

UB-U01III/U02III/U03II User's Manual

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EMC and Safety Standards Applied

Product Name: UB-U01III/U02III/U03II

Model Name: M148E

The following standards are applied only to the boards that are so labeled. (EMC is tested using the EPSON power supplies and TM series printers.)

Europe: CE marking
North America: EMI: FCC/ICES-003 Class A
Japan: EMI: VCCI Class A
Oceania: EMC: AS/NZS 3548/CISPR22 Class B

WARNING

The connection of a non-shielded printer interface cable to this board will invalidate the EMC standards of this device. You are cautioned that changes or modifications not expressly approved by SEIKO EPSON Corporation could void your authority to operate the equipment.

CE Marking

The printer conforms to the following Directives and Norms:

Directive 89/336/EEC	EN 55022 Class B EN 55024
	IEC 61000-4-2
	IEC 61000-4-3
	IEC 61000-4-4
	IEC 61000-4-5
	IEC 61000-4-6
	IEC 61000-4-11

The printers in which this board is installed do not conform to the following:

Directive 90/384/EEC EN 45501

FCC Compliance Statement For American Users

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FOR CANADIAN USERS

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Before Using

Be sure to read this manual carefully for effective and correct use of the product and store it in accessible location.

Key to Symbol

The symbol in this manual is defined below. Read the following carefully before handling the product.



CAUTION:

Observe cautions to avoid minor injury to yourself or damage to your equipment.

Precaution

To avoid contamination, do not touch the board connector.

Introduction

The UB-U01III/U02III/U03II, designed for EPSON® TM printers, is a USB interface board.

- ❑ When you install the UB-U01III/U02III, you cannot use a display module connector (DM connector) on the printer. Use the DM connector on the UB-U01III/U02III.
- ❑ The UB-U01III uses a bus-powered hub. Note that it cannot be directly connected to other bus-powered hubs (including the UB-U01III) or bus-powered functions that consume current over 100 mA. (The UB-U02III and UB-U03II can be directly connected to the hub on the UB-U01III.)

Operation Environments When Using USB Port

- ❑ Operation Environments
Hardware: USB compliant PC
OS: Windows 98 or later (Second Edition is recommended)
For detailed information on other operating systems, please ask your dealer.
Software: You need a device driver when you use the product.
Please ask your dealer how to get the device driver for the UB-U01III/U02III/U03II and how to install it.

Note:

Even if the above operation environments are satisfied, your system may not work properly, depending on the devices connected to your system.



CAUTION:

When you use the PA/PB series AC adapter packed with the TM series, do not use the DM connector on the UB-U01III/U02III and on the TM printer. If it is used, the display module may be damaged.

Unpacking

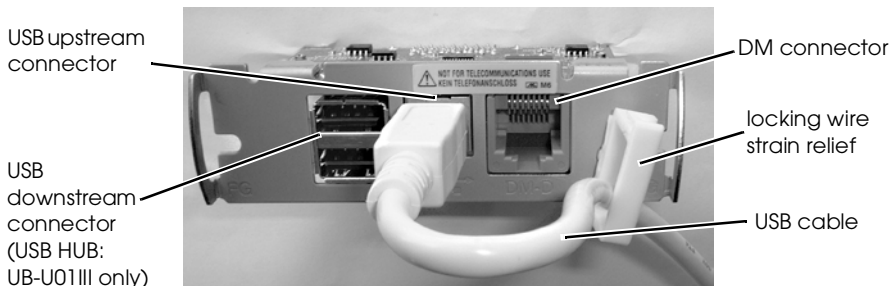
Make sure you have these items. If any item is missing or damaged, please contact your dealer for assistance. If necessary, you can get a locking wire strain relief separately through your dealer by using the part numbers listed below in brackets.

- ❑ UB-U01III/U02III/U03II
- ❑ This manual
- ❑ Ferrite core [2031678]
- ❑ Locking wire strain relief
 - For UB-U01III/U02III [1061268]
 - For UB-U03II [1091047]

Connecting the Interface Cable

USB Interface Cable Connection

1. Make sure both the printer and the host computer are turned off.
2. Hook the USB cables through the locking wire strain relief to keep it in place.



3. Insert the square connector end of the USB cable into the upstream connector of the UB-Board.
4. Insert the opposite end of the USB cable into the downstream connector of the host computer.
5. Change the printer settings to the parallel interface settings. If you use a printer that permits selecting the setting of the I/F pin 31 reset signal, select "Enabled." For details, see the settings described in the printer documentation.
6. Install the device driver for the TM-U01III/U02III/U03II. For installation procedures, please ask your dealer.

Display Module

If you install a display module, be sure to use the following settings.

Item	Selection	
Transmission setting	Baud rate	19200 bps
	Parity	None
	Data word length	8 bit
Default setting of Device selection (only for displays for which the setting can be changed)	Only display selected	
Connection type (only for displays for which the setting can be changed)	Y connection disabled	

See the manual for more details of the display module setting. Also, you should note the following points before installing.



CAUTION:

Do not connect any device other than the EPSON display module connector to the DM connector. Also, do not connect other lines, such as a telephone line, to the DM connector; otherwise the printer and other lines may be damaged.

Be sure to mount the ferrite core on the display module cable to satisfy the EMI standard.

To mount the ferrite core, put the display module cable into the ferrite core, as shown in the illustration below.

