

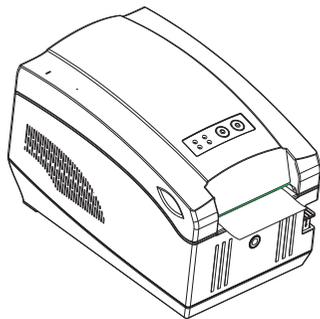
User's Manual

Specification

Line Thermal Printer

A83I

Thermal Barcode Printer



Introduction

Thanks for choosing our new thermal barcode printer A83I. This manual guides user how to operate A83I, please read this manual carefully before using and keep this manual for reference when necessary.

Main Features:

1. Support thermal paper roll, thermal label paper and stick paper.
2. High print speed 127mm/sec.
3. Support printing media width from 20mm to 80mm, easy operation.
4. Support the 100mm diameter of paper roll.
5. Over-temperature protection function.
6. Two kinds of interface optional: USB+Bluetooth (standard), USB+WIFI (optional), support communication with Android or iOS device.
7. Support label mode and receipt mode.

Safety notice

- Install the printer on the stable surface. Choose firm and level surface where avoid vibration.
- Keep enough space for printer operation and maintenance.
- Keep printer away from water, sunshine, high lights and heat source.
- Do not use and store the printer under high temperature, moist and seriously polluted environment.
- Avoid to put the printer in shaky areas.
- Condensation of moisture on the printer surface is not allowed. If failed, do not turn on the printer until dew disappears.
- Connect AC power adapter to a proper power outlet. Avoid to use the same outlet with other large electric machines which generate voltage fluctuation.
- Please unplug the printer power cable from outlet if the printer will not be used for a long period of time.
- Do not let water or conducting material (eg. metal) into the printer. Please turn off the printer immediately once happened.
- Do not print when it is out of paper, which will seriously damage the printer head and rubber roller.
- Make sure printer power is turned off when connecting and disconnecting with the interface.
- When printing quality meets your need, we recommend you set low grade print density.
- Do not try to disassemble, repair or remodel the printer by yourself.

Unpacking

After unpacking the unit, check that all the necessary accessories are included in the package.

Printer	1pcs
USB cable	1pcs
Power adapter	1pcs
Power cable	1pcs
User's manual	1pcs

Technique Spec

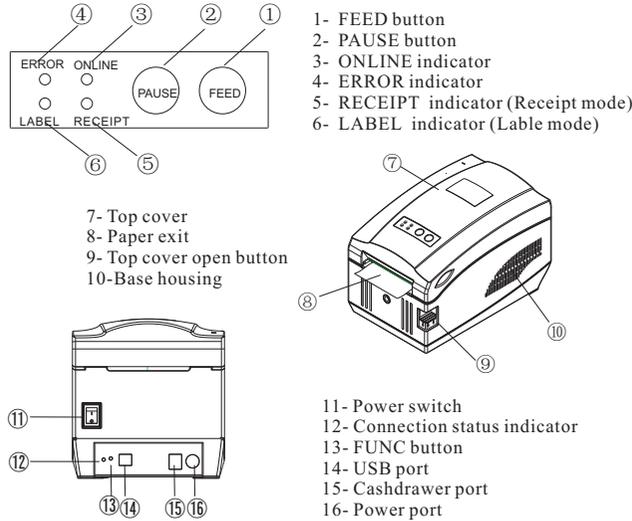
Thermal Barcode Mode		
Print	Print method	Direct thermal line
	Dot density	203DPI
	Print width	80mm (max)
	Print speed	127mm/s (max) , 101mm/s (Normal)
	Buffer	DRAM: 128K FLASH: 128K
	Temperature sensor	Thermal sensitive resistance
	Position sensor	Microswitch
	Detection sensor	Photoelectricity
	Interface	USB+Bluetooth (Standard) USB+WIFI (Optional)
Character & Barcode	Barcode	CODE128、EAN128、ITF、CODE39、CODE93、EAN13、EAN13+2、EAN13+5、EAN8、EAN8+2、EAN8+5、CODEBAR、UPC-A、UPCA+2、UPCA+5、UPC-E、UPCE+2、UPC-E+5、QR Code
	Character font	Font 0 ~ Font 8
	Enlargement & Rotation	1~10 times enlargement in horizontal and vertical directions; Rotation printing (0°, 90°, 180°, 270°)
	Image	Single color PCX, BMP image file can be download into Flash and Dram
Power	Power Supply	DC24V/2A
	Cashdrawer out	DC24V/1A
Environment	Work environment	5~45°C , ≤90%RH
	Storage environment	-10~50°C , ≤90%RH
Physical properties	Dimension	250mm (L) *150mm (W) *156mm(H)
	Weight	1250g

Note: Please refer to the driver installation manual attached printer U-disk.

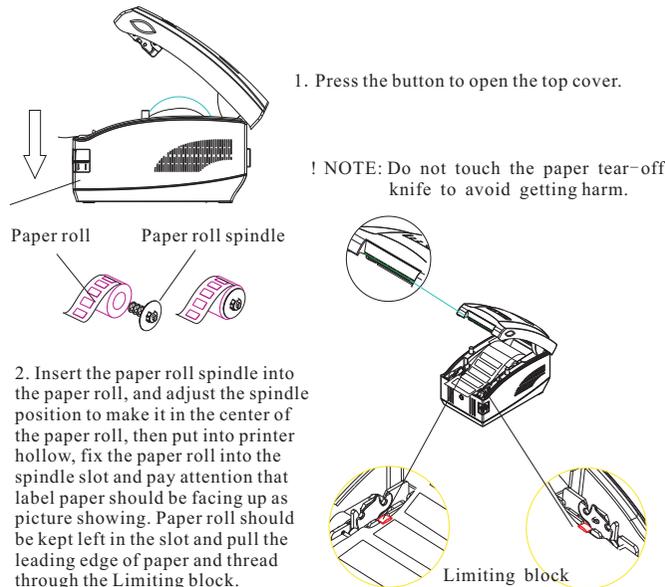
Technique Spec

Thermal Receipt Mode		
Print	Print method	Direct thermal line
	Dot density	203DPI
	Print width	72mm (max)
	Print speed	127mm/s (max)
	Buffer	DRAM: 128K FLASH: 128K
	Temperature sensor	Thermal sensitive resistance
	Position sensor	Microswitch
	Detection sensor	Photoelectricity
	Interface	USB+Bluetooth (Standard) USB+WIFI (Optional)
Character & Barcode	Barcode	UPC-A, UPC-E, JAN13(EAN13), JAN8(EAN8), CODE39, CODEBAR, ITF, CODE93, CODE128, QR Code
	Character font	ASCII
		FontA: 12*24 dots
		FontB: 9*17 dots
		GB18030
		Simplified/traditional Chinese/Korean: 24*24 dots
Enlargement & Rotation	1~10 times enlargement in horizontal and vertical directions; Rotation printing (0°, 90°, 180°, 270°)	
Image	Single color PCX, BMP image file can be download into Flash and Dram	
Power	Power Supply	DC24V/2A
	Cashdrawer out	DC24V/1A
Environment	Work environment	5~45°C, ≤90%RH
	Storage environment	-10~50°C, ≤90%RH
Physical properties	Dimension	250mm (L) *150mm (W) *156mm(H)
	Weight	1250g

Printer parts



Paper Roll Installation



Beeper and Buttons

Item	Descriptions	Printer Status
1	Turn off the printer power, press and hold on FEED button, then turn on the printer power, after hearing a beep, release FEED button.	Print self-test page
2	Turn off the printer power, press and hold on PAUSE button, then turn on the printer power, after hearing a beep, release PAUSE button.	Hexadecimal Dumping
3	Turn off the printer power, press and hold on the PAUSE button and FEED button, then turn on the printer power, after printing a page showed current printer mode, release two buttons. Repeat the steps above to change the printing mode in between label and receipt mode.	Change print mode
4	In label mode, turn on the printer power, press and hold on the PAUSE button, printer detect the gap automatically, then feed and backfeed labels, release PAUSE button when stop feeding.	Gap sensor calibration
5	Turn off the printer power, press and hold on PAUSE button, then turn on the printer power, after hearing the second beep, release PAUSE button.	Printer initialization
6	Turn off the printer power, press and hold on FUNC button, then turn on the printer power, after hearing a beep, release FUNC button.	WiFi module initialization (For WiFi printer)
7	Turn on the printer power, press and hold on FUNC button, ERROR indicator (red light) lights for the first time and then dims, release FUNC button, interface information page comes out.	Print interface information page
8	Turn on the printer power, press and hold on FUNC button, ERROR indicator (red light) lights for the second time and then dims, release FUNC button, reset starts, ERROR indicator (red light) will light 1 time once again when reset completed.	Interface module reset
9	In label mode, press PAUSE button during printing and the printing job is suspended, press FEED or PAUSE button again to continue printing.	Pause printing

Indicators

Item	Indicators Status	Descriptions
1	Red light (ERROR indicator) flashes fast, Blue light (ONLINE indicator) is OFF.	Printer cover is open
2	Red light (ERROR indicator) flashes 2 times then dims, Blue light (ONLINE indicator) is OFF.	Paper shortage or gap sensor calibrated error
3	Red light (ERROR indicator) and Blue light (ONLINE indicator) flashes alternately.	Print head overheated

The printer supports both continuous and non-continuous paper.

- Continuous type: Paper roll without adhesives
- Non-continuous type: Sticker paper