

# T4 series user's manual

Version: 2.1



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# About this user's manual

Firstly, thank you for purchasing Sbarco's T4 series printer. T4 printer could provide you a reliable, easy and clear way to print all kind of labels and barcodes you need.

This user's manual is described with a large quantity of illustrations, let the users understand, step by step, how to work this printer to its best. This manual includes also the troubleshooting section which could provide a pre-way to eliminate or find out the troubles, without the help of technician. If users still cannot banish the troubles from the printer, please contact directly the distributors.

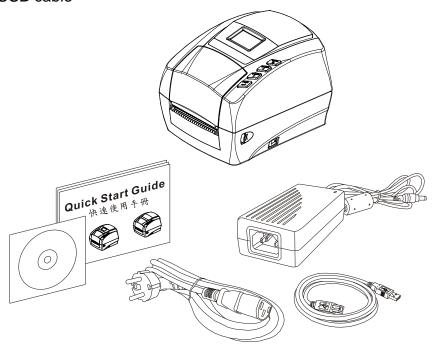


#### 1. Introduction

#### 1.1 In the box

After unpacking, please inspect carefully and make sure that you receive all the necessary parts as below:

- ✓ Printer
- ✓ Power supply
- ✓ Power Cord (varies by country)
- ✓ Software CD ROM
- ✓ Quick start guide
- ✓ USB cable



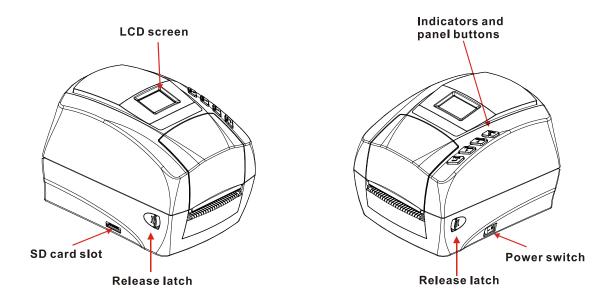
If any parts are missing, please contact the service department of your distributor.

Save the carton and all packing materials in case you need to reship back.

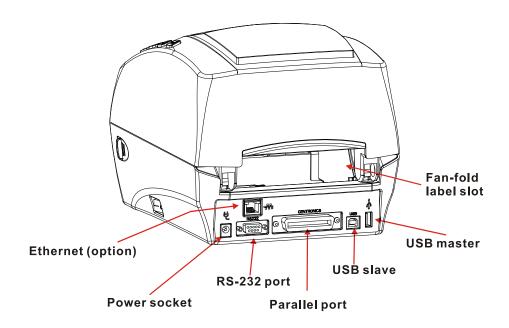


#### 1.2 T4 Printer Features

#### 1.2.1 Front view

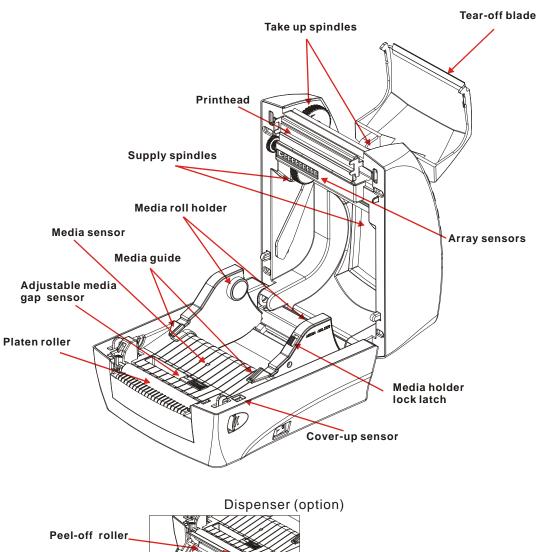


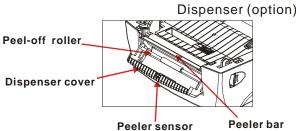
#### 1.2.2 Rear view





#### 1.2.3 Interior view

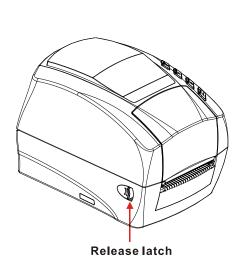


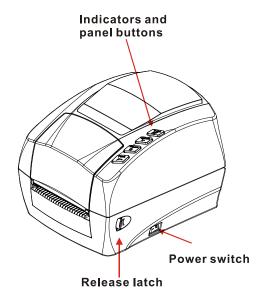




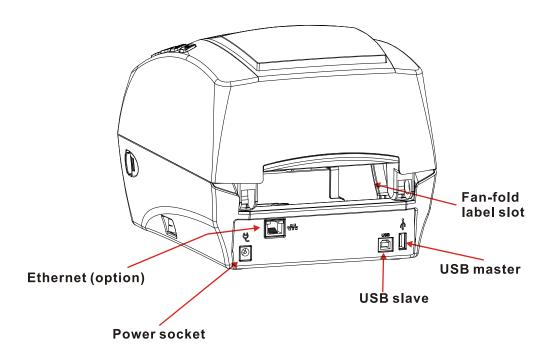
#### 1.3 T4e Printer Features

#### 1.3.1 Front view



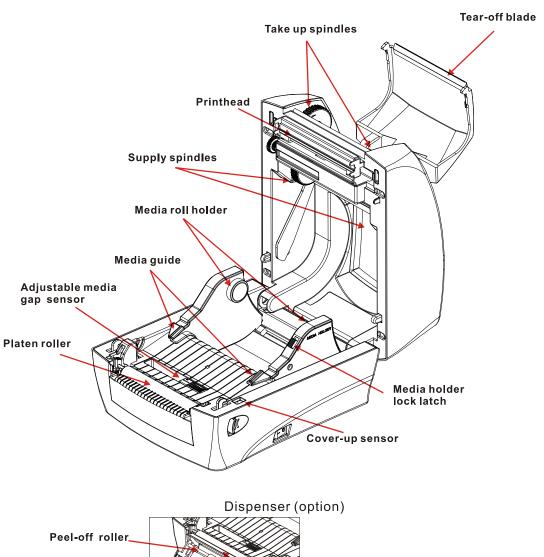


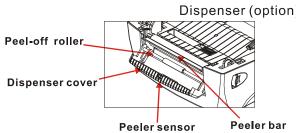
#### 1.3.2 Rear view





#### 1.3.3 Interior view



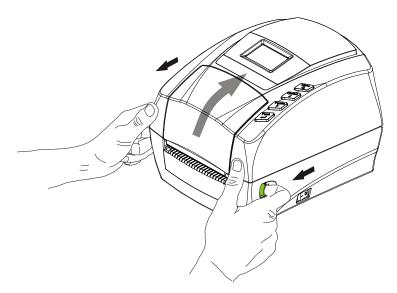




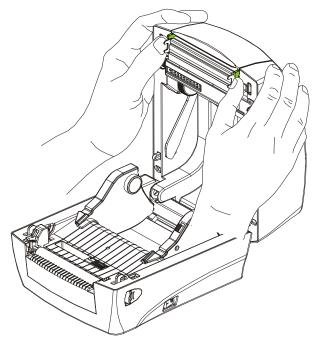
# 2. Getting start

# 2.1 Loading the ribbon

1. Pulling the release latches on two sides toward the front of printer to open the printer cover.

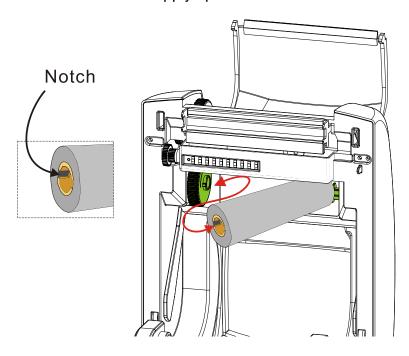


Open the ribbon cover by pushing the ribs (as shown in green) of ribbon cover. Do not open the ribbon cover by pushing the cover edge which installed the blade to tear off the label. It might hurt your hands if you push it hardly.

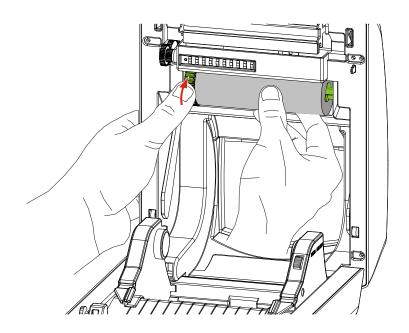




3. Insert the ribbon roll to the supply spindle.

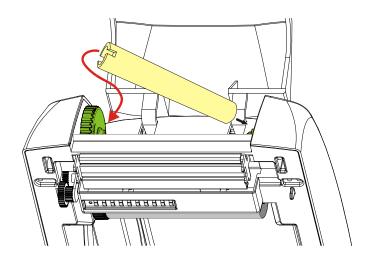


4. Rotate the supply hub until the notches align and lock in to the left side of supply hub.

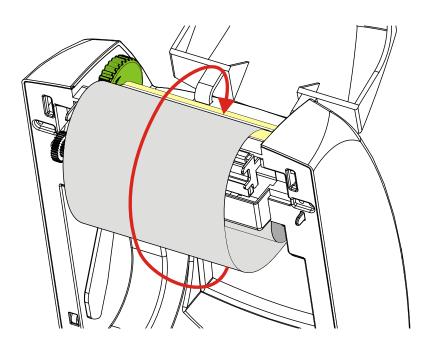




5. Insert an empty media core into the take up spindle. Rotate the take up hub until the notches align and lock on the left side of take up hub.

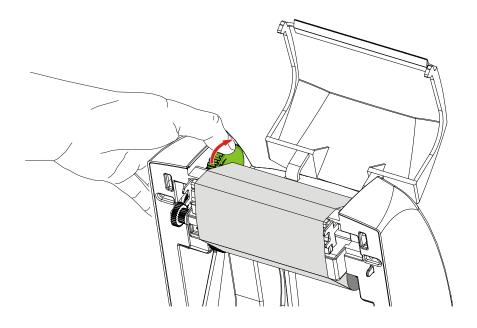


6. Pull the ribbon out from the roll and stick it with the adhesive tape on the empty ribbon take up core.

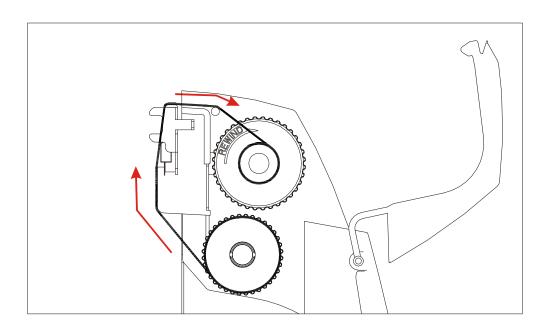




7. Rotate the take up hub on the left side of ribbon spindle till the ribbon is pulled tight.



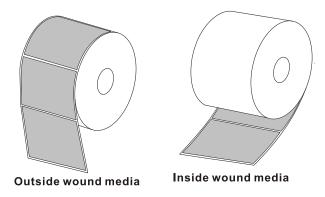
Note: The loading path of ribbon roll (outside wound)



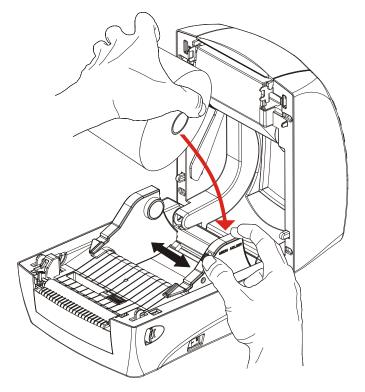


#### 2.2 Loading the media

Whether the roll media is inside or outside wound, they could be used in this printer and loaded in the same way.

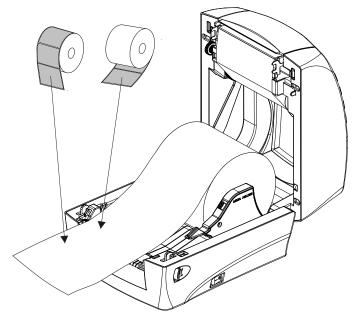


- 1. Open the printer cover by pulling the release latch toward the front of printer.
- 2. Press the holder latch and pull the media holders open. Place the media roll on the holders and push media holder toward the roll by pressing the holder latch. Release the latch when the media is on the holder firmly.

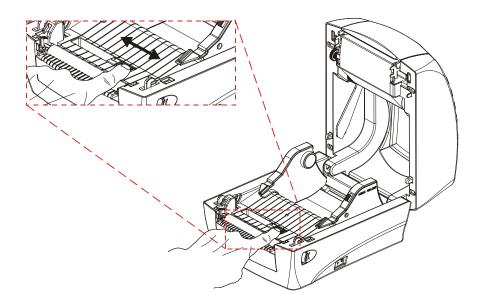




3. Pull the media so it could extend out the printer. Please make sure the printing surface is facing up.

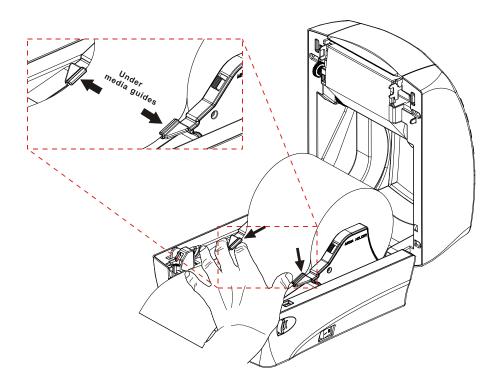


4. Before pushing the media under the guides, adjust the label senor to appropriate position to detect the labels with gap, hole or black mark.





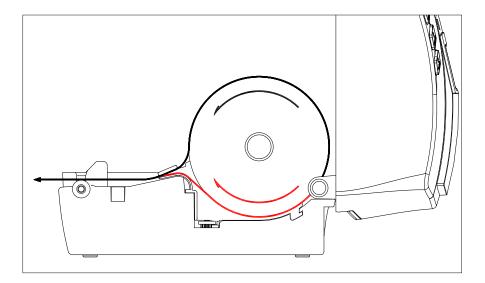
5. Push the media under the both sides of guides.







Note: The loading path of label roll (inside and outside wound)

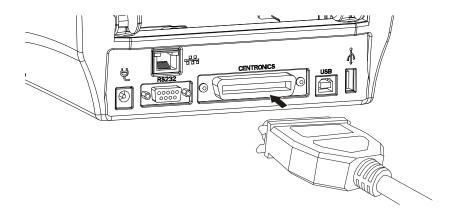




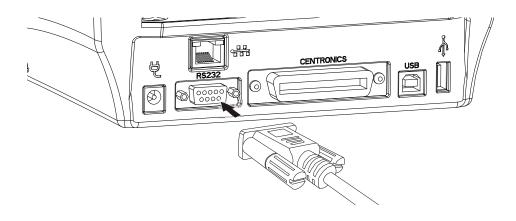
# 2.3 T4 Connecting interfaces

The following interfaces could be connected to PC to operate the printer:

# 2.3.1 Centronics port (Parallel port)

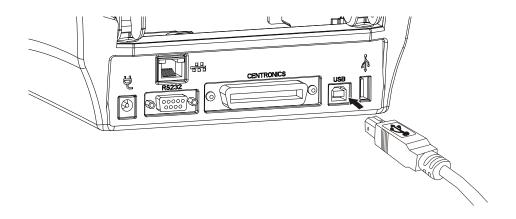


### 2.3.2 RS-232 port (Serial port)

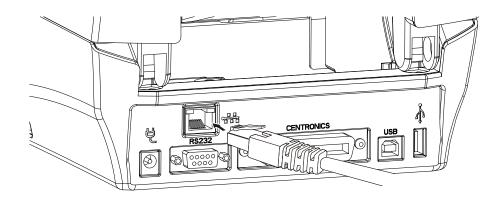




### 2.3.3 USB Slave



# 2.3.4 Ethernet (Option)

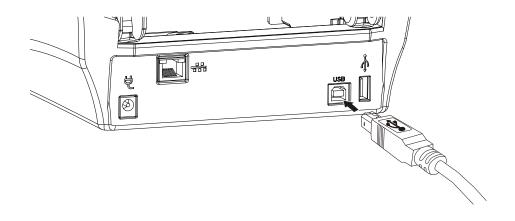




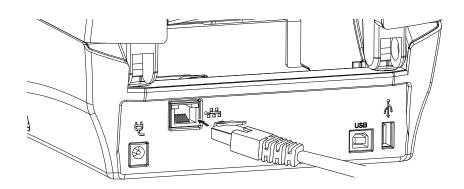
# 2.4 T4e Connecting interfaces

The following interfaces could be connected to PC to operate the printer:

#### 2.4.1 USB Slave



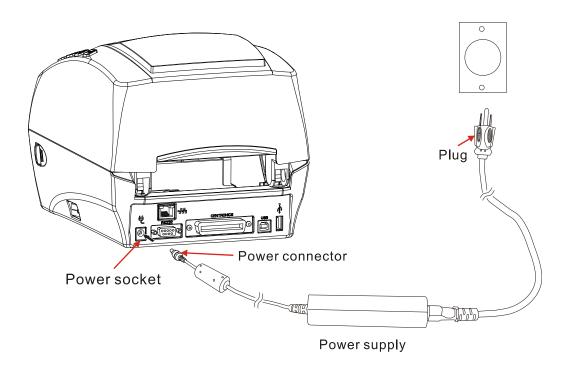
# 2.4.2 Ethernet (Option)





### 2.5 Power on the printer

- 1. Make sure the printer power switch is off
- 2. Plug the power connector into the power socket at the rear side of printer.
- 3. Plug the power cord on the power outlet.
- 4. Turn the printer power switch to on.





**Caution.** Please ensure that the printer power is off before connecting the interface cable. Connecting the interface cable while printer power is on might cause the damage on printer.



# 2.6 T4 Control panel

The key functions are available under the printer **READY** mode

Button	Appearance	Function
Menu	Menu	Enter the menu list to setup the printer configuration
Feed	Reed	Feed a blank label

The key functions are available under the printer **PRINTING** mode

Button	Appearance	Function	
Cancel	Cancel	<ul> <li>Stop and cancel the current printing job</li> <li>Removes the error status when problem is resolved.</li> </ul>	
Pause	Pause	Stop and restart the printing process	

The key functions are available in Menu System

Button	Appearance	Function	
Return	3	Return back to previous menu level	
Up		Scroll up the menu options	
		Increase the parameter values	
Down		Scroll down the menu options	
	Y	Decrease the parameter values	
Enter		Confirm the selected option	



# Buttons light



# Flash in red Bi-sound

# Error message

- Ribbon out (error)
- Label out (error)
- Top cover opened



# 2.7 T4e Control panel

The key functions are available under the printer **READY** mode

Button	Appearance	Function	
Func.	File	Enter printer function mode	
Feed	E SES	Feed a blank label	

Note: Press func. key for over 2 seconds to enter the function mode. When printer is in function mode, Func. key will keep flashing till the Func. key is pressed again to escape the function mode.

The key functions are available under the printer **PRINTING** mode

Button	Appearance	Function		
Cancel	Carcal	<ul> <li>Stop and cancel the current printing job</li> <li>Removes the error status when problem is resolved.</li> </ul>		
Pause	Paulse	Stop and restart the printing process		



# The key functions are available in Function mode:

Button	Appearance	Function	
Cancel	Calibrate the label		
Pause	Dump mode		
Feed	E e e b	Print self test page	

# **Buttons light**

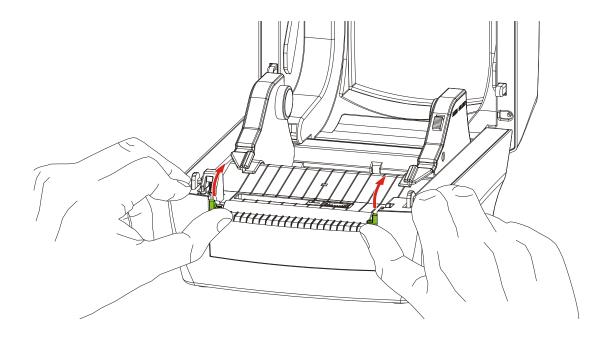
Cancel	ce	Flash in red	Error message
	Cano	light	<ul><li>Ribbon out (error)</li></ul>
			<ul> <li>Label out (error)</li> </ul>
			Top cover opened

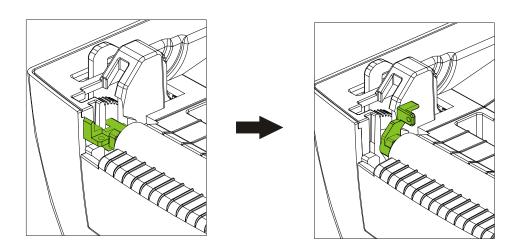


# 3. Printer options

### 3.1 Peeler installation

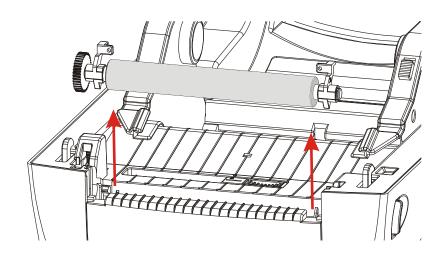
1. Push the platen bearing tabs on the right and left sides upwards and rotate them backwards to the end.



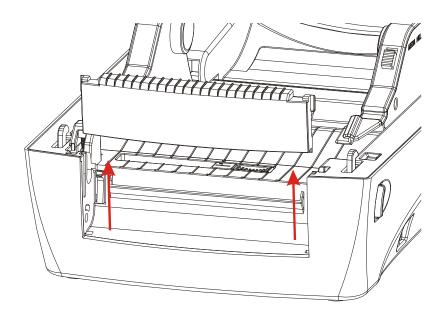




2. Lift vertically the platen from the bottom case of printer.

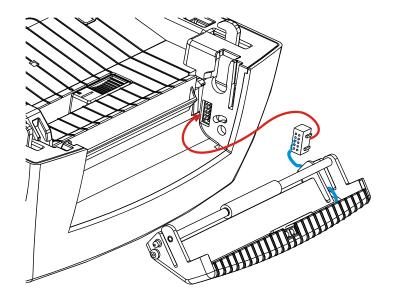


3. Lift vertically the front cover from the bottom case of printer.

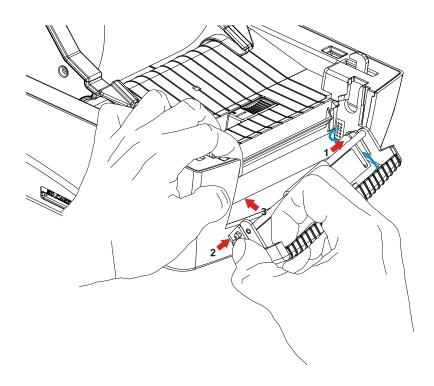




4. Insert the peeler cable to printer. (Please follow the correct connector side as figure shown to insert the cable)

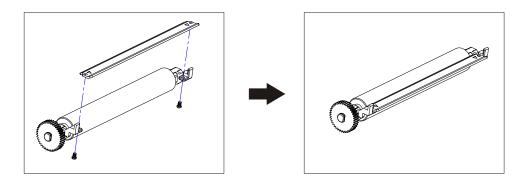


5. Insert firstly the right side of peeler module to the relative holes of printer (arrow 1), press the lower part of left side of module (arrow 2), then push the left side of module to the relative holes of printer to fix firmly the peeler module on printer (arrow 3).

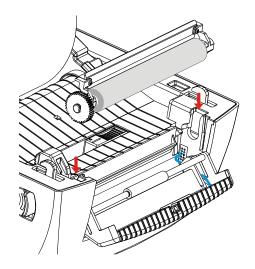




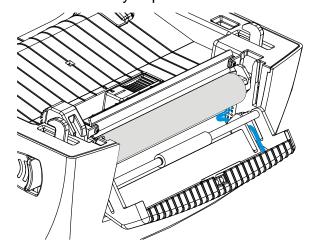
6. Screw up the metal plate on the platen. The metal plate with arrow symbol is upward side.



7. Put the platen screwed with metal plate back to printer

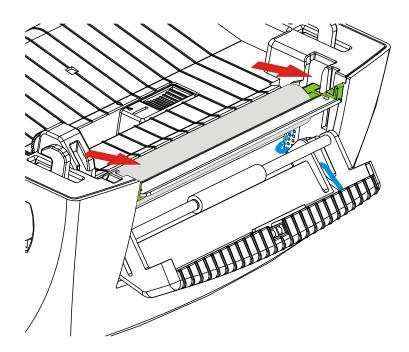


8. Assure the platen is fixed firmly in printer.

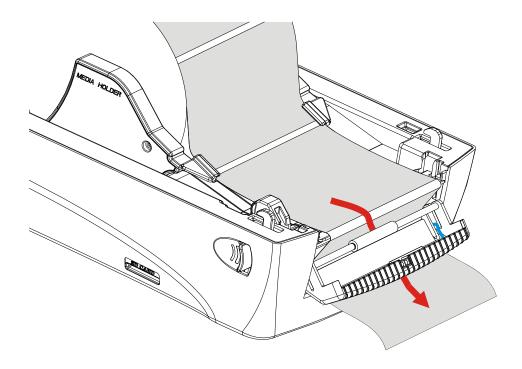




9. Push the platen bearing tab forward to lock the platen.

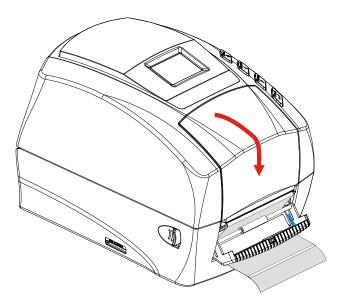


10. Lead the label through the back of peel-off bar, as figure show.

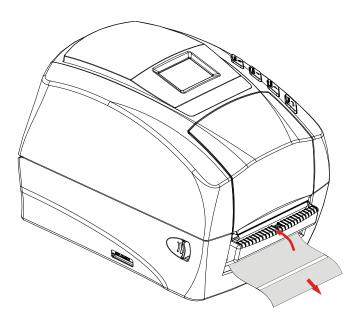




### 11. Close the top cover

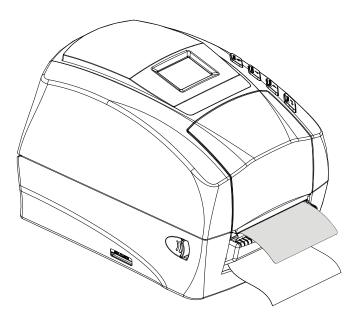


12. Pull the label to the direction as the figure show, then push the peel-off panel back to printer.





### 13. Press the Feed button to test the peeler function.

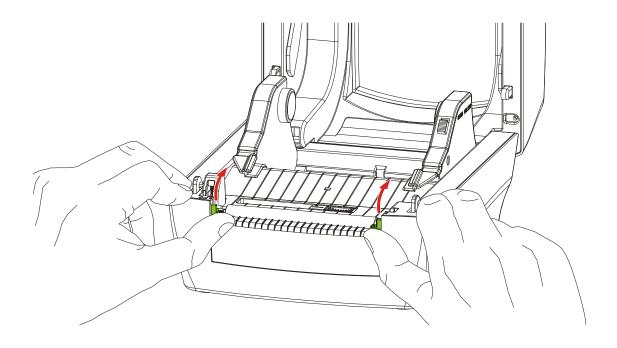


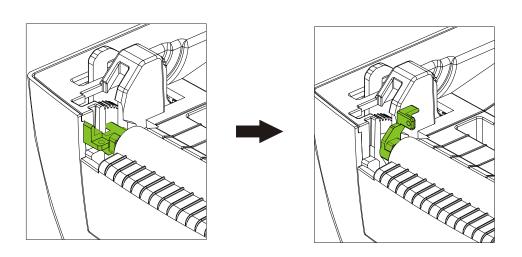
Note: The transfer board need to be installed before installing the peeler kit.



### 3.2 Cutter installation

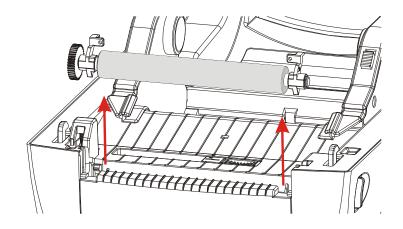
1. Push the platen bearing tabs on the right and left sides upwards and rotate them backwards to the end.



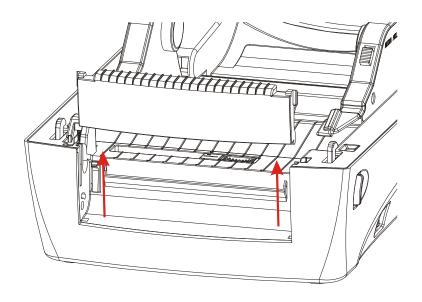




2. Lift vertically the platen from the bottom case of printer.

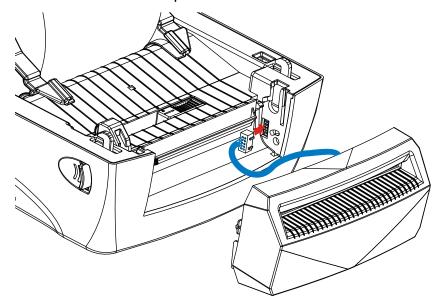


3. Lift vertically the front cover from the bottom case of printer.

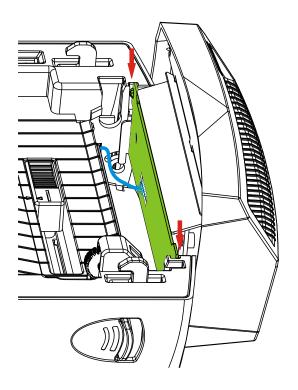




4. Connect the cutter cable to printer

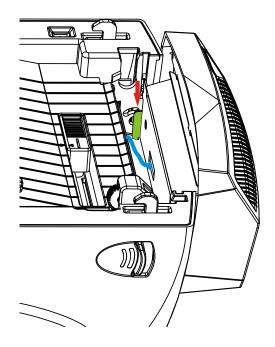


5. Slide vertically the hooks of cutter both side into the slot

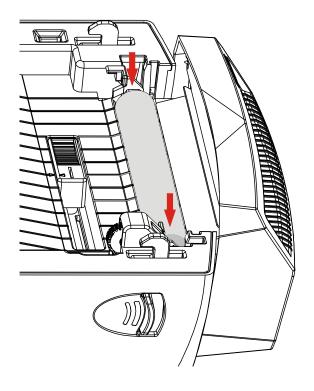




6. Push the cutter hooks to the bottom of two hooks slots, and make sure that lower hooks are fixed firmly on the hooks holes.

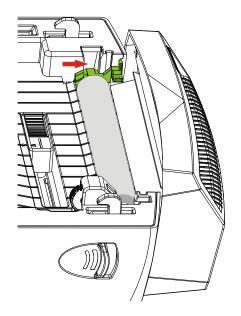


7. Put the platen back in the printer.

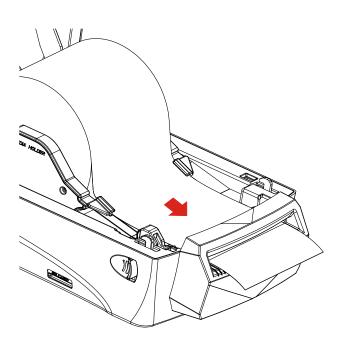




### 8. Lock the platen bearing tabs

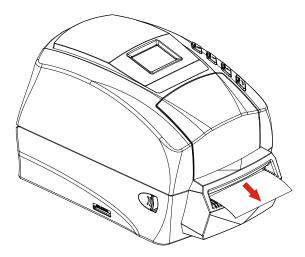


9. Thread the label through the cutter inside slot and press the label under the media guides.





### 10. Close the printer top cover



Note: The transfer board needs to be installed before installing the cutter.



Please do not touch or insert your fingers into the cutter mouth while cutter is active. It will cause extremely hurt.

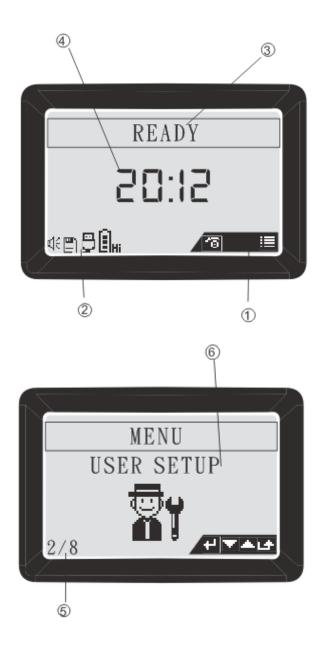


#### 4. LCD screen icons

#### 4.1 LCD screen information

LCD screen information consists 5 parts to show the printer status.

- ① Buttons status bar
- ② Device status (when printer is in Ready status)
- 3 Printer current status and setting level
- ① Time and setting icon
- ⑤ Menu pages
- 6 Printer current setting level, it shows only when printer is in menu function





## 4.2 Graphic symbol on LCD screen

Device status bar

Symbol	Description
<b>વ</b> (	Buzzer on (buzzer symbol will be shown when buzzer is set
	to on)
roor i	SD card inserted (SD card symbol will be shown when SD
<u>L-I</u>	card is inserted)
皿	USB master interface (keyboard or scanner) inserted (USB
y	master symbol will be shown when interface is inserted
Ĥ <sub>Hi</sub>	RTC battery power is full
	RTC battery power is running out

Button status bar: the symbol will be shown on the button status bar when the button function is available.

Symbol	Description
<b>*</b> 6	Feed labels.
-	Scroll down
•	Scroll up
له	Enter
L <del>S</del>	Escape
	Main menu
₪	Pause
<u> </u> 2	Cancel



# 5. Configuration

# 5.1 Menu structure

Main menu		Sub-menu	Description
<b>1</b>	nformation		Printer configuration information
<b>#</b> † U	Jser Setup	Language	Change menu language
		LCD Contrast	Contrast of LCD
		Buzzer Volume	Adjust the buzzer volume
		Date	Set the RTC Date
		Time	Set the RTC time
		O Default	Initiate to factory default
		Password	Set the password to lock the change of parameter
	Comm. Setup	RS-232	Set RS-232 parameter
		Ethernet	Ethernet status and set configuration
	Print Setup	Transfer mode	Thermal transfer or thermal direct
		発見 Print mode	Set to peeler, cutter or tear off function
		Speed	Printing speed
		Darkness	Printing heat value
		Label type	Select the label type
		Gap sensor	Select label sensor type



-		Set the print width
	Print width	
	<b>\</b> _x	Adjust the origin of printer horizontal
	──── Print X offs	coordinate
	<b>N</b>	Adjust the origin of printer vertical
	Print Y offs	coordinate
	TPH Y offs	Set the print head vertical offset
	<u>#</u>	Set the label stop position for peeler,
	Back Y offs	cutter or tear-off mode
	<b>.</b> (2)	Reprint the previous label when error
	Error reprint	occurs
	Cancel mode	Stop printing the current job
Test	Print Config.	Print the printer configuration
	Print test	Print the test pattern
	Label calibration	Calibrate the label
	Dump mode	Print the dump data
	Cutter	Test cutter function
Memory	Free size	Show the free memory size in SDRAM and SD card
	List	List the forms, images and fonts in memory device
	Delete files	Delete separately the stored forms, images and fonts in memory
	Clear memory	Delete all stored forms, images and fonts in the memory
Form	Run the form	Execute the stored form in memory
	Auto form	Execute automatically the selected form as the printer is power on





<b>⟨</b> ∑□	Update firmware directly from the SD
F/W update	card

Note: Only the T4 model which installed with the LCD screen can show the functions this in chapter.



## **5.2 Parameters setup**

### 5.2.1 User Setup

Parameter	Explanation	Default
<b>4</b>	Change menu language	English
Language	Languages: English, Traditional Chinese	
	Contrast of LCD display	Level 2
LCD Contrast	Value: from 0~5	
- <b>4</b> %	Adjust the buzzer volume	Volume 1
Buzzer volume	Value: off, 1~3	
	Set Real-Time clock date	None
Date	This parameter allows users to set the date	
	Type: Year/Month/Date	
<b>(</b>	Set Real-Time clock time	None
Time	This parameter allows users to set the time	
	Type: hour/minute/second	
	Set the parameters to factory default	None
Default	This parameter allows users to set all the parameters	
	back to factory default	
_	Set the password to protect the parameters	0000
Password	This function allows users to set the password to lock	
	the parameters change of User, Communication and	
	Print Setup to prevent the other users to change it	
	carelessly.	
	Password value range: 0000~9999	

# 5.2.2 Communication setup

Parameter	Explanation	Default
	Baud rate	9600
RS-232	Selection: 1200 ~115200	
	Parity	None
	Selections: None, Odd, Even	
	Data bits	8 bits
	Selections: 7, 8 bits	
	Stop bits	1
	Selection: 1, 2	





	Status (Ethernet)-Show only the Ethernet status	
Ethernet	Config. Method-DHCP or Static IP	
	IP address	
	Net Mask	
	Gateway	
	MAC address	
	Configure (Ethernet)-Configure the Ethernet	DHCP
	DHCP-Issuing the IP address by DHCP server	
	Static IP- Issuing the IP address by operator	



## 5.2.3 Print Setup

Parameter		Explanation	Default
<b>7</b>		Change the printing mode	By command
<u> </u>	Transfer mode	This setting could change the printing mode	
		Selection: By Command, Direct thermal, Thermal	
		Transfer	
		Select the print mode	Normal
茶厂↑	Print mode	This setting changes the label delivery mode.	
		Selection: Normal, Tear off, Peel off, cut	
*		Adjust the printing speed	3
	Speed	This setting could change the printing speed	
		Selection: 1, 2, 3, 4 dpi	
À		Adjust print darkness	8
7 <b>Y</b> T	Darkness	This setting could adjust the printing quality by the	
		printing heat	
		Selection: 0~15	
		Select the label type	Gap/Notch
Œ≟Ĕ	Label type	This setting could select the media.	
		Selection: Gap/Notch, Mark, continuous	
۵		Change the label sensor type	By command
	Label sensor	This setting could change the convenient sensor	
		type to detect the label.	
		Selection: By command, see-through, reflective	
. <del>(1</del>		Adjust the print width	832 dot
<u> </u>	Print width	This setting determines the printable area by	
		setting the printing dot.	
		Selection: 120~832 dot	
X		Adjust the horizontal origin of coordinate	00
- 10.00	Print X offs	Selection: -80~+80 dot	
Y		Adjust the vertical origin of coordinate	00
- : (0.0)	Print Y offs	Selection: -80~+80 dot	
X.Y.		Adjust the print head vertical offset	000
∠ <del>‡</del> ⊅	TPH Y offs	Selection: -120~+120 dot	
<b>1</b>		Set the label stop position	000
	Back Y offs	Selection: -080~+120 dot	





	Repeat the previous label when error occurs	Enable
Error reprint	When the error occurs and the printing stops, this	
	function will reprint the label which was	
	interrupted.	
	Selection: Enable, Disable	
<b>A</b>	Set the cancel mode	Page
Cancel mode	This function allows users to cancel printing	complete
	immediately or after completing a label	
	Selection: Page complete, immediate	



#### 5.2.4 Test

Parameter	Explanation
Print Configuration	Print all the printer configurations
Print test	Print the programmed file to verify if the printer works properly
Label calibration	Calibrate the label
Dump mode	Print the Dump mode information
Cutter	Cutter function test

### 5.2.5 Memory

Parameter	Explanation
Free size	Shows the available memory size on SD card and SDRAM
	List the stored forms, images and fonts in SD card and
List	SDRAM.
<b>₽</b>	Delete the stored forms, images and fonts in SD card and
Delete file	SDRAM.
A.	Clear all the stored forms, images and fonts in SD card and
Clear memory	SDRAM

#### 5.2.6 Form

Parameter	Explanation
Run the form	Execute the form stored in the SD card or SDRAM
Auto form	This function allows users to run automatically the selected form stored in memory when users re-power on the printer.



## 5.2.7 Warning message

Icon	Explanation
Ω	Form in SD card or SDRAM is not found.
No form found	Check if the files are exactly stored in the memory device
$\mathbf{\Phi}$	Image in SD card or SDRAM is not found.
No Image found	Check if the image is exactly stored in the memory device
$\bigcirc$	Font in SD card or SDRAM is not found.
No font found	Check if the font is exactly stored in the memory device
$\bigcirc$	Firmware files are not stored in the SD card when updating the
No F/W found	firmware.
$\bigcirc$	Battery is not installed in the printer when setting time and date
No Batt. found	Check if the battery power runs out or not installed well
$\bigcirc$	Wrong password is entered
Password error	Enter the correct password to modify the protected parameters
$\square$	Printer cannot write the data to SD card
SD lock	Unlock the SD card
$\mathbf{\Omega}$	Cutter is not installed on printer when execute the cutter test
No cutter found	
$\mathbf{\Omega}$	SD card in not installed in printer when updating the printer
W No SD found	Check if printer is well inserted in printer
$\mathbf{\Omega}$	Cutter jams when execute the cutter test
Cutter jam	Check if the labels stick in cutter
lacktriangle	Ethernet module is not installed in printer
No Ether found	Check if the Ethernet module is installed or well installed
lacktriangle	Internal flash ROM is full
Flash ROM Full	Delete un-necessary files to store the current files



5	2	R	Pı	in	t⊵r	sta	tus

Icon	Status description
Feed	Feeding the label
Cancel	Cancel the current printing job.
Pause	Pause the current printing job.
Wait peel	Wait to peel the printed label to print the next label
Wait on demand	Wait to press the feed button to print next label.  (*This function is available only on sending the command)
Value saved	Save the change of parameters to printer
Dumpping data	Catch the data from communication port and send to printer to print out.
Feed Push to cal	Press the "Feed" button to calibrate the label.  (*This function is available on "Label Cal")

Note: Only the T4 model which installed with the LCD screen can show the functions this in chapter.



# 6. Troubleshooting

## 6.1 LCD error message

LCD Displayed		Possible problem	Resolution		
$\odot$		Improper sensor type	Ensure the sensor type, reflective or		
Label gap out			see-through, is selected correctly		
		Label senor cable is	Reconnect or tighten up the sensor		
		disconnected or loose	cable		
		Sensor windows are dirty	Clean the receiver sensors and		
			emitter sensor		
		Improper media sensor	Adjust the media sensor to correct		
		position	position		
		Load the continuous label,	Load the correct media or set the		
		but the label type is set to	label type to current using media		
		Gap/notch or Mark type	type		
<b>(2)</b>		Label runs out	Reload new media roll		
V	Label out				
<u></u> Ω		Ribbon runs out	Reload new ribbon roll		
V	Ribbon out	Ribbon roll is not loaded	Ensure the ribbon supply and take		
		correctly	up core are fixed correctly		
<b>(2)</b>		Printer cover is open	Close the printer cover		
V	Cover open				
<b>(2)</b>		Firmware update fails	Re-update the firmware		
V	Update fail				
<b>(2)</b>		TPH cable is disconnected	Connect the TPH cable		
V	TPH fail	TPH is faulty damaged	Replace a new TPH		
<b>(2)</b>		Firmware update fails.	Re-update the firmware		
V	Check sum error				
Ø		Cutter is not installed when	Check if cutter is installed in printing		
V	No cutter found	printing			
Ø		Cutter jams when printing	Check if labels stick in cutter		
V	Cutter jam				

Note: Only the T4 model which installed with the LCD screen can show the functions this in chapter. All the problems occur will be shown on Flashing the Cancel button in red.



# 7. Specifications

# 7.1 T4 series general specifications

Model	T4 T4e			
Resolution	203/300 dpi 203 dpi			
Print mode	Direct Thermal/	Thermal Transfer		
CPU	32-bi	t CPU		
Memory	RAM: 8MB SDRAM	RAM: 8MB SDRAM		
	ROM: 4MB Flash ROM	ROM: 4MB Flash ROM		
	Expendable slot for SD card (up			
	to 4GB)			
Print speed	1" to	4" ips		
Max. print length	150" (3	810mm)		
Print width	4.1" (1	04mm)		
Sensor type	Moveable see-through and	Moveable reflective sensor		
	reflective sensor	Ribbon sensor		
	Label sensor	Cover open sensor		
	Ribbon sensor			
	Cover open sensor			
Display	Backlight LCD display 128x64	N/A		
	dots			
Control panel	4 multi-functional keys	4 functional keys		
	4 status LED light	4 status LED light		
	1 error LED light	1 error LED light		
Media	Maximum label width: 4.33" (110	mm)		
	Minimum label width: 0.59" (15mi	m)		
	Maximum roll diameter: 5" (127m	m)		
	Core diameter: 1.0" (25.4mm)			
	Media thickness: 0.002" (0.06mm	n) to 0.0075" (0.2mm)		
	Media type: Continuous, die-cut,	tag, fan-fold, black mark		
Ribbon	OD: 1.535" (39mm)			
	Max length: 100m			
	Width: 1.0" (25.4mm) to 4.3" (110mm)			
	ID: 0.5" (12.7mm)			
	Ribbon type: Wax, wax/resin, res	in		



Interfaces	Serial port-RS-232	USB master port	
menacec	Parallel port	USB slave port	
	USB master port		
	·	· ·	
	USB slave port	(option)	
	Ethernet port 10/100Mbps		
	(option)		
1D barcodes		Code39 with check digit, Code93,	
	Code128 UCC, Code128 auto A,B,	C modes, Codabar, EAN8, EAN8/13	
	2&5 digit add-on, EAN13, Interleaved	d 2 of 5, Interleaved 2 of 5 with check	
	digit, Interleaved 2 of 5 with human	readable check digit, UCC/EAN 128,	
	UPC A, UPC A 2&5 digit add-on, UF	PC E, UPC E 2&5 digit add-on, UPC	
	Interleaved 2 of 5		
2D barcodes	Data Matrix, MaxiCode, PDF417		
Fonts	5 internal expandable bitmap for	ts (alpha-numeric)	
	2 internal expandable bitmap fon	ts (numeric only)	
	Downloadable soft font		
	4 directions: 0, 90, 180, 270 degr	ees	
Image	PCX, Direct binary graphic		
Options	T4 Peeler kit	T4e Peeler kit	
	T4 Cutter	T4e Cutter	
	Ethernet module	Ethernet module	
	Expansion memory card	Expand card with battery	
Power	Switching power adapter		
	Input: 100 to 240V, 1.8A, 50~60H	łz	
	Output: 24V, 2.5A		
Audio	Beep sound when error occurs	N/A	
Real Time Clock	Factory default	Battery board card	
Environment	Operation: 5°C to 45°C (40°F to 11	12.9°F)	
	Storage: -20°C to 50°C (-4°F to 12	21.9°F)	
Humidity	Operation: 10% to 90% non condensing		
	Storage: 5% to 95% non condensing		
Printer dimension	Width: 200.00mm (7.83")		
	Length: 263.19mm (10.36")		
	Height: 188.29mm (7.41")		
	Weight: 2KG		
Certification	CE, FCC class B, CB, CCC		
	I .		

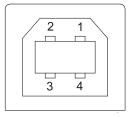


## 7.2 Universal Serial Bus (USB) port pin assignment

Connector type: Type A and B



USB A (Master)



USB B (Slave)

Pin	Function	
1	VBUS	
2	D-	
3	D+	
4	GND	

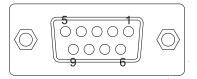
Note: Master VBUS provides +5V max current 500mA. Slave VBUS is N/C.

For more information about USB, please visit the website:

www.usb.org.



## 7.3 Serial port pin assignment

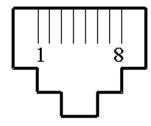


Pin	Printer side	
1	N/C	
2	TXD	
3	RXD	
4	DSR	
5	GND	
6	DTR	
7	CTS	
8	RTS	
9	+5V	
	•	

Note: Serial port provides +5V max current 500mAh

Note: Serial port is available on T4 model

## 7.4 Ethernet module port pin assignment



Pin	Signal
1	Tx+
2	Tx-
3	Rx+
6	Rx-



## **Appendix A**

### Standalone operation on T4 and T4e

SBARCO provides users to operate the T4 series printer alone without connecting PC to print labels by using normal USB interface keyboard or scanner. Especially, users can select whenever any form stored in printer's memory or SD card to print through the LCD monitor on T4

This section shows the way how to operate the standalone operation on T4 and T4e.



### Description of keyboard

With normal keyboard, T4 could be executed standalone operation without connecting PC. The description of keyboard function is as below:



<b>Printer Status</b>	Main Menu	Sub Men u	Key functoin	Description
Ready			F1	Enter / Exit LCD Menu
			F4	Feed
Printing			F2	Cancel printing job.
			F3	Pause printing job.

Printer Status	Main Menu	Sub Menu	Key functoin	Description
Form Operation FORM	RUN THE FORM AUTO FORM	~!@#\$%^&*()-+`0~9 = {}!:"<>?[]\;,./ A~Z a~z 0~9 Space	Data	
		ESC Caps Lock Left Shift Right Shift		
			Control Key	
			Delete	
		End		
			← →	
		Num Lœk		

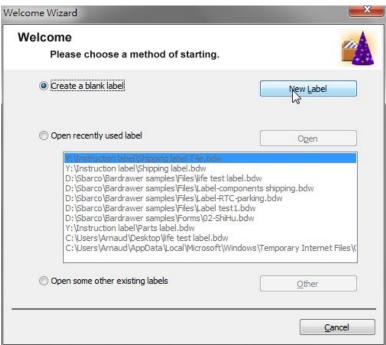


Printer Status	Main Menu	Sub Menu	Key functoin	Description
LCD Menu	MENU ITEM		<b>↑</b>	Scroll up.
			↓	Scroll down.
			ESC	Return to last menu level.
			Enter	Etner menu item.
	SETTING		<u> </u>	Scroll up.
			↓	Scroll down.
			ESC	Return.
			Enter	Save
	USER SETUP	DATE	<b>↑</b>	Scroll up.
		TIME	↓	Scroll down.
		PASSWORD	ESC	Return.
			Enter	Save / Next setting item.
	PRINT SETUP	DAR KNESS	<b>↑</b>	Add Value
		PRINT WIDTH		
		PRINT X OFFS	<b>↓</b>	Reduce Value
		PRINT YOFFS		
		TPH Y OFFS	ESC	Reutm
		BACK Y OFFS		
			Enter	Save
	TEST	PRINT CONFIG	<b>↑</b>	Add item
		PRINT TEST		
		LABEL CAL.		
		DUMP MODE	<b>↓</b>	Next item
		CUTTER		
	MEMORY	FREE SIZE		
		LIST	ESC	Return
		DELETE FILES		
		CLEAR MEMORY		
	FORM	RUN THE FORM	Enter	Select/Run funtcion.
		AUTO FORM		
	F/W UPDATE			

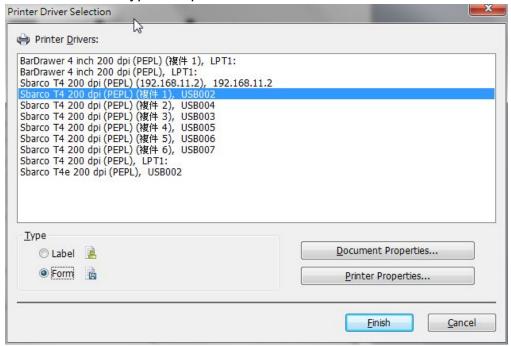


#### Form making in T4

#### 1. Create a new blank label

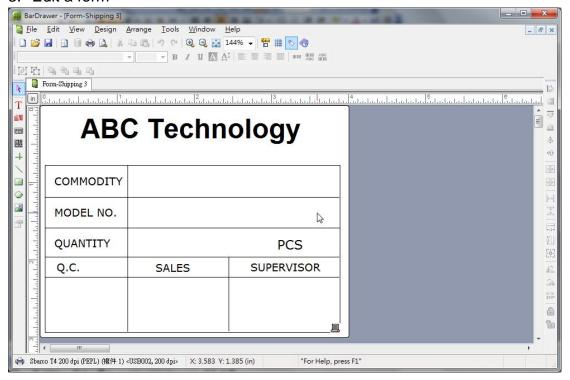


2. Select "form" type and press Finish button

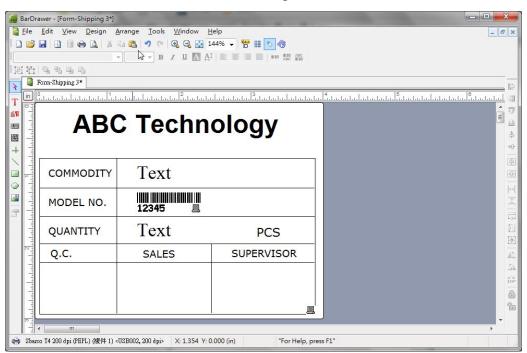




#### 3. Edit a form

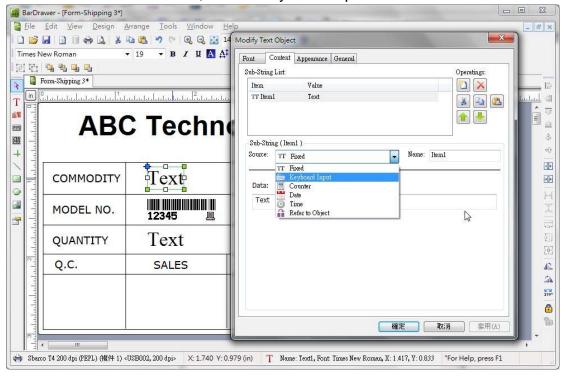


4. Enter the "Text" or Barcode in editing field

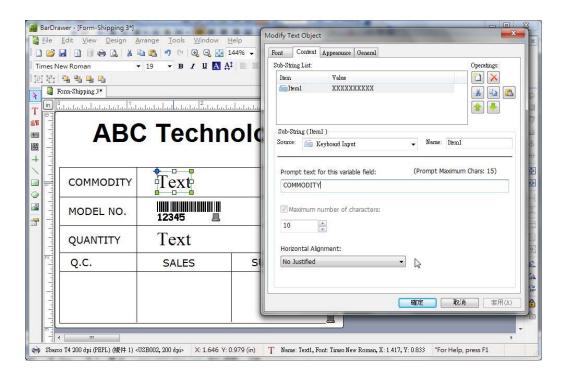




5. Click twice on the "Text", select "Keyboard input" in Source field.

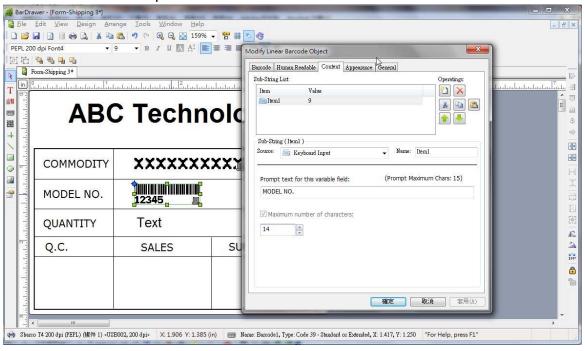


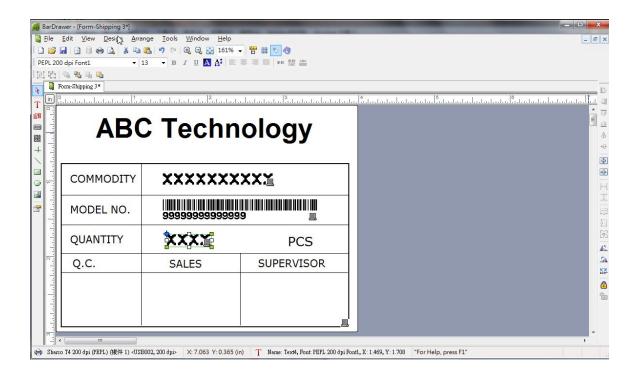
6. Enter the prompt text would like to be shown on LCD monitor. Enter also the max. characters.





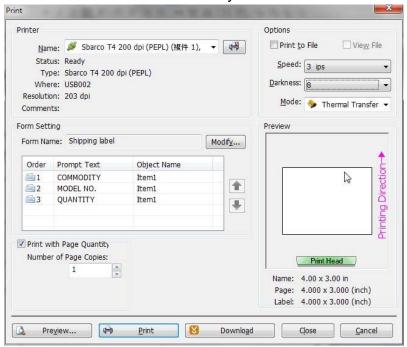
7. Follow the last step for the other variable text.







### 8. Press "Print" button to modify the form name

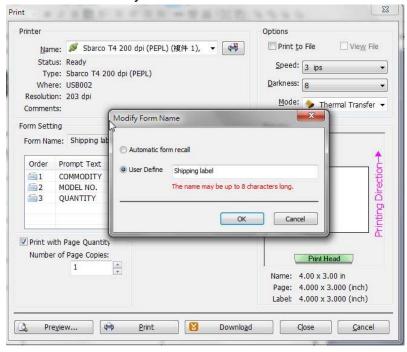


#### 9. Modify the form name

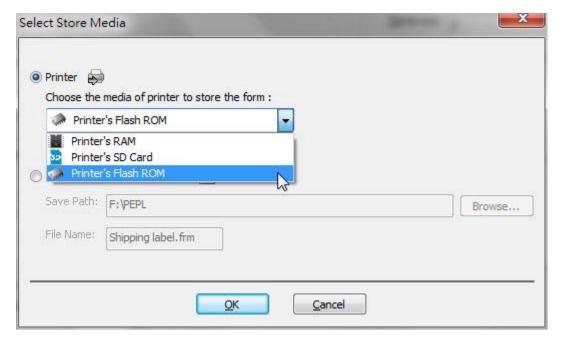




10. After modifying the form name, press "Download" and "Save" to load the form to memory device.

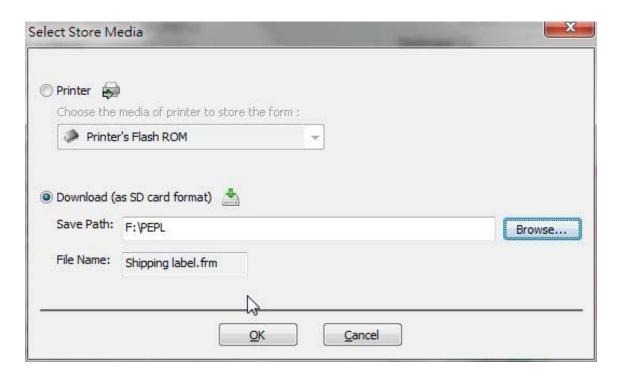


11. There 3 ways you could store the form into Printer's: RMA, Flash ROM or SD card.





12. The form could be also stored in PC or SD card inserted in PC



13. After downloading the form into the printer's flash ROM, check the FORM LIST in memory of printer menu. The form name "Shipping label" will be shown in FORM list.





- √ This feature is available only on T4
- ✓ R: Form is stored in printer's SDRMA. The Form will disappear when printer's power is off
- ✓ F: Form is stored in printer's Flash ROM. The Form is saved in memory even power off the printer
- ✓ D: Form is stored in SD card.

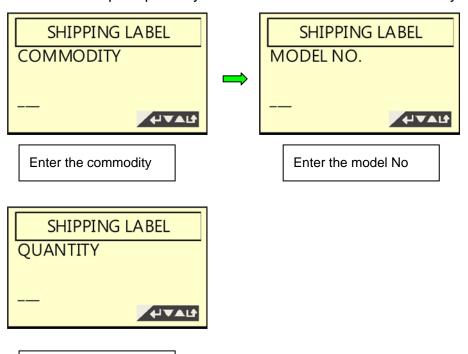


14. Select the form Shipping label in the menu of "RUN THE FORM"



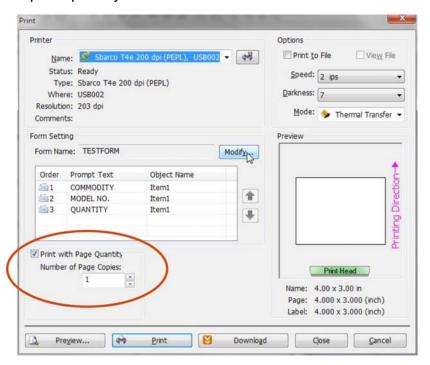
Enter the quantity

15. Follow the prompt text you set to enter the data from the keyboard:





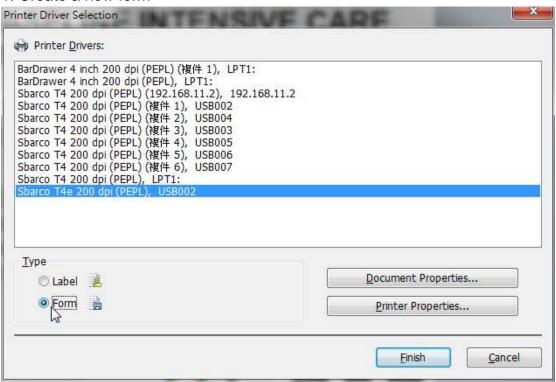
16. Then, the printer will print the label quantity you set, if you set already the print quantity.



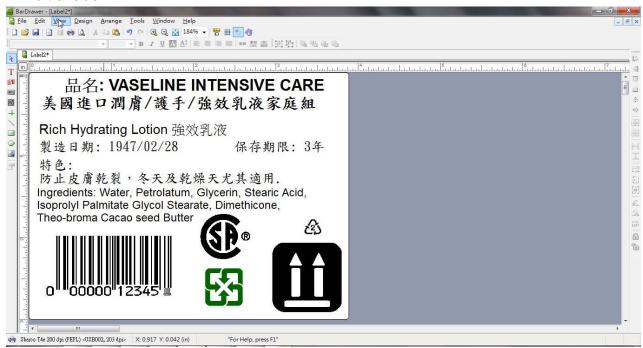


#### Form making in T4e (Scan to print)

#### 1. Create a new form

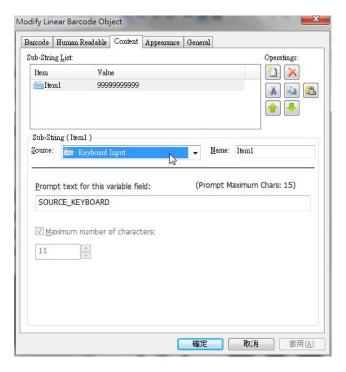


#### 2. Edit a label

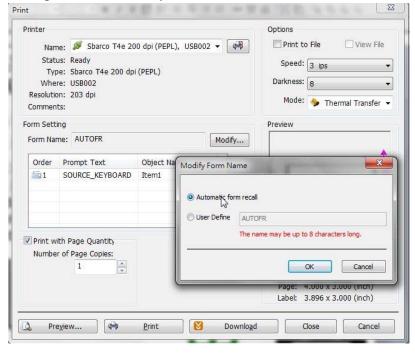




3. Click twice on barcode to set the Source "Keyboard Input"

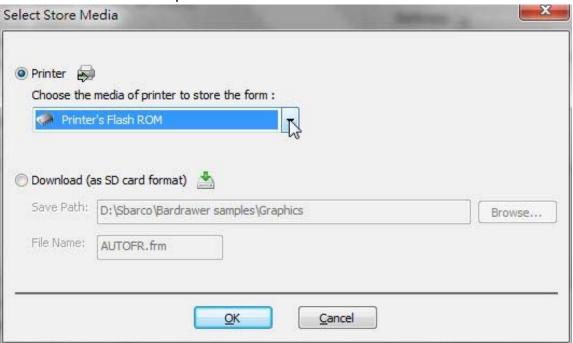


4. In print, set the form as "Automatic form recall". The form name will be changed automatically to "AUTOFR"





5. Save the Auto form in printer



- 6. When the Auto form is sent and saved in T4e printer, the light of FUNC key on panel will extinguishes. It means it is Auto Form mode. The Scanner with USB interface could be plugged into the printer for "Scan to Print' function.
- 7. Pressing "FUNC" key could quit the AUTO FORM mode, and light of FUNC key will be on. When repower the printer, it will enter automatically the AUOTO FORM mode.

