# **Introduction**

Thank you for purchasing the D-Link DU-CP USB to Parallel Converter cable. An ultimate upgrading printer solution to USB plug-and-play capacity of your PCs. By applying this DU-CP cable, it is easy to connect traditional printer to latest slim notebook PC or PDA with only one or two USB ports. In such condition, DU-CP cable is deemed to be a best solution between USB and printers for sure. This guide shows you how to install the device.

#### **System Requirements**

PC compatible runs Windows 98, Windows 2000 or Windows ME.

IEEE 1284 compliant parallel printer set to uni-directional mode.

Windows 98, Windows 2000 or Windows ME compatible parallel printer and printer drivers.

Open USB port.

#### **Box Includes**

D-Link DU-CP, the USB to parallel port converter cable

Driver Disk

User's Guide

#### **Features**

Turn any Windows 98, Windows 2000 or Windows ME compatible parallel printer into a USB printer. Simply connect this cable to your printer, plug it into a USB port, and run the included diskette to enjoy the benefits of USB printing! Free your existing parallel port for other devices. Gain the speed and ease of USB

USB specification 1.1 compliant

Support both OHCI and UHCI specification

IEEE 1284 compliant

1 USB type 'A' connector

1 standard Centronics parallel printer connector

Supports Windows 95(OSR 2.1), Windows 98, Windows 2000 or Windows ME parallel printer in uni-directional mode.

Free support

# Installation of DU-CP under Win98

#### Note :

- 1. Please install DU-CP at the procedure below.
- 2. Plug the USB cable into the downstream port located in the back of your computer or USB HUB port.

## Step A:

(Ref Figure A-1)

A1.

### To install the DU-CP drivers.



#### A2.

Click "Next" to continue. (Ref Figure A-2)

Add New Hardware Wi	zard
	<ul> <li>What do you want Windows to do?</li> <li>Search for the best driver for your device. [Recommended].</li> <li>Display a list of all the drivers in a specific location, so you can select the driver you want.</li> </ul>
	< <u>B</u> ack Next > Cancel

## A3.

- (1) Select "Floppy disk drives" or "Specify a location".
- (2) Click "Next" to start and search.

(Ref Figure A-3)

Add New Hardware Wiz	zard
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.         ✓       Floppy disk drives         ✓       Eloppy disk drives         ✓       CD-ROM drive         ✓       Microsoft Windows Update         ✓       Specify a location:         ▲:\       ✓         Browse
	< <u>B</u> ack Next > Cancel

### *A4.* Click "Next" to continue. (Ref Figure A-4)



## A5.

Click "Finish", Windows has finished installing the device. (Ref Figure A-5)



## Step B: To setting the printer port.

*B1.* Be sure to set printer port configuration to "PB1284-1 [USB Port]".

Canon Bubble-Jet BJC-4550 Properties	?×
General Details Color Management Sharing Paper Graphics	
Canon Bubble-Jet BJC-4550	
Print to the following port:	
PB1284-1 (USB Port)  Add Port	
Print using the following driver:	
Canon Bubble-Jet BJC-4550	
Capture Printer Port End Capture	
Timeout settings	
Not selected: 15 seconds	
Transmission <u>r</u> etry: 45 seconds	
Spool Settings Port Settings	
OK Cancel Ap	ply

Note:

Since some bi-directional printers are not supported by the driver, bi-directional function must be disabled until installation and testing are completed. You can later enable bi-directional function to test if driver supports connected bi-directional printers.

# USB device installed list as following

A)

If the "DU-CP" device is installed successfully, You can move the cursor to "My computer". Click the mouse right bottom. It will show a dialog then click "properties", it will show a dialog" System properties". Then click "Device Manager". Then select "DU-CP USB Parallel Port". It will show a new direction "DU-CP USB Parallel Interface Controller".

öystem Pr	operties				? ×
General	Device Manag	jer Hardware	Profiles   Per	formance )	
	w devices by ty mputer CDROM Disk drives Display adapt DUCP USB DUCP USB DUCP USB DUCP USB DUCP USB DUCP USB DUCP USB Comparison Hard disk cor Keyboard Monitors Mouse Network adap Ports (COM & System device Universal Ser	pe OV ers Parallel Pont SB Parallel Inte ontrollers htrollers bters LPT) ers es es aia Bus controlle	ew devices b rface Controll ers	y <u>c</u> onnection er	n
P <u>r</u> o	perties	Re <u>f</u> resh	R <u>e</u> move		Pri <u>n</u> t
				ОК	Cancel

# Uninstallation

A)

- (1) Select "DU-CP".
- (2) Click "Uninstall" to uninstall drivers of DU-CP.



B)

If you wish to uninstall the driver, please select "Yes" to continue.



C)

Please click "Yes" to restart the system and complete the device's removal.

Restart	×
?	Windows must be restarted to complete the device removal. Do you wish to restart now?
	<u>是政</u> 否则

# Installation of DU-CP under Win2000

Note :

- 1. Plug the USB cable into the downstream port located in the back of your computer or USB HUB port.
- 2. It will install the driver of DU-CP automatically.

### To setting the printer port.

Be sure to set printer port configuration to "USB001".

Canon Bubble-Jet BJC-4550 Properties			? ×	
Color Manag General Ca Print to the for checked pot	ement Sec Sharir non Bubble-Jet B llowing port(s). D	surity De ng 3JC-4550 Documents wil	vice Settings Ports	Maintenance Advanced
Port	Description		Printer	
COM1: COM2: COM3: COM4: FILE:	Serial Port Serial Port Serial Port Serial Port Print to File			
USB001	Virtual printer (	port for USB	Canon Bubbl	e-Jet BJC-455I <del>▼</del>
Add Po	directional suppo	<u>D</u> elete Port	<u><u></u></u>	onfigure Port
Γ	ОК	Cancel	Apply	Help

Note:

Since some bi-directional printers are not supported by the driver, bi-directional function must be disabled until installation and testing are completed. You can later enable bi-directional function to test if driver supports connected bi-directional printers.

# USB device installed list as following

If the "DU-CP" device is installed successfully, You can move the cursor to "My computer". Click the mouse right bottom. It will show a dialog then click "properties", it will show a dialog "System properties". Then click "Hardware" and click "Device Manager". Then select "Universal Serial Bus controllers". It will show a new direction "USB Printing Support".

🚚 Device	Manager _ 🗌 🗶
<u>A</u> ction	View
🖃 🚚 TES	5T2
÷. 📃	Computer
÷	Disk drives
÷	Display adapters
÷	DVD/CD-ROM drives
÷=	Floppy disk controllers
÷=	Floppy disk drives
÷ 🔁	IDE ATA/ATAPI controllers
÷ 🕸	Keyboards
🖻 🗠 🕥	Mice and other pointing devices
÷… 🖳	Monitors
÷	Network adapters
	Ports (COM & LPT)
÷.	SCSI and RAID controllers
÷.4	Sound, video and game controllers
÷	System devices
⊡⊶€;	Universal Serial Bus controllers
	😴 Generic USB Hub
	The Science of the USB Universal Host Controller
	🙀 USB Printing Support
	🕰 USB Root Hub

# Installation of DU-CP under WinME

#### Note :

- 1. Please install DU-CP at the procedure below.
- 2. Plug the USB cable into the downstream port located in the back of your computer or USB HUB port.

## Step A :

### To install the DU-CP drivers.



 Please insert the driver disk.
 Select "Automatic search for a better driver (Recommended)" and then click "Next" to continue.
 (Ref Figure A-1)



## *A2.* Click "OK" to continue. (Ref Figure A-2)



## АЗ.

Click "Finish", Windows has finished installing the device. (Ref Figure A-3)



## Step B: To setting the printer port.

*B1.* Be sure to set printer port configuration to "PB1284-1 [USB Port]".

Canon Bubble-Jet BJC-4550 Properties	? ×
General Details Color Management Sharing Paper Graphics	
Canon Bubble-Jet BJC-4550	
Print to the following <u>p</u> ort:	
PB1284-1 (USB Port) Add Port	
Print using the following driver:	
Canon Bubble-Jet BJC-4550  New Driver	
Capture Printer Port End Capture	
Timeout settings	
Not selected: 15 seconds	
Transmission retry: 45 seconds	
Spool Settings Port Settings	
OK Cancel	oply

#### Note:

1. For printer port setting:

Be sure to set printer port configuration to "PB1284-1."

2. Since some bi-directional printers are not supported by the driver, bi-directional function must be disabled until installation and testing are completed. You can later enable bi-directional function to test if driver supports connected bi-directional printers.

## USB device installed list as following

If the "DU-CP" device is installed successfully, You can move the cursor to "My computer". Click the mouse right bottom. It will show a dialog then click "properties", it will show a dialog" System properties". Then click "Device Manager". Then select "DU-CP USB Parallel Port". It will show a new direction "DU-CP USB Parallel Interface Controller".



# Uninstallation

- A)
- (1) Select "DU-CP".
- (2) Click "Uninstall" to uninstall drivers of DU-CP.



### B)

If you wish to uninstall the driver, please select "Yes" to continue.



#### C)

Please click "Yes" to restart the system and complete the device's removal.

Restart	×
?	Windows must be restarted to complete the device removal. Do you wish to restart now?