<u>EPSON USB Printing Software for TM/BA/EU Printers</u> <u>USB Device Driver</u> <u>Installation Manual</u>

May 23, 2000, Revision A

Seiko Epson Corporation

Revision History

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	Date		
А	2000/5/23	Newly Created	-

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1. Introduction

To use USB-connectable EPSON TM/BA/EU printers, it is necessary to install the USB device driver.

This manual explains how to install the USB device driver.

2. Operating environment

Personal computer

- AT compatibles
 - * This is restricted to devices that have USB ports and for which the manufacturer of the computer guarantees the operation of the USB port.

OS

- Microsoft Windows 2000
- Microsoft Windows 98 Second Edition

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3. Verifying the computer's USB port

Check that the computer can use a USB before installing the USB device driver.

For Windows 2000

- 1. Right click on the My Computer icon and open [Properties].
- 2. Select the [Hardware] tab and click the [Device Manager] button to open [Device Manager].
- 3. Check that [USB (Universal Serial Bus) controllers] is displayed.
 - * If [USB (Universal Serial Bus) controllers] is not displayed, the USB device driver cannot be used.



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For Windows 98 Second Edition

- 1. Right click on the My Computer icon and open [Properties].
- 2. Select the [Device Manager] tab and check that [Universal Serial Bus controllers] is displayed.
 - * If [Universal Serial Bus controllers] is not displayed, the USB device driver cannot be used.

System Properties	? ×
General Device Manager Hardware Profiles Performance	
© View devices by type C View devices by gonnection	
Computer	
R- 🔐 CDROM R- 📰 Disk drives	
E- Disk drives	
⊕ Eloppy disk controllers	
E-G Hard disk controllers	
🕀 🤹 Keyboard	
🕀 🖳 Monitors	
🕀 🕤 Mouse	
Image: Provide the second	
H- Prots (COM & LPT)	
Intel 82371AB/EB PCI to USB Universal Host Controller	
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4. Connection

The printer must be connected following the sequential order described in this manual.

If a different order is used, the printer may not function normally.

When connecting a printer directly to the computer

- 1. Switch on the power to the computer.
- 2. Connect the printer's AC adapter to the printer.
- 3. Connect the AC adapter to the power outlet.
- 4. Connect the USB cable's B connector to the printer's upstream port.
- 5. Switch on the power to the printer.
- 6. Connect the A connector for the already connected cable to the computer's USB port.

Next, proceed to [5. Installing the USB device driver].

When connecting a printer to a USB hub that is connected to the computer

- 1. Switch on the power to the computer and check that the connected USB hub is functioning normally.
- 2. Connect the printer's AC adapter to the printer.
- 3. Connect the AC adapter to the power outlet.
- 4. Connect the USB cable's B connector to the printer's upstream port.
- 5. Switch on the power to the printer.
- 6. Connect the A connector for the already connected cable to the downstream port for the USB hub that is connected to the computer.

Next, proceed to [5. Installing the USB device driver].

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5. Installing the USB device driver

If the printer is connected according to the procedure outlined in [4. Connection], [Generic USB Hub] will be detected and installed. After this, the [EPSON UB-U01/02] will be detected.

For Windows 2000

1. The [EPSON UB-U01/02] is detected and the [Found New Hardware Wizard] appears.



2. Click the [Next] button to display the following screen.



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3. Select [Search for a suitable drive for my device{recommended}] and click the [Next] button to display the following screen.

nd New Hardware Wizard Locate Driver Files	50
Where do you want Windows to sear	ch for driver files?
Search for driver files for the following	hardware device:
PSON UB-U01/02	
The wizard searches for suitable drive any of the following optional search lo	rs in its driver database on your computer and in cations that you specify.
To start the search, click Next. If you insert the floppy disk or CD before clic	are searching on a floppy disk or CD-ROM drive, king Next.
Optional search locations:	
Floppy disk drives	
CD-ROM drives	
Specify a location	
Microsoft Windows Update	

4. Select [Specify a location] and click the [Next] button to display the following screen. Click the [Browse] button, installation folder location of USB device driver is specified.

Exp.) C:\Program Files\EPSON Advanced Printer\USB Controller

Click the [OK] button to start the search for the driver.



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5. Once the driver is found, the following screen will appear.



- 6. Check that [EPSON UB U01/02] is displayed. Click the [Next] button to begin installing the driver.
- 7. After the driver has been installed, the following screen will appear.



8. Click the [Finish] button to complete the installation process.

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9. After the driver has been installed, check that [Generic USB Hub] and [EPSON USB Controller for TM/BA/EU Printers] are displayed under [USB (Universal Serial Bus) controllers] in [Device Manager].



10. After the printer has been correctly connected and the USB device driver installed, only connection is required for the printer to function, as the USB device driver will be loaded automatically.

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For Windows 98 Second Edition

1. The [EPSON UB-U01/02] is detected and the [Add New Hardware Wizard] appears.



2. Click the [Next] button to display the following screen.



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3. Select [Search for the best driver for your device.(Recommended)] and click the [Next] button to display the following screen.

Windows will search for updated drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Eloppy disk drives
D-ROM drive
☐ Microsoft Windows Update
Specify a location:
C:\Program Files\EPSON Advanced Printers\US 💌
Browse
-

- Click the [Browse] button, installation folder location of USB device driver is specified.
 Exp.) C:¥Program Files¥EPSON Advanced Printer¥USB Controller
 Click the [OK] button to start the search for the driver.
- 5. Once the driver is found, the following screen will appear.



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- 6. Check that [EPSON USB Controller for TM/BA/EU Printers] is displayed and click the [Next] button to begin installing the driver.
- 7. After the driver has been installed, the following screen will appear.



8. Click the [Finish] button to complete the installation process.

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9. After the driver has been installed, check that [Generic USB Hub] and [EPSON USB Controller for TM/BA/EU Printers] are displayed under [Universal Serial Bus controllers] in the [Device Manager].tab of [System Properties].

System Properties
General Device Manager Hardware Profiles Performance
View devices by type View devices by connection COROM Disk drives Display adapters Floppy disk controllers
Hard disk controllers Hard disk controllers
Controllers Controllers Controller for TM/BA/EU Printers Controller to USB Hub Controller Intel 82371AB/EB PCI to USB Universal Host Controller USB Root Hub
Properties Refresh Remove Print
OK Cancel

10. After the printer has been correctly connected and the USB device driver installed, only connection is required to for the printer to function, as the USB device driver will be loaded automatically.

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6. Updating old versions of the USB device driver

This section explains how to update an old version of the USB device driver being used with Windows 98 Second Edition.

 Connect the printer to the computer and select [EPSON USB Controller for TM/BA/EU Printers] under [Universal Serial Bus controllers] in the [Device Manager].tab of [System Properties].

/stem Properties	?:
General Device Manager Hardware Profiles Performance	
View devices by type C View devices by gonnection	
🕸 📸 CDROM	•
🕀 🚍 Disk drives	1.1
🕀 🖳 Display adapters	
E-B Floppy disk controllers	
🕀 🖶 Hard disk controllers	
🕀 📸 Keyboard	
🕀 🖳 Monitors	
🕀 🕤 Mouse	
Element adapters	
🕀 – 🖉 Ports (COM & LPT)	
⊞-🛄 System devices	
E- 🖶 Universal Serial Bus controllers	
 EPSON USB Controller for TM Printer Series 	
- 😋 Generic USB Hub	
- 😋 Intel 82371AB/EB PCI to USB Universal Host Controller	
ାଙ୍କି USB Root Hub	-
Properties Refresh Remove Print	
Close	Cancel

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2. Click the [Properties] button to open the Properties screen. Select the [Driver] tab.

EPSON USB Controller for TM Printer Series Properties
General Driver
EPSON USB Controller for TM Printer Series
Provider: EPSON
Date: 5-25-1999
To view details about the driver files loaded for this device, click Driver File Details. To update the driver files for this device, click Update Driver.
Driver File Details Update Driver
OK Cencel

3. Click the [Update Driver] button and the [Update Device Driver Wizard] will appear.



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4. Click the [Next] button to display the following screen.



5. Select [Search for a better driver than the one your device is using now. (Recommended)] and click the [Next] button to display the next screen.

Update Device Driver	Wizard Windows will search for updated 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
	CD-ROM drive
	■ Microsoft Windows Update
	Specify a location:
	C:\Program Files\EPSON Advanced Printers\US
~	Browse
	< <u>B</u> ack Next> Cancel

Click the [Browse] button, installation folder location of USB device driver is specified.
 Exp.) C:¥Program Files¥EPSON Advanced Printer¥USB Controller
 Click the [OK] button to start the search for the driver.

EPSONTITLE
EPSON USB Printing Software for TM/BA/EU Printers
USB Device Driver
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A1615

7. Once the driver is found, the following screen will appear.



8. Select [The updated driver (Recommended)] and click the [Next] button to display the following screen.

Update Device Driver Wizard		
	Windows driver file search for the device: EPSON USB Controller for TM/BA/EU Printers The best driver Windows found is already installed for this device. Click Back to install a different driver, or click Next to continue using this driver. Location of driver: C:\WINDOWS\INF\TMUSB90.INF	
	< Back Next> Cancel	

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- 9. Check that [EPSON USB Controller for TM/BA/EU Printers] is displayed. Click the [Next] button to begin installing the driver.
- 10. After the driver has been installed, the following screen will appear.



11. Click the [Finish] button to complete the installation process.

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12. After the driver has been installed, check that the date on the Properties [Driver] tab is 5-19-2000.



13. Click the [Driver File Details] button to open the [Driver File Details] screen.

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14. Select [WINDOWS¥SYSTEM32¥DRIVERS¥TMUSB90.SYS] to verify that file version 1.10 is being used.

Driver File Deta	ails X
epso	DN USB Controller for TM/BA/EU Printers
Driver files:	
- C:\WINDO\	WS\SYSTEM\TMUSB90.SYS WS\SYSTEM\VMM32.VXD (ntkem.vxd) WS\INF\TMUSB90.INF
	VS(SYSTEM32)DRIVERS)TMUSB90.SYS
Provider:	SEIKO EPSON Corp.
File version:	1.10
Copyright	Copyright(C) 1999-2000 SEIKO EPSON Corp.
	OK

15. If [WINDOWS¥SYSTEM¥TMUSB90.SYS] is displayed in the [Driver File Details] screen, use Windows Explorer to delete TMUSB90.SYS in the WINDOWS¥SYSTEM directory, then reconnect the printer.

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16. Open the [Driver File Details] screen and verify that [WINDOWS¥SYSTEM¥TMUSB90.SYS] is not displayed.

Driver File Deta	ails	×
🚓 EPSC	DN USB Controller for TM/BA/EU Printers	
- C:\WINDOV	VS\SYSTEM32\DRIVERS\tmusb90.sys VS\SYSTEM\VMM32.VXD (ntkem.vxd) VS\INF\TMUSB90.INF	-
Provider:	SEIKO EPSON Corp.	
File version:	1.10	
Copyright	Copyright(C) 1999-2000 SEIKO EPSON Corp.	
	ОК	ב

17. This completes the driver update process.

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