

Operating instructions Thermal printer

KERN YKC-01

Type TYKC-01-A

Version 1.0

2024-05

GB



TYKC-01-A-BA-e-2410



KERN YKC-01

Version 1.0 2024-05

Operating instructions Thermal printer

Contents

1	Technical data	3
2	Declaration of Conformity	4
3	Unpacking.....	5
4	Installation and commissioning	5
5	Device overview	6
5.1	Components	6
5.2	Display overview.....	7
6	Preparing the printer for work	8
6.1	Preparing the paper.....	8
6.2	Connect the printer to a peripheral device via cable.....	8
7	Operation	9
7.1	Switch on/off.....	9
7.2	Paper feed	9
7.3	Check current printer settings.....	10
7.4	Hex printing	11
8	Configuration	12
8.1	General notes on configuring the printer	12
8.2	Start configuration mode	12
9	Requirements for storage and use of thermal paper	13
10	Cleaning and disposal.....	14
10.1	Cleaning	14
10.2	Waste disposal.....	14
11	Errors and faults	14
11.1	Small breakdown service	14
11.2	Error messages.....	14

1 Technical data

KERN	YKC-01
Item number / type	TYKC-01-A
Pressure	Thermal, line-type head
Line width	72 mm
Print speed	250 mm / sec
Print density	15
Character listing	CP437
Interface	RS232
Thermal paper	in a roll, width 80 mm
Max. Reel diameter	83 mm
Input voltage device	24 V, 2.5 A
Input voltage power supply unit	100 V - 240 V
Operating temperature	0 °C ... 50 °C
Air humidity	20 % ... 80 %
Dimensions	125 x 125 x 150 mm (L x W x H)
Weight	760 g (printer only)

2 Declaration of Conformity

You can find the current EC/EU Declaration of Conformity online at

www.kern-sohn.com/ce

3 Unpacking

Scope of delivery:

- Printer
- Power supply unit
- Configuration cable
- Paper roll
- Operating instructions

If any of the items listed above are missing, please contact your dealer immediately.

4 Installation and commissioning

Only work with the printer at workstations with the following ambient conditions:

- Temperature: 0°C - 50°C
- Humidity: 20 - 80 % (without condensation)

Observe the following at the installation site:

- Dust and moisture-free
- Avoid placing the printer next to strong heat sources
- Avoid placing the device within range of strong electrical, magnetic, electro-magnetic and impulse fields and surfaces that accumulate electrostatic charges
- Avoid direct exposure to sunlight, shocks or vibrations

Power is supplied via the external power supply unit. The printed voltage value must match the local voltage. Only use original KERN power supply units. The use of other makes requires the approval of KERN.

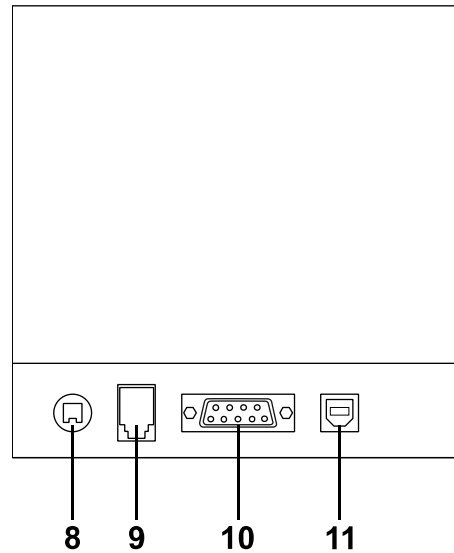
5 Device overview

5.1 Components

Front side:







Reverse side:



Pos.	Designation
1	Power button
2	Unlocking the paper tray
3	Display "Device switched on"
4	„Mode indicator“ display
5	„Paper“ display
6	„Error“ display
7	Paper feed button
8	Mains connection
9	Connection for cash drawer
10	RS232 connection
11	USB connection

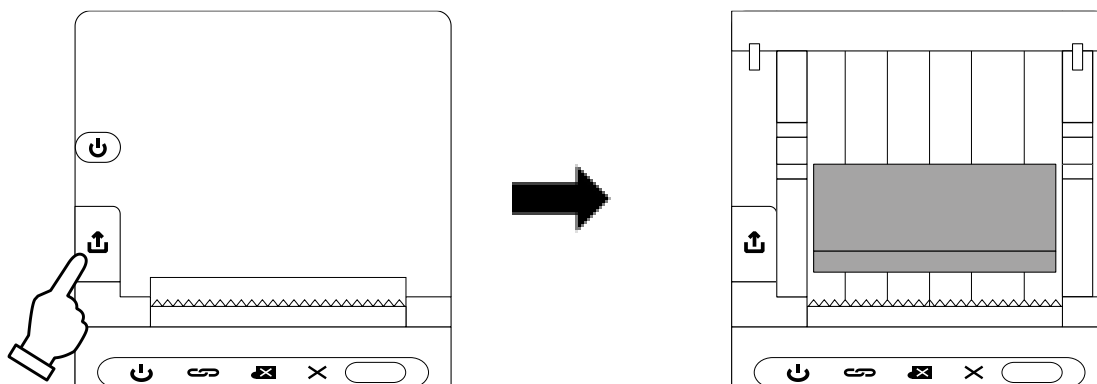
5.2 Display overview

Display	Status	Meaning
	Lights up permanently	Printer is switched on
	Lights up permanently	Printer in standby mode
	Lights up permanently	Paper blank
	Does not light up / Off	Normal
	Lights up permanently	Paper tray is open
	Flashing (various flashing modes)	Printer has an error (for errors, see chapter 11.2)

6 Preparing the printer for work

6.1 Preparing the paper

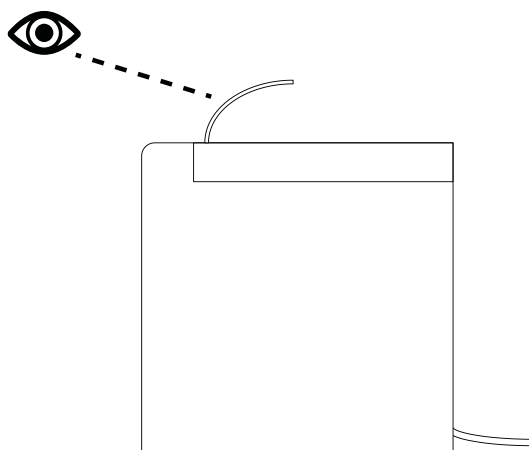
1. Press the paper tray release and open the paper tray



2. Guide the end of the paper roll in the paper tray outwards

Note: The coated side must face the user.

3. Close paper tray



4. Tear off excess paper with the cutting strip

6.2 Connect the printer to a peripheral device via cable

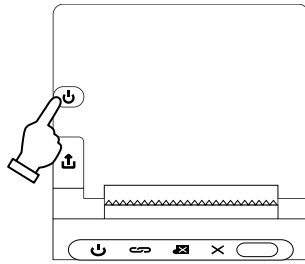


Only use accessories and scales from KERN with your printer. When connecting the cables to the printer, it must be disconnected from the mains voltage.

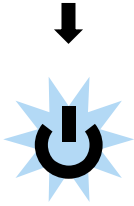
1. Connect the printer to the scale via RS232
2. Connect the power supply unit to the printer and connect it to the power supply

7 Operation

7.1 Switch on/off



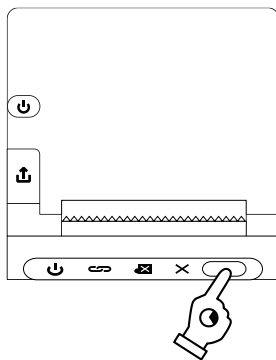
⇒ Press the power button



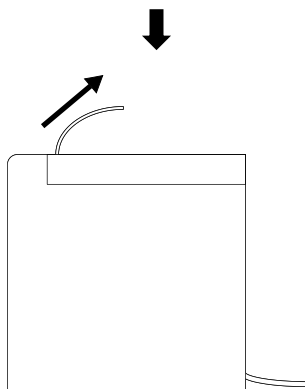
⇒ "Device switched on" indicator lights up

⇒ The display goes out when switching off

7.2 Paper feed



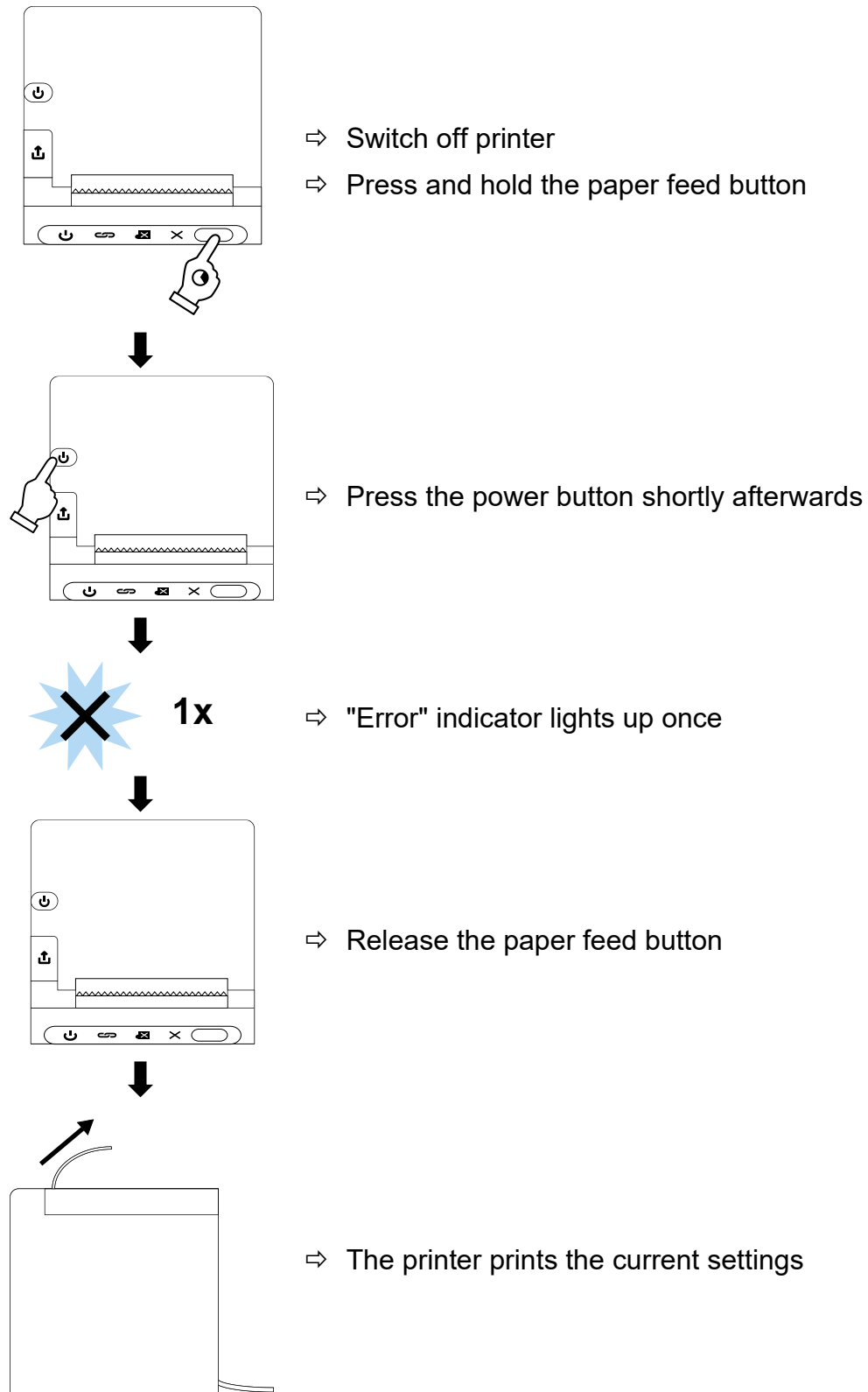
⇒ Press and hold the paper feed button



⇒ Paper is output as long as the button is pressed

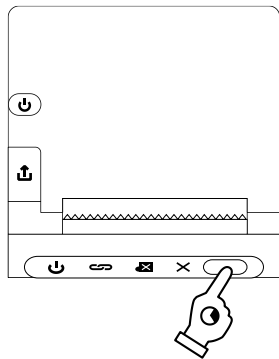
Note: If more than 30 cm of paper has been dispensed, the paper feed stops automatically

7.3 Check current printer settings

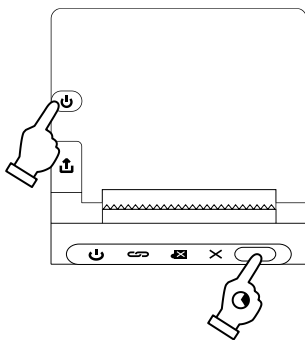


7.4 Hex printing

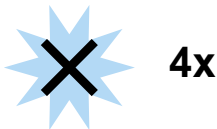
Activate hex printing:



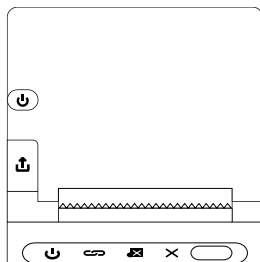
- ⇒ Switch off printer
- ⇒ Press and hold the paper feed button



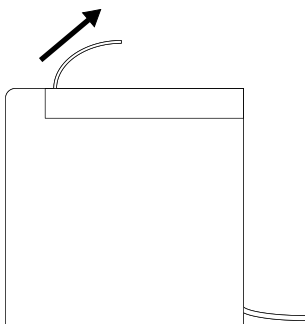
- ⇒ Press the power button shortly afterwards (do not release the paper feed button)



- ⇒ Wait until the "Error" indicator lights up 4 times

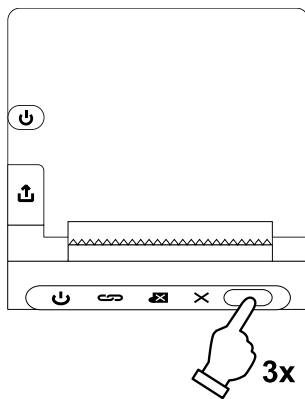


- ⇒ Release the paper feed button



- ⇒ The printer prints a confirmation for the activation of hex printing

Deactivate hex printing:



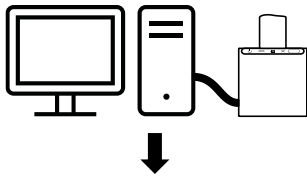
⇒ Press the paper feed button 3 times

8 Configuration

8.1 General notes on configuring the printer

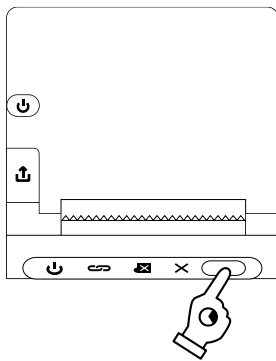
Software is required to configure the printer. You can obtain the software at: www.kern-sohn.com

8.2 Start configuration mode

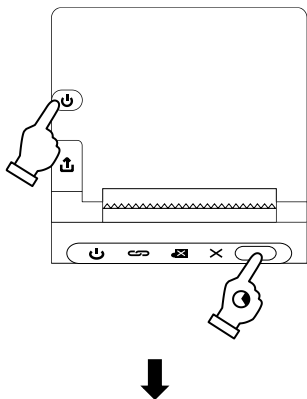


⇒ Switch off printer

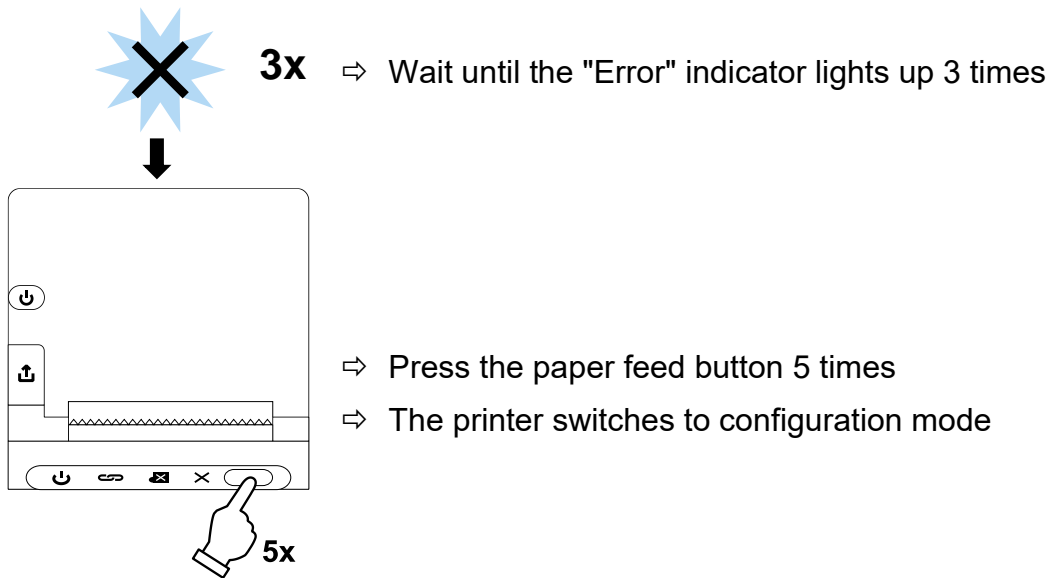
⇒ Connect the printer to a PC via USB or RS232



⇒ Press and hold the paper feed button



⇒ Press the power button shortly afterwards (do not release the paper feed button)



9 Requirements for storage and use of thermal paper

Long-term usability of thermal paper is achieved through correct storage.

Storage:



- Dark storage locations (no direct sunlight)
- Max. relative humidity 65%
- Max. Temperature 25°C

Only store printed paper under the following conditions:



- No direct sunlight or intense room light
- No contact with alcohol, solvents and similar substances (e.g. adhesives),
- No storage in PVC sleeves
- Storage temperature < 25°C.

10 Cleaning and disposal

10.1 Cleaning

- Carefully clean the rubber roller and print head with isopropanol.
- When cleaning, ensure that the print head is not moved.

10.2 Waste disposal

The operator must dispose of the packaging and appliance in accordance with the applicable national or regional legislation at the place of use.

11 Errors and faults

11.1 Small breakdown service

Malfunction	Remedy
The switch-on indicator lamp does not light up	Check that the power supply unit is connected to the printer and to the mains supply
The paper does not stand out	Check that the paper is loaded correctly and that the printer's input slot is clear
The paper comes out of the printer unprinted	Check that the paper is loaded with its thermo-sensitive side facing the print head
It is not printed and the paper does not emerge	Check whether the connection cable is connected to the printer and the device and whether the printer prints the self-test
The expression is unclear	<ul style="list-style-type: none">• Check that the operating temperature is above the permitted value and that the paper recommended by the manufacturer is being used• Follow the cleaning instructions described in this document

11.2 Error messages

Error	Explanation
1 x flashing	Errors when reading and writing to the memory
Flash 2 x	Overvoltage
Flash 3 x	Too little tension
Flash 4 x	CPU error (wrong address)
Flash 5 x	UIB error
Flash 6 x	FLASH error when writing
Flash 7 x	Error when saving the parameter
Flash 8 x	Error in the temperature detection circuit