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Operating instructions

KERN YKC-01 (Software)

Version 1.0

10/2024

GB

TYKC-01-A-ZB-e-2410



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Version 1.0 10/2024

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1 Introduction

This manual was created to explain how to use and set the parameters for the “Setting Tools V2.0” Application.

2 Open and run

The screenshot shows the 'Setting Tools V2.0' application window. It contains several sections for configuring serial and printer settings. Numbered callouts (1-19) point to specific UI elements:

- 1**: Port dropdown menu (set to COM1)
- 2**: Baud Rate dropdown menu (set to 9600)
- 3**: Parity dropdown menu (set to NONE)
- 4**: Data Bit dropdown menu (set to 8)
- 5**: Handshaking dropdown menu (set to RTS/CTS)
- 6**: Char Setting Printer dropdown menu (set to No change)
- 7**: Language dropdown menu (set to No change)
- 8**: CodePage dropdown menu (set to No change)
- 9**: Handshaking dropdown menu (set to RTS/CTS)
- 10**: Sensor dropdown menu (set to No change)
- 11**: Offset dropdown menu (set to No change)
- 12**: Speed dropdown menu (set to No change)
- 13**: Density dropdown menu (set to No change)
- 14**: OD CR dropdown menu (set to No change)
- 15**: Direction dropdown menu (set to No change)
- 16**: Width dropdown menu (set to No change)
- 17**: Beep dropdown menu (set to Do not change)
- 18**: Cut dropdown menu (set to No change)
- 19**: USB Type dropdown menu (set to No Change)

Other visible elements include a 'Setting' button, a 'Property' section with fields for Manufacturer, Model, Serial, BT_Name, and BT_Password (each with a 'Modify' checkbox), a 'Printer Serial' section with a 'Modify' checkbox, and a 'Download Bitmap' section with a 'Bitmap Index' dropdown (set to 0) and 'Download' and 'Print' buttons.

3 Format introduction

3.1 Curren Serial

The printer's current settings can be communicated between the printer and the program.

Self-test: While the printer is off, press and hold the feed button, then press the power button.

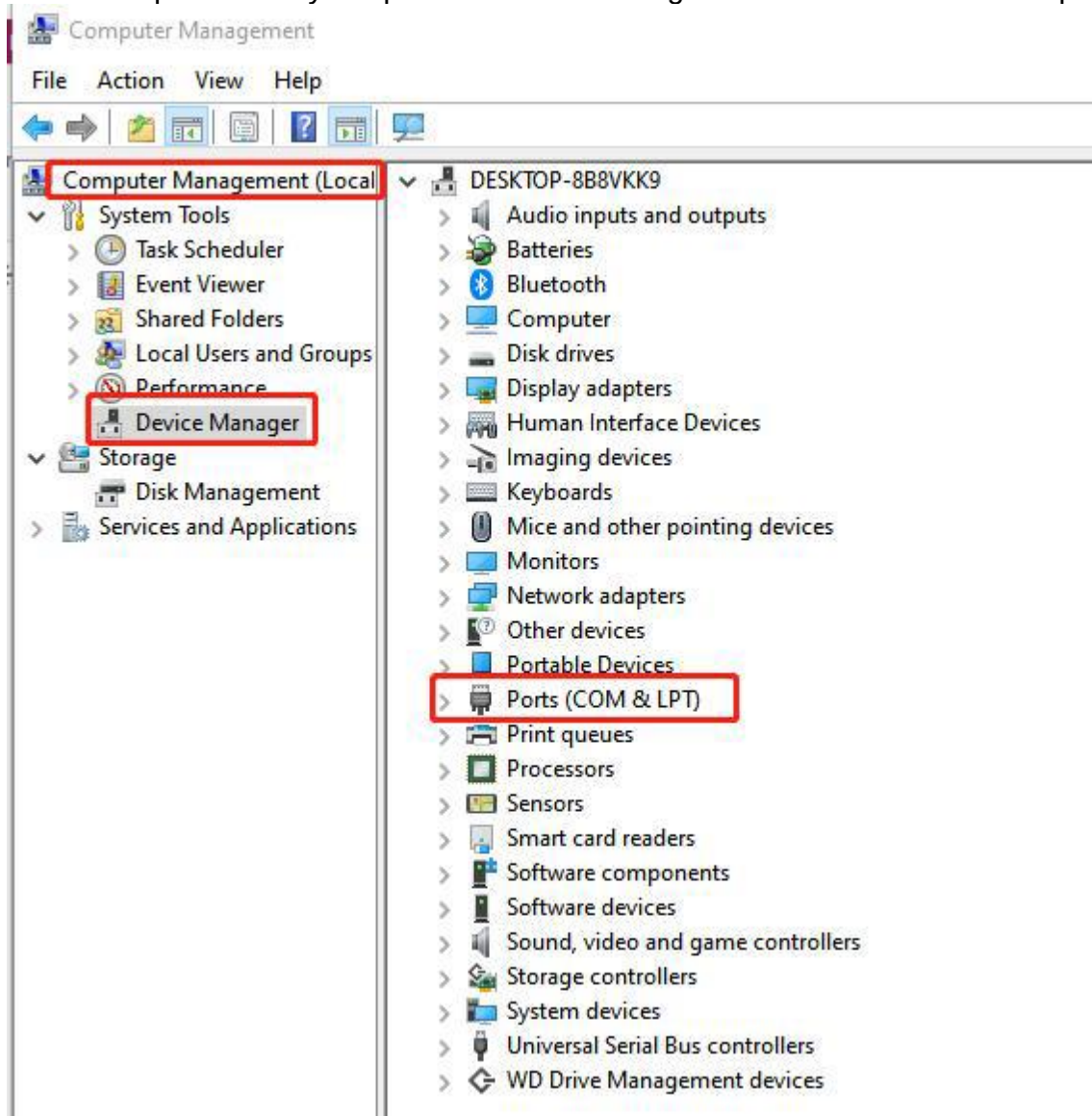
Release the key when you hear the "power on beep". A self-test page will then be Automatically showing the printer's current parameters.

(1) Port

It's the port used to connect the printer to the PC. It only works normally with the correct port number.

(To ensure a good connection, other parameter settings should match those of the printer).

Check the port used by the printer: Device Manager → Port: As shown in the picture



(2) Baud rate

The speed of a microcontroller or computer in serial communication.

(3) Parity

Method of correcting data errors used during data transmission.

(4) Data Bit

Data needs to be decomposed into 7 or 8 bits, i.e. one byte, and transmitted separately.

(5) Handshaking

There are two ways for control flow : XON/XOFF and RTS/CTS.

3.2 Transfer settings to the printer

1. Open Port

When the 2.1 setting is complete, click the Open Port button (1) to open the appropriate port.

2. Set

Once all the parameters have been selected, click on the 'Setting' button to send the settings to the printer and apply the changes.

3.3 Property

- Manufacturer
- Model
- Serial
- BT_Name (Bluetooth) N/A
- BT_Password (Bluetooth) N/A

By default, the input fields for these attributes are not editable. You must select the 'Modify' box before modifying, to enter the modified values.

3.4 RS232 Interface Setting

Refer to 3.1 to set RS232 serial interface parameters.

3.5 Char Setting

(6) Printer

Set font size

(7) Language

Simplified Chinese, Western (English), Japanese, etc.

(8) CodePage

An alias for character set encoding, also known as an "internal code table".

3.6 BlackMark

(9) Check

Default is off (No checking)

(10) Sensor

Refers to black mark sensitivity.

(11) Offset

The offset value after detecting black marks.

Blank

Can be put at the starting position and tearing position of the positioning offset.

3.7 Others

(12) Speed

Printing speed

(13) Density

Print density

(14) OD CR (Carriage return)

Default is "No change".

(15) Direction

Default is "No change".

(16) Width

Valid printing width

(17) Beep

To set alarm, paper out buzzer setting.

(18) Cut

Enable or disable auto cutting

(19) USB Type

Printer : USB printing

CDC : USB to RS232 printing

3.8 Download Bitmap

- **Bitmap index**

Save the downloaded bitmap and corresponding index. Then these indexes can be used to print later.

- **Download**

Save the bitmap to the printer and bind it to the corresponding index.

- **Print**

Print the bitmap corresponding to the index.

4 Operation process

1. Connect computer → Power on → Run the tool
2. Select the correct current port configuration → "Setting" → Success: The title bar will display the successful connection, and the button also changes to "close" (failed: there will be a corresponding prompt for failure)
3. Click the box before modifying the items that need to be modified and make the corresponding modifications.
4. After making the changes, click "Set" → Success: Restarting the printer will take effect (Failure: there will be a corresponding response Prompt) → "Close" (Successful: Port closed)
5. Restart the printer and repeat step 2 to 4.

5 FAQ

1. Connection failure: 1) Port incorrect 2) Port occupied
2. Setting failed, please check:
 - 1) If the serial port settings are inconsistent with the printer's serial port
 - 2) If the printer is turned off