# **INSTALLATION MANUAL**

BarDrawer and Printer Driver

This manual guides user to install Sbarco printer software and driver in Microsoft windows.

Features:

- BarDrawer 1.6.0
- Sbarco T4 Printer Driver 1.3.0

Sbarco Co. Ltd. Version 1.1 2011/11/10

### Content

BarDr	rawer Applications	2
How	v to install BarDrawer Application	4
How	v to Uninstall BarDrawer Application	9
Printe	er Driver 1	.1
Inst	all by DriverSetup 1	2
Inst	all through Wizard of Add Printer 1	7
1.	For Window XP 1	7
2.	For Window 7 2	22
Inst	all through plug and play (available on USB)	26
1	For Window XP2	26
2	For Window 7 3	81
Inst	all TCP/IP port (available on Ethernet)	8
1	Through DriverSetup to install	8
2	Through Add a printer to install 4	0
Printe	er Driver Settings 4	4
1.	Introduction Page Setup page 4	4
2.	Introduction Options page 4	5
3.	Introduction User Commands page 4	8
4.	Introduction Tools page 4	9
5.	Introduction About page5	60



## BARDRAWER APPLICATIONS

The BarDrawer application package is a set of SBARCO software. The package includes BarDrawer, PrinterTool, DriverSetup and FWTool.

Those applications support the following operation systems:

Operation Environment	Architecture
Windows XP	i386
Windows Server 2003	i386/ amd64
Windows Vista / Windows Server 2008	i386/ amd64
Windows 7 / Windows Server 2008R2	i386/ amd64

#### BarDrawer Outlook





### • PrinterTool Outlook

PrinterTool 1.0	Configurati	on		SBARC
Configuration	Printing Option -		(C) Madia	
Command	Speed:	4 ips	Media	By Command 🔹
File Manager	☑ Darkness:	8	Media Type:	Label with Gaps 🔹
RTC Setup	Print Method:	Direct Thermal	Label Width (W):	4.000 inch
18	@Print Mode		Label Length (P1):	3.000 inch
Ethernet Setup	After Printing:	Tear (Back Feed)	Gap Length (P2):	0.120 inch
rinter	Cut Piece:	1 Label(s)	Gap Offset (P3):	0.000 inch
rinter Serial Number:	Cut Position:	0.500 inch	Standard Label	Butterfly Label
011006000012 rrinter Resolution: 200 dpi 🔹	Error Access	INDIA	Pattern Access     Reference Point     Vertical: 0.000     Printing Direction	Horizontal: 0.000
ommunication ort Type: JSB ort List: JSB002 [SBARCO T: Set Port	Miscellaneous Printer Font Ch 8-Bit [DOS 433 Buzzer Volume:	7] English - US		able P1
About	Image: Measurement:	Default	Setting	tting Send Setting

# • FWTool Outlook

ommunicati	ion		Printer Property	
Port:	🖲 USB 🔘 RS-232 🔘 LP	T 🔘 Ethernet	Connecting:	Connected
			Serial Number:	011006000012
Connect	t using:		FW Version:	0.0.93
USB002	2 [SBARCO T42 SN:01100600	0012] 🔻	HW Version:	1.0.00
			Emulation Type:	PEPL
	C:\Sbarco\FW 0.0.99 1008	303.fwt [T4 - 0.0.99]	Emulation Type:	Connect
Source:	C:\Sbarco\FW 0.0.99 1008			sh <u>C</u> onnect
Source:	C	303.fwt [T4 - 0.0.99] Outward:		Connect
e Property Source: Model: Mode:	C:\Sbarco\FW 0.0.99 1008			sh <u>C</u> onnect

# SBGRCO

#### How to install BarDrawer Application

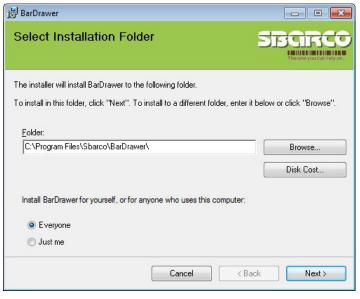
1. Execute the "BarDrawer1.0.0.msi" installation file. You can find it in the "CD-ROM root". You have to uninstall the previous version before installation.



2. After clicking the icon, it will show below screen. Then click "Next>".



3. Select installation folder. Then click "Next>"





4. Cross check box to install the printer driver. Then click "Next>".

闄 BarDrawer	
Install Printer Driver	SBGRCO
Would you like to install printer driver after installing BarDrawer?	
☑ Launch DriverSetup	
Cancel	< Back Next >

5. Click "Next" to confirmation the installation.

😸 BarDrawer	
Confirm Installation	SBGRCO The one you can rety on
The installer is ready to install BarDrawer on your computer.	
Click "Next" to start the installation.	
Cancel	< Back Next >



6. Wait for installing.

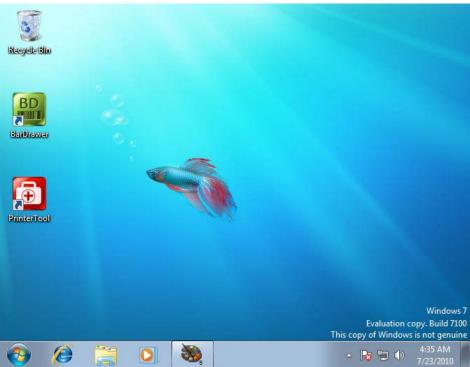
BarDrawer			- 0 💌
Installing BarDrawer		SB	
BarDrawer is being installed.			
Please wait			
	Cancel	< Back	Next >

 Installation complete. Then click "Close". If you have selected the "launch DriverSetup", the printer driver installation will be started after bardrawer is installed. You can refer the procedure of <u>printer driver installion</u>.

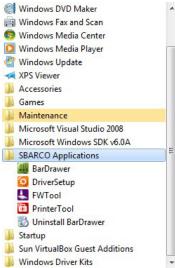
🔡 BarDrawer			
Installation Complete		5	BGIRGO The one you can rely on
BarDrawer has been successfully insta Click "Close" to exit.	lled.		
	Cancel	< Back	Close



8. After installation, you can see the application icons on the desktop and program folder list.



9. Press the start button to see the program list.



5	Welcome Wizard New Label Select which label you want to design or print.	
	Create a new label	Create
	Open recently used label	Open
	Open some other existing labels	Other
		Cancel

10. Click the bardrawer icon to start the application.

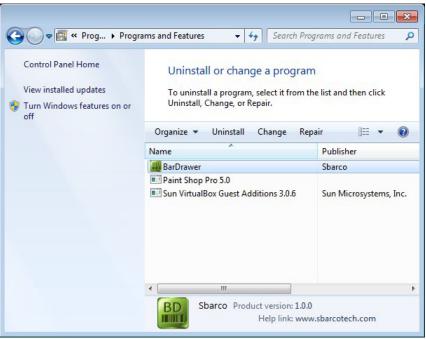


#### How to Uninstall BarDrawer Application

- 1 Use "Start\All Program\SBARCO Application\Uninstall BarDrawer" to uninstall.
  - 1.1 Click the icon of "Uninstall BarDrawer" at program folder list to execute the uninstalling program.
    - lindows DVD Maker 🖶 Windows Fax and Scan Windows Media Center 🚺 Windows Media Player Windows Update A XPS Viewer Accessories 💧 Games Maintenance Microsoft Visual Studio 2008 Microsoft Windows SDK v6.0A BARCO Applications BarDrawer O DriverSetup FWTool PrinterTool 🔂 Uninstall BarDrawer 📗 Startup In Sun VirtualBox Guest Additions Windows Driver Kits
    - 1.2 Appears a screen to ask you whether you do uninstall this product. Click "Yes".



- 2 Use "Start\Control Panel\Uninstall a Program" to uninstall.
  - 2.1 Choose the icon of "BarDrawer" to execute the uninstall procedure. Click "Uninstall" Button.





2.2 Click "Yes" to confirm the un-installation.



2.3 Progress running.





### PRINTER DRIVER

Now we only provide Microsoft windows driver. This driver supports the following operation systems with different processor architecture.

The interface supports for Serial, Parallel, USB and TCP/IP.

Path	Directory	Architecture	<b>Operation Environment</b>
PrnDrv∖	WinXP\	i386	Windows XP
	Server2003	i386/ amd64/ ia64	Windows Server 2003
	Vista-Server2008\	i386/ amd64/ ia64	Windows Vista Windows Server 2008
	Win7-Server2008R2	i386/ amd64/ ia64	Windows 7 Windows Server 2008R2

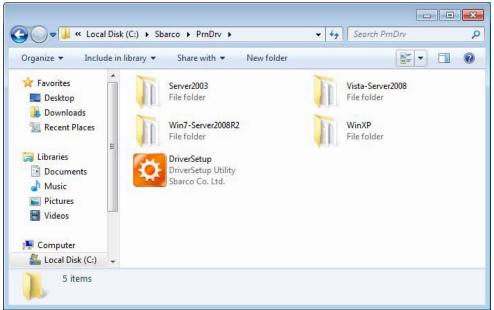
You can find the folder of PrnDrv at "CD-ROM root" or "C:\Sbarco". If you install the BarDrawer application, the printer driver material will copy to "C:\Sbarco" after installing.

The every property page of the printer driver can refer <u>Printer Driver Settings</u>.



#### Install by DriverSetup

1. Press the icon of "DriverSetup" to start the installation.



2. Click "Next" to start the installation.

Sbarco Printer Driver Setup Wiz	ard	X
	Sbarco Printer Driver Setup Wizard 1.0.5.0	
17	This wizard helps you install printers and make printer connections. Meanwhile, it can update installed printers.	
	To continue, dick Next.	
	This driver support your platform of "Microsoft Windows 7 , 32-bit"	
	< Back Next > Cancel Hel	p



3. Select the manufacture and printer. Click "Next>".

arco Printer Driver Setup Wizard Printer Select		
Select the manufacturer and mod		
Manufacturer:	Printers:	
SBARCO PEPL	Sbarco T4 200 dpi (PEPL)	
<	Back Next > Cancel	Help

4. Set printer name, connection port and default printer. The list below will show all the Sbarcode printer drivers you have installed. Printer name is unique and cannot be repeated.

Iled Printer List:     Select a printer to update or add n       n.     Printer Name       an existing port:     LPT1: (Local Port)   Add TCP/IP Port. er name:  Sbarco T4 200 dpi (PEPL)  Set as the default printer	iype	a printer n	ame and port.	
an existing port: LPT1: (Local Port) Add TCP/IP Port. er name: Sbarco T4 200 dpi (PEPL)	stalled F	Printer List:		Select a printer to update or add r
Add TCP/IP Port. Add TCP/IP Port. Sbarco T4 200 dpi (PEPL)	lum.	Printer N	ame	Port Name
er name: Sbarco T4 200 dpi (PEPL)	: an ex	isting port:	[LPT1: (Local Port)	Add TCP/IP Port
Set as the default printer	nter na	me:	Sbarco T4 200 dpi (PE	PL)
			Set as the default pr	rinter
printer will be installed with the "Sbarco T4 200 dpi (PEPL)".	is printe	er will be in:	stalled with the "Sbarco T	4 200 dpi (PEPL)".



5. Confirm to install. Click "Next>".

Sbarco Printer D	river Setup Wizard	X
Confirm to i Prepare s	nstall tuff of driver files to install	
	This wizard had helped you set installation and prepared all stuff of installation. You can install and update printer now. To continue, click Next.	
	< Back Next > Cancel	Help

6. The OS will show a warning dialogue to ask you if the installation is confirmed to proceed.

9	Win	dows can't verify the publisher of this driver software
	•	Don't install this driver software
		You should check your manufacturer's website for updated driver software for your device.
	+	Install this driver software anyway
		Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.

7. Installation is proceeding.

Sbarco Printer Dr	iver Setup Wizard
Printer Insta Installing t	Iling he printer driver which you choose.
<b>I</b>	Please wait a minute, Setup Wizard is installing Printer Driver. This need several minutes time.
Update driv C:\Window	ver files s\system32\spool\DRIVERS\W32X86\3\SBACUI.DLL
	< Back Next > Cancel Help



8. Installation is complete. Click "Printer Test Page" to make printer print a test page. Click "Finish".

Sbarco Printer Driver Setup Wi	zard	X
	Completing the Printer Setup Wizard	I
	You have succesfully completed the Printer Setup Wizard.	
	Click Finish to complete setup Printer Test Page	
	< Back Finish Cancel Help	>

9. You can check "Start\Devices and Printers" to confirm if Sbarco printer driver is installed or not.

Add a device	Add a printer		•	•
	9			
	1			
Generic Non-PnP	WIN7TEST-PC			
Monitor Printers and Fa	) Voc (2)			
Filliters and Fa	xes (3)			
Fax	Microsoft XPS Document Writer	Sbarco T4 200 dpi (PEPL)		

10. If error occurs during the installation, the screen will show the error message.

Sbarco Printer Driver Setup W	izard	X
	Failed Printer Setup Wizard	
	The installation is fail. Error: Add system files failed.	
	Click finish to leave setup.	
	< Back Finish Cancel H	lelp

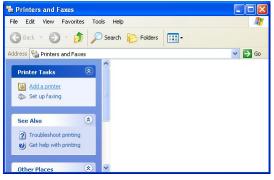
11. The DriverSetup provides a way to update all the Sbarco printer drivers.

Sbarco Printer Driver Setup Wit	zard	×
	Sbarco Printer Driver Setup Wizard 1.0.5.0	
1 2	This wizard helps you install printers and make printer connections. Meanwhile, it can update installed printers.	
	To continue, dick Next.	
	<ul> <li>Only update installed printer</li> <li>Add new printer and update printers</li> </ul>	
Ĵ	This driver support your platform of "Microsoft Windows 7 , 32-bit"	
	< Back Next > Cancel He	lp



### Install through Wizard of Add Printer

- 1. For Window XP
  - 1.1 Run "Add a printer" wizard though the "Printers and Faxes" folder.



1.2 Click "Next>".



1.3 Select "Local printer attached to this computer". Click "Next>".

Add Printer Wizard	
Local or Network Printer The wizard needs to know which type of printer to set up.	ð
Select the option that describes the printer you want to use:	
<ul> <li>Local printer attached to this computer</li> </ul>	
Automatically detect and install my Plug and Play printer	
O A network printer, or a printer attached to another computer	
To set up a network printer that is not attached to a print server, use the "Local printer" option.	
< Back Next > Cancel	



1.4 Select a printer port. Click "Next>".

Add Printer Wizard
Select a Printer Port Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
⊙ Use the following port: LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port: Type of port:
< Back Next > Cancel

1.5 Click "Have Disk...".

Add Printer Wizard	
Install Printer Softwa The manufacturer ar	e d model determine which printer software to use.
disk, click Have E compatible printer	
Manufacturer Agfa Alps Apollo Apple APS-PS	Printers     AGFA-AccuSet v52.3     AGFA-AccuSet 800     AGFA-AccuSet 8005F v52.3     AGFA-AccuSet 8005F v52.3
This driver is digitally s <u>Tell me why driver sig</u> r	

1.6 Specify the folder where the printer driver is saved. Ex: "C:'\Sbarco\PrnDrv\WinXP".

nstall F	rom Disk	E
L	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	ОК
-		Cancel
	Copy manufacturer's files from:	
	C:\Sbarco\PmDrv\WinXP	Browse



#### 1.7 Click "Next>".

Add Printer Wizard
Install Printer Software The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Printers
Sbarco T4 200 dpi (PEPL)
This driver is not digitally signed!     I ell me why driver signing is important
<pre></pre>

1.8 Set your printer name. Click "Next>".

Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible. Printer name: Sbarco T4 200 dpi (PEPL)
< Back Next > Cancel

1.9 Select "Do not share this printer". Click "Next>".

r <b>inter Sharing</b> You can share this prii	nter with other network users.
	is printer, you must provide a share name. You can use the be a new one. The share name will be visible to other network
💿 Do not share this p	rinter
O Share name:	

# **SBGRCO**

1.10 If you want to print a test page, select "Yes". Click "Next

Add Printer Wizard
Print Test Page To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
⊖ Yes
⊙ No
Cancel

1.11 Click "Finish" to move to next step.

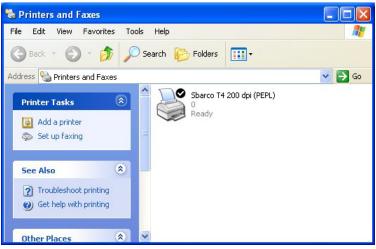
Add Printer Wizard		
	Wizard You have suc	e <b>ting the Add Printer</b> cocessfully completed the Add Printer Wizard. I the following printer settings:
	Name:	Sbarco T4 200 dpi (PEPL)
	Share name:	<not shared=""></not>
	Port	LPT1:
	Model:	Sbarco T4 200 dpi (PEPL)
	Default:	Yes
	Test page:	No
	To close this	wizard, click Finish.
		< Back Finish Cancel

1.12 Click "Continue Anyway" to ignore below message and complete the installation.

Har dwa	re Installation
<u>.</u>	The software you are installing for this hardware: Printers has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> ) <b>Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly</b>
	recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation



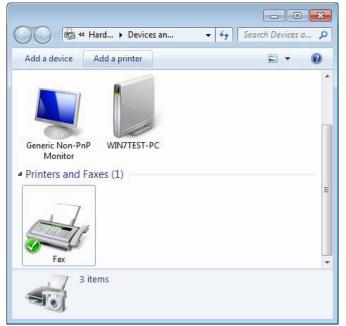
1.13After installation, you will see the "Sbarco T4 200 dpi (PEPL)" icon in the "Printers and Faxes" folder.



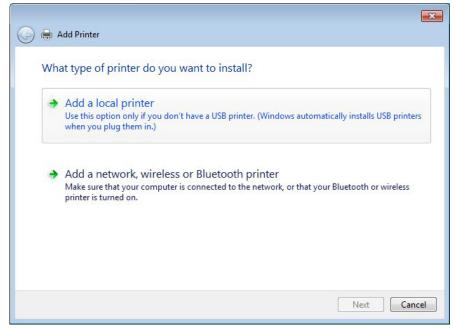


#### 2. For Window 7

2.1 Run "Add a printer" wizard though the "Devices and Printers" folder.



2.2 Select "Add a local printer". Click "Next>".





2.3 Select the port. Click "Next>".

ection that allows your computer to ex	change information with a print
LPT1: (Printer Port)	
Local Port	
	LPT1: (Printer Port)

2.4 Click "Have Disk...".

Characterist	from the list Click Window	
Choose your print	er from the list. Click Window	s Update to see more models.
To install the drive	r from an installation CD, clic	k Have Disk.
Manufacturer	Printers	
Brother	Canon Inkjet il	
Canon	Canon Inkjet i	
Epson	🔄 Canon Inkjet i	
Fuji Xerox	Canon Inkjet i	
C	[] [] [] [] [] [] [] [] [] [] [] [] []	n1000:
This driver is digitally si		Windows Update Have Dis

2.5 Specify the folder where the printer driver is saved. Ex: "C:'\Sbarco\PrnDrv\Win7-Server2008R2".

Install Fro	m Disk	×
4	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from: C:\SBARCO\PmDirv\Win7-Server2008R2	Browse

# SBGRCO

2.6 Click "Next>".

Install the printer driver	
<b>S</b> Ø	st. Click Windows Update to see more models.
To install the driver from an ins	tallation CD, click Have Disk.
No. Will	
Printers	
Sbarco T4 200 dpi (PEPL)	
and a second and the second	
1 This driver is not digitally signed!	Windows Update Have Disk
This driver is not digitally signed! Tell me why driver signing is import	

2.7 Set your printer name. Click "Next>".

🖣 🖶 Add Printer		
Type a printer	name	
Printer name:		
Finite Adme.	Sbarco T4 200 dpi (PEPL)	
This printer will be	installed with the Sbarco T4 200 dpi (PEPL) drive	r.
		2010 C C C C C C C C C C C C C C C C C C



2.8 Click "Finish" to complete the intallation.

🚱 🖶 Add Printer
You've successfully added Sbarco T4 200 dpi (PEPL)
To check if your printer is working properly, or to see troubleshooting information for the printer, print a test page.
Finish         Cancel

2.9 After installation, you will see the "Sbarco T4 200 dpi (PEPL)" icon in the "Devices and Printers" folder.

00-6.	Hard 🕨 Device	s an	• + <sub>j</sub>		vices a P
Add a device	Add a printer	See what's	printing	» 🖺	• 0
Generic Non-Pr Monitor		οc			-
Fax	Sbarco T4 200 (PEPL)	dpi			E.
	ibarco T4 200 dp	N	State: 🔇 Model: Sba egory: Prir	rco T4 200 c	lpi (PEPL)



### Install through plug and play (available on USB)

#### 1 For Window XP

1.1 When you connect the printer with USB cable to the PC, the PC will detect the event of USB plug-in.



1.2 The OS will run the hardware wizard.





1.3 You choose the radio button of "Yes, this time only" to start the driver installation procedure. Click "Next>" to next step.



1.4 Then you can see the printer name on the top of dialog. And choose the radio button of "Install from a list or specific location (Advanced)" to find the printer driver source. Click "Next>" to next step.

ound New Hardware Wizard
Image: State of the state
<pre></pre>



1.5 Select the "Search for the best driver in these locations" and "Include this location in the search:". Click "Browse..." and select the folder where the printer driver is saved (C:\Sbarco\PrnDrv\WinXP). Click "Next>" to next step.

Found New Hardware Wizard
Please choose your search and installation options.
⊙ Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
Include this location in the search:
C:\Sbarco\PrnDrv\WinXP Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
<pre></pre>

1.6 Searching...

Found New Hardware Wizard	
Please wait while the wizard searche	
Sbarco T4 200 dpi (PEPL)	
	3
	<pre></pre>

1.7 Click "OK" to next screen.

Insert D	X	
٩	Please insert the Compact Disc labeled 'Sbarco Installation Disk' into your CD-ROM drive (D:) and then click DK.	ОК
	You can also click OK if you want files to be copied	Cancel
	from an alternate location, such as a floppy disk or a network server.	



1.8 Click "Browse..." and select the folder where the printer driver is saved (C:\Sbarco\PrnDrv\WinXP). Click "OK" to next step.



#### 1.9 Installing...

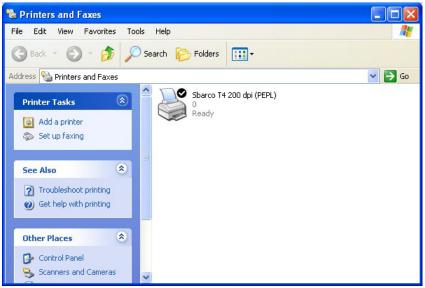
Found New Hardware Wizard					
Please wa	it while the wizard ins	talls the softwar	e	Ð	
5	Sbarco T4 200 dpi (PEF	'L)			
	$\geq$	Ð	D		
		< Ba	ack Next >	Cancel	

1.10 Click "Finish" to complete the installation.

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Sbarco T4 200 dpi (PEPL)
	K Back Finish Cancel



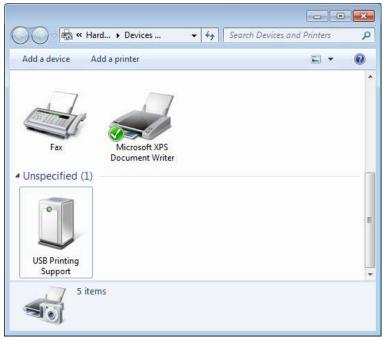
1.11 You can check "Start\Printers and Faxes" folder to confirm your sbarco printer driver.





#### 2 For Window 7

2.1 When the printer connects with PC via USB, the "Devices and printers" folder will show a icon of "USB Printing Support".



2.2 Click "DriverSetup" to install driver at Win7.





2.3 Click "Next>" to next step.

Sbarco Printer Driver Setup Wizard	×
Sbarco Printer Driver Setup Wizard       1.0.5.0         This wizard helps you install printers and make printer connections.       Maenwhile, it can update installed printers.         To continue, dick Next.       This driver support your platform of "Microsoft Windows 7, 32-bit"	
< Back Next > Cancel Help	

2.4 Choose manufacture and printer. Click "Next>".

Sbarco Printer Driver Setup Wizard		×
Printer Select Select the manufacturer and model of		
Manufacturer:	Printers: Sbarco T4 200 dpi (PEPL)	
< Bad	k Next > Cancel	Help



2.5 Set a printer name, connection port and default printer. The list below will show all the Sbarcode printer drivers you have installed. Printer name is unique and cannot be repeated.

Printer I Type	Name e a printer na	me.		
Installed r	printer list:	Select a p	rinter to update or add new	one.
Num.	Printer Na	ame	Port Name	
Use an ex	xisting port:	USB001 (Virtual printer port for USB) [	SBARCO T42 , SN:01100600	)( 🔻
Printer na	ame:	Sbarco T4 200 dpi (PEPL)		
This print	e <mark>r will be inst</mark>	Set as the default printer talled with the "Sbarco T4 200 dpi (PEPL)"	6	

2.6 Confirm to install. Click "Next>".

Sbarco Printer [	Driver Setup Wizard	X
Confirm to Prepare	install stuff of driver files to install	×.
	This wizard had helped you set installation and prepared all stuff of installation. You can install and update printer now. To continue, click Next.	
	< Back Next > Cancel	Help



2.7 The OS will show a warning dialogue to ask you if the installation is confirmed to proceed.



2.8 Installation is proceeding.

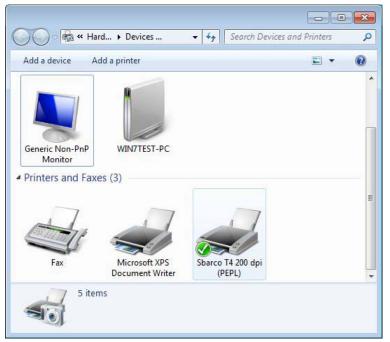
Sbarco Printer	Driver Setup Wiz	ard			×
Printer Ins Installin	s <b>talling</b> g the printer drive	r which you choo	ose.		K
	Please wait a several minu		Wizard is instal	ing Printer Driver.	This need
	driver files ows\system32\spo	ool/DRIVERS\W3	2X86\3\5BACU1	I.DLL	



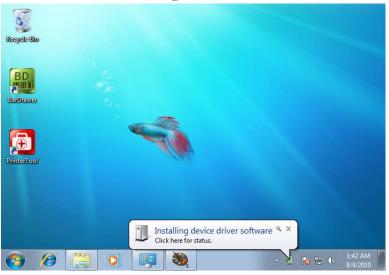
2.9 Complete installation. Click "Printer Test Page" to make printer print a test page. Click "Finish".

Sbarco Printer Driver Setup Wizard		X
	Completing the Printer Setup Wizard	I
	You have succesfully completed the Printer Setup Wizard.	
	Click Finish to complete setup Printer Test Page	
	< Back Finish Cancel Help	P

2.10 You can check "Start\Devices and Printers" to confirm your sbarco printer driver.



2.11 If you add second usb printer driver, the Win-7 will run the automatic installation. Click "Installing device driver software".



2.12 A dialogue box will indicate the installation progress.

Driver Software Installation		<b>X</b>
USB Printing Support insta	lled	
USB Printing Support	Ready to use	
		Close

Driver Software Installation	×
Installing device driver sof	tware
USB Printing Support SBARCO T42	Ready to use Osearching Windows Update
Obtaining device driver software fr Skip obtaining driver software from	om Windows Update might take a while. <u>1 Windows Update</u>
	Close

2.13 Complete the installation, Click "Close".

Driver Software Installation		×
Your device is ready to use		
USB Printing Support Sbarco T4 200 dpi (PEPL)	Ready to use Ready to use	
		Close



- Regele Bio Execute Bio Execute Constructions Finance Finance Constructions Finance Fina
- 2.14 You can see a message to remind you the finish of installation.

2.15 You can check "Start\Devices and Printers" to confirm your sbarco printer driver.





#### Install TCP/IP port (available on Ethernet)

If you buy an Ethernet printer server, you can follow below procedure to install TCP/IP port printer driver.

The "Sbarco Printer Driver Setup Wizard" supports the TCP/IP installation from driver version 1.0.5.0 and DriverSetup 1.4 .

Here introduce only Window 7 installation procedure, other OS can refer this procedure.

#### 1 Through DriverSetup to install.

2.1 When the printer connects with PC via TCP/IP, you can execute the "DeviceSetup" and select "Add new printer and update printers".

Sbarco Printer Driver Setup Wiz	ard	×
	Sbarco Printer Driver Setup Wizard 1.0.5.0 This wizard helps you install printers and make printer connections. Meanwhile, it can update installed printers.	
	To continue, click Next.	
	Only update installed printer	
	Add new printer and update printers     Add new printers     Add new printer and update printers     Add new printers     Add new printer and update printers     Add new printers     Add new printer and update printers     Add new prin	
	This driver support your platform of "Microsoft Windows 7 , 32-bit"	
	< Back Next > Cancel Hel;	<b>,</b>

2.2 When the page "Printer Name and Port" appears, you can press "Add TCP/IP" button to add a TCP/IP port.

arco Prin	ter Driver S	etup Wizard		<b>—</b> ×
	Name and a printer na	Port ame and port.		
Installed	Printer List:		Select a printer to upo	late or add new one.
Num.	Printer N	ame	Port Name	
31	Sbarco T	4 200 dpi (PEPL)	LPT1:	
		LPT1: (Local Port)	Add	TCP/IP Port
Printer na	ame:	Sbarco T4 200 dpi (PEPL)	(Copy 1)	
		Set as the default print	er	
This print	er will be ins	stalled with the "Sbarco T4 2	00 dpi (PEPL)".	
		< Back	Next > Cance	el Help

## SBGRCO

2.3 You can search all Sbarco Ethernet printer server in your intranet by "Search" button.

Printer IP Address:		 Search
Port Name:		
Printer Name:		
MAC Address:		
Port Number:		
	Before continuing be sure th 1. The printer is turned on. 2. The network is connected	

2.4 After searching, the utility will list all IP address of Sbarco Ethernet printer server in the Printer IP Address box. Then you can choose one to add a port.

rinter IP Address:	IP:192.168.11.9	Search
Port Name:	SBARCO_192.168.11.9	
Printer Name:	011010000006	
MAC Address:	00:90:E8:21:87:E1	
Port Number:	4001	
	Before continuing be sure that: 1. The printer is turned on. 2. The network is connected and configured.	

2.5 After adding, the "use an existing port" box will select a TCPIP port that you added before. Then press "Next" to finish last procedure.

arco Print	ter Driver Se	etup Wizard		
	Name and I a printer na	Port ame and port.		No.
Installed	Printer List:		Select a printer to update or add	new one.
Num.	Printer Na	ame	Port Name	
<b>3</b> 1	Sbarco T4	4 200 dpi (PEPL)	LPT1:	
Use an ex	xisting port:	SBARCO_192.168.11.9 (	( Standard TCP/IP Port ) Add TCP/IP Por	▼ t
Printer na	ame:	Sbarco T4 200 dpi (PEPL)	(Copy 1)	
		Set as the default print	ter	
This print	e <mark>r will be ins</mark>	talled with the "Sbarco T4 2	:00 dpi (PEPL)".	
		< Back	Next > Cancel	Help

## SBGRCO

- 2 Through Add a printer to install.
  - 2.6 Select the Add a network item, then press next.

Wha	at type of printer do you want to install?
+	Add a local printer Use this option only if you don't have a USB printer. (Windows automatically installs USB printe when you plug them in.)
•	Add a network, wireless or Bluetooth printer Make sure that your computer is connected to the network, or that your Bluetooth or wireless printer is turned on.

2.7 In this page, please press stop button to interrupt searching, then press "The printer that I want isn't listed".

Printer Name	Address
	Stop



2.8 In "Find a printer by name or TCP/IP address" page, choose "Add a printer using a TCP/IP address or hostname". Then press "Next".

🗿 🖶 Add Printer	
Find a minter by some on TCD (ID address	
Find a printer by name or TCP/IP address	
Browse for a printer	
Select a shared printer by name	
	Browse
Example: \\computername\printername or	
http://computername/printers/printername/.printer	
Add a printer using a TCP/IP address or hostname	
	Next Cancel

2.9 Select "TCP/IP Device" type and enter IP address you have known and port name you want.

🚱 🖶 Add Printer	
Type a printer hostnan	ne or IP address
Device type:	TCP/IP Device
Hostname or IP address:	192.168.11.9
Port name:	SBARCO_192.168.11.9
Query the printer and auto	matically select the driver to use
	Next Cancel

(Note: You could also use Ehternet setup function in "Printer tool" to get the IP address)



2.10 In the port setting page, you must select "Raw Protocol" and the setting of the "Port Number of Raw Settings" must be exactly the same as Ethernet printer server UDP port number. Then check "OK" .

ort Name:	SBAR	CO_192.168.11.9	
inter Name or IP Addre	ss: 192.10	58.11.9	 -
Protocol		C LPR	
Raw Settings			
Port Number:	4001		
LPR Settings			
Queue Name:			
🗖 LPR Byte Counting I	Enabled		
SNMP Status Enable	ed		
Community Name:	public		
SNMP Device Index:	1		

Add Printer

Install the printer driver

 Choose your printer from the list. Click Windows Update to see more models.

 To install the driver from an installation CD, click Have Disk.

Manufacturer	Printers		
Savin		T4 200 dpi Win7 Version: 0.1.0.0	
SBARCO	Sbarco	T4 200 dpi Win7 Version: 0.1.0.1	[8/26/2009]
Sbarco PEPL			
Sharp	-		
C			[
This driver is not digit	ally signed!	Windows Update	Have Disk
Tell me why driver sign	ing is important		



2.11

2.12  $\,$  After installation, you can check ports of driver properties.

Print to the following checked port.	port(s). Documents will p	rint to the first free	
Port	Description	Printer	*
COM2:	Serial Port		
COM3:	Serial Port		
COM4:	Serial Port		
FILE:	Print to File		E
SBARCO_192.168.			
XPSPort:	Local Port	Microsoft XPS [	Docume 🚽
•	III		•
Add Port	Delete Port	Configure	Port
Enable bidirectiona			



### PRINTER DRIVER SETTINGS

During printing, the printer driver based on property values within the machine, to regulate the printer how to work, if not actually set in the print, there may be errors.

Printer driver properties page, including the "Page Setup", "Options", "User Commands", "Tools", and "About".

### 1. Introduction Page Setup page

💩 Sbarco T4 200 dpi (	PEPL) Printing Preferences	?×
Advanced Page Setup	Options User Commands Tools About	
Settings		
No. of Copies:	1 (1 ~ 9999)	
Speed:	3 ips 🗸	
Darkness:	8	
Paper/Layout		$\equiv$
Papers:	User Defined Size 💌	
Width:	4.000 inch	
Height:	3.000 inch	
Paper Layout:	Portrait	
	O Landscape	
	Rotate 180 degree	
Measurement		
Measurement:	⊙inch ○cm ○mm	
	OK Cancel A	Apply

Item	Description
No. of Copies	No. Of Copies is the label of the copy number.
Speed	Speed is the speed of printing
Darkness	Darkness is the color depth of an image when printing. The value too high will easily melt off the ribbon.
Paper	Paper is the actual size of paper that has several built-in size. If
	you can' t find the right size, you can choose "User Defined Size"
	to set the new size.
Width, Height	Width and Height are the paper size. When you select "user- defined size", the two fields will be able to enter the value.
Paper Layout	Paper Layout is printed vertically or horizontally (rotated 90 degrees).
	When the editorial page has been greater than the width of the actual width of the printer, the user must select the "horizontal print" to rotate "Edit Layout" to 90 degrees to edit.
	Height and width of the swap at this time, you do not have limited the actual width of the printer.
Rotate 180 degree	Rotate 180 degree is a rotating "content pages" to print out 180 degrees. Editing not be affected.
	When unchecked, the default printer is printed backwards.
Measurement	Measurement is the unit in which the input value.



### 2. Introduction Options page

anced Page Setup Media Settings	Options User Commands Tools About
Media Type:	Label with Gaps
Gap Length(P1):	0.118 (0.079 ~ 1.201 inch) P1 P2
Gap Offset(P2): 0.000 (-0.398 ~ 0.402 inch)	
Print Method: Character Substitutio	Thermal Transfer
	<sup>nn:</sup> Printer Setting ✓
	✓ Tear Off Position 0,000 (-0.398 ~ 0.598 inch)
<ul> <li>Tear Off</li> </ul>	
O Peel Off	
O Cutter	
/lemory	
CL N. C	Internal RAM
Store Media:	

Item		Description	
Media Settings	Media Settings is	the format of the paper that has "label with gaps",	
	"label with mark	s" and "continuous paper" .	
Label with Gaps	Media Type: Gap Length(P1): Gap Offset(P2):	Label with Gaps 0.118 (0.079 ~ 1.201 inch) 0.000 (-0.398 ~ 0.402 inch)	
	<ul> <li>"Gap Length(P1)" is the distance between P1.</li> <li>"Gap Offset (P2)" is the need to shift after the end of P1 origin from P2. If it is negative, the shift is to move within the interval. If it is positive, the displacement is to move outside the interval.</li> <li>When the sensor moves to B, the printer does not recognize the actual size of the interval. At this point we must increase the value of P1, so that point B closer to P2, in order to allow the printer to identify the actual interval.</li> <li>When the sensors move to A or C at the time, the printer can recognize the actual size of the interval. So now only need to enter the distance value of P1.</li> </ul>		
Label with Marks	Media Type:	Label with Marks	
	Black Line(P1):	0.118 (0.079 ~ 1.201 inch)	
	Thickness Offset(P2):	0.000 (-0.398 ~ 0.402 inch)	
	♦ "Thickness C	P1)" is the distance between P1. Offset (P2)" is the need to shift after the end of P1 origin is negative, the shift is to move within the black line. If	

# SBGRCO

	it is positive	e, the displacement is to move outside the black line.
Continuous	Media Type:	Continuous
	Stop Offset (P3):	0.000 (0.000 ~ 2.000 inch)
	Stop On Last Ele	ment
	<ul> <li>print to the</li> <li>"Stop Offset stopped, you</li> <li>"Stop On La image in the specified ler shall be can</li> </ul>	
Print Method	printing. When you select without ribbon. V	To select the ribbon or not ribbon for "Direct Thermal" mode, the printer print When you select "Thermal Transfer" r print with ribbon.
Character Substitution	print the printer' previous settings	ution is to choose the "Slash Zero" or "No Slash Zero" to s built-in fonts. Or, select the "Printer Settings" from the to decide.
Store Media	<ul> <li>Stash Zero — , No Stash Zero —</li> <li>Store Media is the form stored within the storage location of the printer, respectively:</li> <li>"Internal RAM" When the printer power is off, then all forms will disappear.</li> <li>"Internal Flash ROM" when the printer power is off, then all forms will be stored permanently.</li> <li>"SD Card"</li> </ul>	
<b>Device Options</b>		lt option when printing.
(Normal) Device Options	C Device Options	Device Setting
(Tear Off)	○ Normal	✓ Tear Off Position 0.000 (-0.398 ~ 0.598 inch)
	💽 Tear Off	
	O Peel Off	
	Cutter	
	the paper at Tear Off Po	e is when the printer to stop printing, the printer will feed t the tear off blade, to allow users to easily tear. osition" can be adjusted, checked items will be adjusted in the specified value.



peeler will sted in
in
eut



### 3. Introduction User Commands page

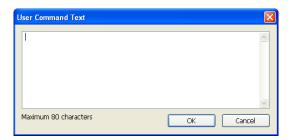
> When there is a specific instruction needs to be transferred to the printer, the user can enter commands here. For transfer instructions, check the time, and press the "..." button and the dialog box will appear for users to enter commands and other information.

💩 Sbarco T4 200	dpi (PEPL) Printing Preferences	? 🛛
Advanced Page Se	tup Options User Commands Tools About	
Start of Job:		
End of Job:		
Start of Page:		
End of Page:		
	Maximum 80 characters	
	OK Cancel	Apply

Item	Description
Start of Job	Start of Job is sending commands or data to the printer before printing
	the entire job.
End of Job	End of Job is sending commands or data to the printer to print at the
	end of the job.
Start of Page	Start of Page is to send commands or data to the printer before
	starting to print on each label.
End of Page	End of Page is every label print job for each end point, to send
	commands or data to the printer.

➢ User Command Text Dialog

Press the "..." button and the dialog box will appear for users to enter commands and other information. The edit box only can enter 80 characters.





### 4. Introduction Tools page

Here are some common requirements for the user to click buttons to perform the function.

🌢 Sbarco T4 200 dpi (PEPL) Printi	ng Preferences 🛛 🖓 🚺
Advanced Page Setup Options User (	Commands Tools About
Print-	Configuration
Generic Test	Print Configuration
Blank Page	Error Report
Storage Memory	Action
Print Graphics List	Calibration Test
Print Forms List	Factory Defaults
Print Soft Fonts List	Reset Printer
	Label Feed
Send to Printer	
Send Printer Command	
Send File To Printer	
Show prompt messages	
	OK Cancel Apply

Item	Description		
Generic Test	"Generic Test" commands the printer to print out a label with "TEST" message.		
Blank Page	"Blank page" commands the printer to feed out a blank label.		
Print	"Print Configuration " commands the printer to print out a label		
Configuration	with the printer settings.		
Error Report	"Error Report" commands the printer to print out an error code		
	label.		
Print Graphics	"Print Graphics List" commands the printer to print out a label.		
List	The label has a list of image stored inside the printer.		
Print Forms List	"Print Forms List" commands the printer to print out a label. The label has a list of form stored inside the printer.		
Print Soft Fonts List	"Print Soft Fonts List" commands the printer to print out a label. The label has a list of soft-font stored inside the printer.		
Calibration Test	"Calibration Test " commands the printer to do the paper		
	calibration work.		
Factory Defaults	"Factory Defaults" commands the printer to reset to factory		
	defaults.		
Reset Printer	"Rest Printer" commands the printer to do the reset.		
Label Feed	"Label Feed" commands the printer to feed a label.		
Send Printer	The driver will appear an edit-dialog to provide user input data or		
Command	instruction. After the input, the driver will transfer the contents of		
	the input to the printer.		
Send File To	The driver will appear a file browse dialog to provide user select a		



Printer	file. After selecting, the driver will transfer the file to the printer.
Show prompt	If you check this feature, the program will display a prompt after
messages	the completion message. And inform the user has been completed.

## 5. Introduction About page

崣 Sbarco T4 200 dpi (PEPL) Printing Preferences 🛛 🛛 🛛 🔀		
Advanced Page Setup Options User Co	mmands Tools About	
Starco Technology Co., Ltd. Copyright (C) Sbarco Technology Co., Ltd. http://www.sbarcotech.com		
	Version Driver for SBARCO T4 200 DPI printer PEPL Command Driver Version: 1.3.0 Command Engine: 1.3.0 Support Firmware: 1.0.30	
OK Cancel Apply		

Item	Description	
Driver Version	This is the version of printer driver.	
Command Engine	This is the printer language command version.	
Support Firmware	This is the required printer driver with the printer firmware	
	version.	

