash sales
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Cashless sales
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Token sales
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Free vends
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Free vends with Token
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Test vends
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Discounts
  (s. Ini. | s. l. R.; see "Sales of all payment sources")
— Sales per selection line
  (Selection 001 [bis 100]
   s. Ini. | s. l. R.; see "Sales of all payment sources")

Submenu: Flow of money

The Audit menu is displayed: Select the **Flow of money** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. In this menu you can inform yourself about the flow of money through the coin changer.

Flow of money

- Coin data
  - Coins to cash-box
    (s. Ini. 0001.00 | s. l. R. 0001.00)
  - Coins to tube
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Change paid out
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Change paid out from Hopper
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Coins to tube in manual filling mode
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Coins paid out manually
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Cash overpay
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Credited from machine
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Coin counter
    - Counter: Accept
      (Coin 01 [to 16]
      s. Ini. 000000 | s. l. R. 000000)
    - Counter: In Tube
      (Tube A [to F]: EUR 02.00
      s. Ini. 000000 | s. l. R. 000000)
    - Counter: Paid out
      (Tube A [to F]: EUR 02.00
      s. Ini. 000000 | s. l. R. 000000)

- Bill data
  - Accepted bills
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Bills to Recycler
    (s. Ini. 0000.00 | s. l. R . 0000.00)
  - Bills paid out
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Bills in manually
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Bills out manually
    (s. Ini. 0000.00 | s. l. R. 0000.00)
- Cashless data
  - Debited from Cashless
    (s. Ini. 0000.00 | s. l. R. 0000.00;
    Number: s. Ini. 000000 | s. l. R. 000000)
  - Credited to Cashless
    (s. Ini. 0000.00 | s. l. R. 0000.00;
    Number: s. Ini. 000000 | s. l. R. 000000)
  - Discounts from Cashless
    (s. Ini. | s. l. R. see "Credited to Cashless")
  - Token from Cashless
    (s. Ini. | s. l. R. see "Credited to Cashless")
- Token
  - Accepted Token
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Token overpay
    (s. Ini. 0000.00 | s. l. R. 0000.00)
  - Freevend Token
    (s. Ini. 0000.00 | s. l. R. 0000.00)

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Menu: Inventory

The main menu is displayed: Press key **B** to change to the **Inventory** menu.
At first the current tube combination is displayed in the **Inventory** menu:

Fig. 7: Menu Inventory 1

After about two to three seconds, the complete tube content including the
counter readings of the individual tubes are displayed:

Fig. 8: Menu Inventory 2

You now can pay out one coin each by pressing the keys A, B, C, D, E or F.

Menu: Service

The main menu is displayed: Press key **C** to change to the **Service** menu.
Make the service settings via the **Service** menu.

*Service (main menu, key **C**)*

  ─ *Show payout combination*

  ─ *Coin Management*

  ─ *Token Teach*

Submenu: Show payout combination

The Service menu is displayed: Select the submenu **Show payout combination** using the "Arrow up" [R] or "Arrow down" [B] key and press the "OK" key [E]. The current payout or tube combination of the coin changer is displayed in this menu.

Tube cassette	
A 2.00	**F** 0.50
C 1.00 **D** 0.10	
B 0.05	**E** 0.20

Fig. 9: Menu Payout combination

Submenu: Coin Management

The Service menu is displayed: Select the **Coin Management** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. This menu provides information about coin management.

Payout statistic

Coin Management
- Payout statistic
  (A [to F]: EUR 00.50 ???)
- Status of Analysis
  (Example: 100 % | Analysis completed)
- Proposals for optimization

The amount of coins inserted and paid out again is displayed for each tube in per cent (highlighted in cyan, see above).

> ☞ *Three question marks are displayed when the number of coins inserted and paid out is too low for generating a payout statistic.*

When the displayed value is smaller than 100, the number of coins inserted is larger than that of the coins paid out. When the value is above 100, the number of coins inserted is smaller than that of the coins paid out.

Proposals for optimization

Proceeding from the results of the internal analysis proposals for optimizing the coin management for the coin changer are submitted to you.

Example: "Reduce filling level in tube B to 75 %", because these coins are paid out rarely. You can accept or not accept this proposal. If you accept the proposal, the filling level of the tube is changed to the new value: "Filling level adjusted".

Submenu: Token Teach
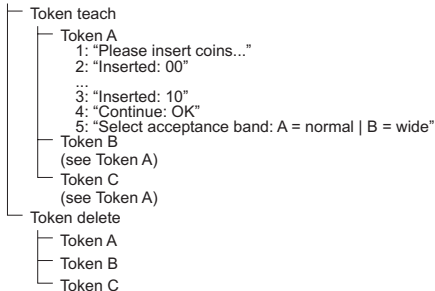
The Service menu is displayed: Select the **Token Teach** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E].

Token Teach

```
├── Token teach
│     ├── Token A
│     │     1: "Please insert coins..."
│     │     2: "Inserted: 00"
│     │     ...
│     │     3: "Inserted: 10"
│     │     4: "Continue: OK"
│     │     5: "Select acceptance band: A = normal | B = wide"
│     ├── Token B
│     │     (see Token A)
│     └── Token C
│           (see Token A)
└── Token delete
      ├── Token A
      ├── Token B
      └── Token C
```

> *Machine interface MDB: the token value is set in the vending machine.*
> *Machine interface BDV/Executive: the token value is set in the submenu Coin settings of this coin changer.*

Teach token

Proceed as described below to teach a token:

1 Select the desired token in the submenu **Token teach**: **token A**, **token B** or **token C**.

You are requested to insert coins via the display:

2 Insert ten coins minimum.

After insertion of the tenth coin the following display appears: "Continue: OK"

3 Press the "OK" key ⌷ , after insertion of the desired number of coins into the coin changer.

4 Select the acceptance band of the token.

After successful teaching of the token the following message appears:

```
i   Info

  Token just
  programmed
```

When teaching of the token has not been successful, e. g. in case of overlapping with existing coins, the following message appears:

```
i   Info

   Token
  could not
be programmed
```

Menu: Diagnostic

The main menu is displayed: Press key **D** to change to the **Diagnostic** menu. The **Diagnostic** menu serves to perform functional tests for various components of the coin changer.

*Diagnostic (main menu, key **D**)*

— *Validator module*

— *Changer module*

— *Payout module*

— *Audit module*
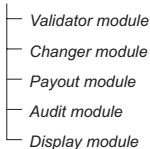
— *Display module*

Submenu: Validator module

The Diagnostic menu is displayed: Select the **Validator module** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key. The following information about the validator module is displayed:

- Software: 1234567-123
- Serial number: 12345678-1234
- Data block: EUR 0 001 (example)
- Status: "OK" or "Error"

Submenu: Changer module

The Diagnostic menu is displayed: Select the **Changer module** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key. The following information about the changer module is displayed:

- Software: 1234567-123
- Status: "OK" or "Error"

Submenu: Payout module

The Diagnostic menu is displayed: Select the **Payout module** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. The current operating status of the payout module is displayed:

- Status: "OK" or "Error"

Submenu: Audit module

The Diagnostic menu is displayed: Select the **Audit module** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. The current operating status of the audit module is displayed:

- Software: 1234567-123
- Status: "OK" or "Error"

☞ *If no audit module is installed, the following message appears: "Audit module not installed".*

Submenu: Display module

The Diagnostic menu is displayed: Select the **Display module** submenu using the "Arrow up" [A] or "Arrow down" [B] key and press the "OK" key [E]. The following information about the display module is displayed:

- Software: 1234567-123
- Status: "OK" or "Error"

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Menu: Settings

The main menu is displayed: Press key **E** to change to the **Diagnostic** menu. Configuration of the coin changer is performed via the **Settings** menu.

Settings (main menu, key E)

   — *Operating modes*

   — *Selling prices (only BDV/Executive)*

   — *Inhibit mask*

   — *Peripheral*

   — *Coin settings*

   — *Other settings*

   — *Audit module*

Submenu: Operating modes

The Settings menu is displayed: Select the **Operating modes** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key . In this menu you can configure the operating modes of the coin changer, e. g. the functions of the inventory keys.

☞ *The operating mode settings depend on the machine interface used (BDV/Executive or MDB).*

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*Operating modes - **BDV / Executive***

- Configure inventory keys
  (keys enabled, keys blocked)
- Selling mode
  - Single or Multi vend
    (Single vend, Multi vend)
  - Committed to vend
    (not active, active)
  - Price Holding
    - Price Holding
      (not active, active)
    - Indicate price
      (not active, active)
    - 2 price lists with Cashless
      (not active, active)
- Limitations
  - Acceptance limit
    (000.00)
  - Change limit
    (000.00)
  - Credit limit for Cashless
    (000.00)
- Residual credit
  (not delete, delete)
- Only tube coins in filling mode
  (not active, active)
- Tube counter correction
  (not active, active)

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*Operating modes - **MDB***

- Configure inventory keys
  (keys enabled, keys blocked)
- Security stock in the tubes
  (payable | not payable)
- Inhibit bill acceptance
  (not active | active)
- Security stock to VMC
  (send to VMC | not send to VMC)
- Only tube coins in filling mode
  (not active, active)
- Tube counter correction
  (not active, active)

Submenu: Selling prices (BDV/Executive)

This menu is only available when the machine interface BDV/ Executive is used.

The Settings menu is displayed: Select the **Selling prices** submenu using the "Arrow up" R or "Arrow down" B key and press the "OK" key E. You can assign a value to up to one hundred prices.

Submenu: Inhibit mask

The Settings menu is displayed: Select the **Inhibit mask** submenu using the "Arrow up" R or "Arrow down" B key and press the "OK" key E. In this menu you can release or block coins (01 to 16) individually.

Only for machine interface BDV/Executive: In addition you can determine the coins (01 to 16) to be automatically inhibited when the tubes are empty.

Submenu: Peripheral

The Settings menu is displayed: Select the **Peripheral** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key. In this menu you can configure the data exchange with peripheral units.

Peripheral
- Cashless - only **BDV / Executive**
  - BDV Cashless
    (not active | active)
  - BDV Cashless (Standard address)
    (not active | active)
  - MDB Cashless (address 0x60)
    (not active | active)
- Bill validator - only **BDV / Executive**
  - Bill validator
    (not active | active)
  - Enable bill acceptance
    (if not empty | if card is present | always)
- Audit unit in the machine - only **BDV / Executive**
  (not active | active)
- Bill recycler
  (not active | active)
- Hopper
  - Communication with Hopper
    (not active | active)
  - Coin signal of Hopper
    (Low-active | High-active)
  - Empty signal of Hopper
    (Low-active | High-active)
  - Coin value in Hopper 1
    (00.00)
  - Coin value in Hopper 2
    (00.00)
  - Coin value in Hopper 3
    (00.00)
  - Coin value in Hopper 4
    (00.00)

![currenza logo]

> *The peripheral units which are supported depend on the machine interface used (BDV/Executive or MDB).*

Submenu: Coin settings

The Settings menu is displayed: Select the **Coin settings** submenu using the "Arrow up" [R] or "Arrow down" [B] key and press the "OK" key [E]. In this menu you can enter the coin settings for the coin changer, e. g. the filling level limit for the tubes in the tube cassettes.

Coin settings

- Filling level limitation
  (Tube A [to e.g. F]:
  actual value / change in value [from 000 to 199])

- Security stock
  (Tube A [to e.g. F]:
  actual value / change in value [from 00 to 09])

- Coin sorting

  - Select tube cassette
    (Tube cassettes 01 to 08)
  - New payout combination
    (Sorting tube A [to e.g. F]: EUR 00.00;
    actual value, value in change)

- Token

  - Setting of token value

    - Value of token A (00.00)
    - Value of token B (00.00)
    - Value of token C (00.00)

  - Setting of free vend token

    - Token A as free vend token
      (no free vend | free vend)
    - Token B as free vend token
      (no free vend | free vend)
    - Token C as free vend token
      (no free vend | free vend)

- Condition for Tube Empty - only **BDV / Executive**
  (0... 99)

- Security level
  (Coin 01 [to 16]: normal | narrow | very narrow)

Submenu: Other settings

The Settings menu is displayed: Select the **Other settings** submenu using the "Arrow up" [R] or "Arrow down" [B] key and press the "OK" key [E].

In this menu you can make general settings for the coin changer, e. g. language and currency code.

Other settings
- Base coin value
  (00.00)
- Language
  (German | English | French | Spanish)
- Currency Code
  (1234)
- MDB-Level
  (Level 2 | Level 3)
- Display contrast
  (00)
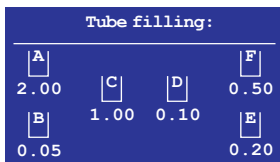- Wake-up time
  (00)

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Submenu: Audit module

The Settings menu is displayed: Select the **Audit module** submenu using the "Arrow up" or "Arrow down" key and press the "OK" key. In this menu you can make the settings for the vouchers.

Audit module
- Machine number
  (000000)
- Configure printer interface
  - Time
    (not printed | printed)
  - Product-specific data
    (not printed | printed)
  - Sales data
    (not printed | printed)
  - Start button on printer
    (not exists | exists)
  - Printer format
    (12 characters | 24 characters)
- Set system Date
  (00.00.00)
- Set system Time
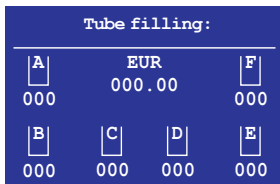 (00.00.00)

Menu: Filling mode

The main menu is displayed: Press the key **F** to change to the **Filling mode** menu. At first the current tube combination is displayed in the **Filling mode** menu:

```
┌─────────────────────────────────────┐
│            Tube filling:             │
│  ┌─┐                            ┌─┐  │
│  │A│                            │F│  │
│  2.00      ┌─┐      ┌─┐       0.50   │
│            │C│      │D│               │
│  ┌─┐       1.00    0.10       ┌─┐    │
│  │B│                           │E│   │
│  0.05                         0.20   │
└─────────────────────────────────────┘
```

Fig. 8: Menu Filling mode 1

After about two to three seconds, the complete tube content including the counter readings of the individual tubes are displayed:

```
┌─────────────────────────────────────┐
│            Tube filling:             │
│  ┌─┐          EUR              ┌─┐  │
│  │A│         000.00            │F│  │
│  000                          000   │
│  ┌─┐       ┌─┐     ┌─┐        ┌─┐   │
│  │B│       │C│     │D│         │E│   │
│  000       000     000        000   │
└─────────────────────────────────────┘
```

Fig. 9: Menu Filling mode 2

Now you can insert coins to fill the tubes.

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