Thermal Barcode Printer User's manual

OUTLOOK AND INSTALL PAPER ROLL

Remove the used roll paper core if any, and insert the roll paper. The correct direction of the paper is shown in the illustration below.



A.Connect AC power cord power, DC power cord to printer. B.Connect printer and computer/tablet. C.Connect cash drawer.

STEP 2 - INSTALL DRIVER

USB port driver installation



1. 1. Double-click "EMLabelDriver" 2. USB driver installation driver installation

1) Select USB port and printer type;

2) Choose the size according to the labeling machine model;

 Install Configuration 		×
You are using Windows 10 ; Please select Windows 10 t Select Windows OS Windows XP Windows 2003 Windows 7 Windows 7	x64 OS. o Install. O Windows Vista O Windows 8/8.1 © Windows 10	Port Check USB003 V
Printer Interface :		
Label printer EML-400L (4inch) C EML-200L (2inch)	O EML-300L (3inch)	Check Port PrintSelftest
Set Default Printer		Install Now

3) Click Start Installation

	ation.	
Install Configuration		×
You are using Windows 10 Please select Windows 10 Select Windows OS Windows XP Windows 2003 Windows 7 Windows 11	0 x64 OS. to install. O Windows Vista O Windows 8/8.1	Port Check USB003 V
Printer Interface :	OLAN OBLE	
Label printer		Check Port
EML-400L (4inch) EML-200L (2inch)	O EML-300L (3inch)	PrintSelftest

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STEP 1 - CONNECT PRINTER

1- Top Cove 2- Body 3- Power Indicator 4- Error Indicator 5- Online Indicator 6- Printing Button 7- Top Cover Open Button 8- Front Cover



9- Base Housing

10- Network Port 11- USB Port 12- Cash Drawer 13- External power port
14- Power
15- Print Head
16- Media Guide 17- Media sensor 18- Media Roll Spindle



INSTALL DRIVER

Serial port driver installation



1. 1. Double-click "EMLabelDriver" 2. Serial port installation driver installation

- 1) Select serial port, printer type and port number;
- 2) Choose the size according to the labeling machine model;
- 3) Select the baud rate (default is 19200, check the printer baud rate: self-test page-serial config);

elect Windows OS		Port Check
O Windows XP O Windows 2003 O Windows 7	 Windows Vista Windows 8/8.1 Windows 10 	COM7
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abel printer		Check Port
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4) Click Start Installation.

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Printer Inter	face :				
	● COM	OLAN		19200	

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Tips: Product design and specifications are subject to change without prior notice

CONNECT PRINTER





Self-test Page Sample:

SELFTEST

VERSION :	V2.00ZG (2019-05-29)
INTERFACE :	USB &
	Ethernet (10M/100M)
PROTOCOLS	TCP/IP
IP ADDR :	192.168.3.153
MAC ADDR :	00-FC-FC-FC-27-DF
NETMASK :	255.255.255.0
GATE WAY :	192.168.1.1
SPEED :	5
DENSITY :	7
SIZE :	76.00 mm, 30.00 mm
GAP :	2.00 mm, 0.00 mm
CODE PAGE :	437
MILAGE(m) :	35.599377 m
REFERENCÉ :	0.00 mm, 0.00 mm
DIRECTION :	0.0
SHIFT :	0
OFFSET :	0
SET PEEL :	OFF
SET TEAR :	ON
SET HEAD :	ON
SET PRINTKEY	' : OFF
SET PEPRINT	: OFF
SET KEY1(FEEI	D) : ON
SET KEY2(PAU	ISE) : ON
TAIWANESE B	IG5 : TST24.BF2



:	15524.BF2
:	К
:	YES
:	LABLE
:	QRCODE,PDF417,DMATRIX
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C Enci200e (Zinch)	
	Install Now
Set Default Printer	English 🗸

4) Select YES to print the test page and check the printer driver name;

You are using Windows 1 Please select Windows 10 Select Windows OS	0 x64 OS.) to install.	Port Check
○ Windows XP ○ Windows 2003	 Windows Vista Windows 8/8.1 	USB003 ~
O Windows O Windows	elDriver	×
Printer Interface ?	Succeed ! Do you want to printing test pa	ige?
Label printer	Yes No	Check Port
 EML-400L (4inch) EML-200L (2inch) 	O EML-300L (3inch)	PrintSelftest
		Install Now

5) Installation is complete.

© EML-200L (2inch)	C EME-300E (SINCH)	PrintSelf	test
		Install N	low
Set Default Printer		English	~

5) Select YES to print the test page and check the printer driver name;

Install Configuration	×
You are using Windows 10 x64 OS. Please select Windows 10 to install. Select Windows OS O Windows XP O Window O Windows 2003 O Window	Port Check ws Vista ws 8/8.1
O Windows O Windows	×
Printer Interfac O USB	to printing test page?
Label printer	Yes No Check Port
EML-400L (4inch) O EML-30 EML-200L (2inch))OL (3inch) PrintSelftest
	Install Now
Set Default Printer	English \vee

6) Installation is complete.

INSTALL DRIVER

LAN port driver installation



1. Double-click "EMLabelDriver" 2. LAN driver installation

1) Select the network port and IP port number;

2) Choose the size according to the labeling machine model;

 Windows XP Windows 2003 Windows 7 Windows 11 	 Windows Vista Windows 8/8.1 Windows 10 	192.168.3.100
Printer Interface :		
⊖ USB ⊖ COM		192.168.3.1
		Check Port
Label printer		
EML-400L (4inch)	O EML-300L (3inch)	
EML-400L (4inch)	O EML-300L (3inch)	PrintSelftest

3) Click Start Installation.

○ Windows XP ○ Windows 2003 ○ Windows 7	○ Windows Vista ○ Windows 8/8.1 ● Windows 10	192.168.3.100
O Windows 11 Printer Interface :		
О USB О СОМ	● LAN ○ BLE	192.168.3.10
Label printer		Check Port
EML-400L (4inch) EML-400L EML-400L	O EML-300L (3inch)	
O EML-200L (2inch)		PrintSelftest

4) Select YES to print the test page and check the printer driver name;

Select Windows OS		Port Check
Windows XP Windows 2003	 Windows Vista Windows 8/8.1 	192.168.3.100
O Windows		
Printer Interfac	Succeed ! Do you want to printing test pa	age?
O USB	Succeed ! Do you want to printing test pa Yes N	age? 168 . 3 .10 Check Port
Printer Interfac USB Label printer © EML-400L (4inch) O EML-200L (2inch)	Succeed ! Do you want to printing test pa Yes N O EML-300L (3inch)	age? 168 . 3 . 100 o Check Port PrintSelftest

5) Installation is complete.

INSTALL DRIVER

Bluetooth driver installation



1. Double-click "EMLabelDriver" 2. Bluetooth driver installation

1. The computer is connected to the printer Bluetooth. Bluetooth name: Printer001 key: 0000.



1) Select the Bluetooth port and IP port number;

2) Choose the size according to the labeling machine model;

	×
Port Check	
COM4 rinter001 COD30C6BA34	~
19200	~
Check Port PrintSelftest	
Install Now	
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3) Click Start Installation.

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5) Installation is complete.

4) Select YES to print the test page

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dows XP O Windows Vista COM4 ~
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	You are using Windows 10 kW (05. Hease elect Windows 10 to initial, Select Windows 05
	C Windows XF O Windows Vista C Windows 2003 O Windows 8/6.1 C Windows 7 @ Windows 10 C Windows 11
	Printer Interface :
	Label printer
1	® EMI 4001 (rinch) O EMI 2001 (Birch) O EMU-2001 (2nch)
]	
	Set Default Printer

WIFI driver installation

INSTALL DRIVER



1. Double-click "EMLabelDriver" 2.WIFI driver installation

1. Use "Printer Test V5.1C", plug in USB cable, select USB connection, and select "advanced" 2. Select network settings.



NV Logo Test	NVDownie		
2D Bancode test	Print2D Dars		
Black Mark Setting:	BlackMark		
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Not Setting	SetNet	BluetoothSet	
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3. Set the IP of the printer WiFi (note that the IP needs to be set at the same gateway as the home network), and the 4. Double-click "EMLabelDriver'



printer is connected to the home network; Net Setting NetMas

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5. Use "EMLabelDriver" for driver installation;

select the network port and IP port number;
 Choose the size according to the labeling machine model;



VERSION : V2.132GU (2020-10-30) INTERPACE USB & SERIAL 10200,N,5.1 & SERIAL 1020, SERIAL 1000 NGC 0000R (00-DB-CB-C3-17-61) CATE UAY 102,156.1.1 RAT DMCD, 01abble ADDR IC ADDR ITE LIAY IT DHCP ICP TIME DHCP : Digable P TITE: 99 WIFI(802.11g/g/n I Hode: APSTA Name : WIFI Printer Key : WPA2PSK, AES.0123. IPADDR: 10.10.254 IPADDR: 10.10.255.0 AP Name AP key AP IPADDR: 192.168.3.67 255.255.255.0 192.168.3.1 75.00 mm, 29.08 2.00 mm, 0.00 mm

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	Check Fort	Label proter	Yes
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	enifiqu 🗸	Set De5ault Pointer	

INDICATORS

The printer has two indicators (POWER indicator in blue light and ERROR indicator in red light) and two buttons (PAUSE and FEED).

ltem	Indicators Status	Descriptions
1	POWER indicator is ON ERROR indicator is OFF	Printer is powered on and in normal print mode.
2	POWER indicator flashes slowly (640ms) ERROR indicator is OFF	Printer is paused.
3	POWER indicator flashes fast (160ms) ERROR indicator is OFF	Printed label is peel-off but not taken off.
4	POWER indicator is OFF ERROR indicator flashes fast (160ms)	Printer cover is opened.
5	POWER indicator is OFF ERROR indicator flashes slowly (640ms)	Paper shortage or gap sensor calibrated error.
6	POWER indicator flashes fast (160ms) ERROR indicator flashes fast (160ms)	Printer overheated protection is activated. After 1 minute, the printer will check again the temperature of print head. If the temperature gets right, printer resumes working.

TROUBLESHOOTING

Problems	Possible Reasons	Solution and Suggestion
The power indicator is not on.	1. The plug of the AC socket and the plug of the power adapter are not properly connected with the printer socket; 2. The printer power switch is not turned on;	 Check whether the power plug is connected correctly; Turn on the printer power switch;
The indicator light flashes and the buzzer sounds.	1. The clearance sensor does not detect correctly; 2. The upper cover of the shell is not closed in place; 3. The printing label paper is exhausted;	 Re-adjust the label specification and print it; Check the closure of the upper cover of the shell; Replace the printing label paper;
Paper jumping occurs when printing.	The label sensor is covered with dust, resulting in inaccurate detection.	Clean the dust of the sensor with an air brush;
The printer can't work properly.	Printer setup error	Restore factory settings; Turn off the printer power- press the "FEED" key-lurn on the power at the same time-when ERROR LED and POWER LED are flashing at the same time (single indicator lights are flashing red and blue), release the "FEED" key, and the factory will be successfully restored with a drop;
The network port connection cannot be printed.	IP address conflict	To modify the printer IP address: use "PrinterTestV5.1C" for setting, and connect the printer -NEW IP-input IP-set New IP;
Bluetooth can't print	Other Bluetooth devices occupy the serial number of the printer Bluetooth.	Uninstall occupied Bluetooth device
Poor print quality	1. The label paper is not installed correctly; 2. Dust or adhesive accumulates in the print head. 3. The printing density is set incorrectly; 4. The print head is damaged;	1. Reinstall the label paper; 2. Clean the print head and rubber roller; 3. Adjust the printing density and printing speed of the print head; 4. Print the self-test page to determine whether the print head is damaged, and if so, please replace the print head;
The left and right printing contents are missing;	Paper settings are incorrect;	Set the correct print label size;

CLEARANCE AND MAINTENANCE

Clearance

- One of the following occurred, please clean printing head.
- (1) Printing is not clear.
- (2) Any vertical is not clear.
- (3) Paper feed noisily.

Printing head cleaning steps:

Parts to be cleaned	Step	Recommend cleaning frequency	
	 Turn off the printer. Allow the print head to cool for at least one minute. Use a cotton swap and 100% ethanol to clean the print head surface. 	When change new label paper	
Print head	Print mechanism Print head	Print mechanism Print head	
Rubber roller	1.Turn off the printer. 2.Rotate the platen roller and use a cotton swap to clean with 100% ethanol.	When Change new label paper	
Paper tear bar	Use a cotton swap and 100% ethanol to clean.	When necessary.	
Sensor	Use air brush or vacuum to clean dust of sensor.	Monthly.	
Inner side of printer	Use air brush or vacuum to clean the dust.	When necessary.	



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7)Select YES to print the test pa

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est.	@ EML-400L (4ndt)	O sML-300L (anch)	,	Inthalftest	

8) Installation is complete.



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Buttons

Item	Functions	Descriptions	
1	Feed	Press the FEED button when POWER indicator is on and ERROR indicator is off. It feeds the label to the beginning of the next label	
2	Pause	Press the feed button during printing and the printing job is suspended.	
3 Self-test 1. Turn off the printer power. 2. Make sure the paper roll is installed correctly and the top cover is closed. 3. Press the Feed button and turn on the power, When the beeper sounds, release your hand the selftest paper will come out		 Turn off the printer power. Make sure the paper roll is installed correctly and the printer top cover is closed. Press the Feed button and turn on the power, When the beeper sounds, release your hand the selftest paper will come out 	
4	Gap sensor calibration	Set label specification in driver property or by sending commands, then print a label, printer will automatically calibrate the label paper.	
5	Receipt&Label switch	Turn off the printer power. Make sure the label roll is installed correctly and the printer top cover is closed. Press the paper feed button and turn on the printer POWER. When the power indicator (blue light) and the error indicator (red light) are on at the same time, release the button. Then follow the tips to switch.	

Notice 1)Please make sure power off when maintaining printer. 2)Don't touch or scratch printing head surface, roller and sensor. 3)Avoid gas, acetone or other organic solvent. 4)Wait till alcohol completely volatilized, close top cover and connect power again. Try print self test to make sure it works properly.

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