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EPSON
EXCEED YOUR VISION

TM-T88V Bluetooth® Interface Model

This guide presents contents related to Bluetooth Interface unit and important information intended to ensure safe and effective use of this product. Read this guide carefully and store it in an accessible location.

EMC Standards Applied

Product Name: IBT I/F Circuit Board

Model Name: M315A

The following standards are applied only to the interface boards that are so labeled. (EMC is tested using the EPSON power supplies and TM-T88V.)

Europe: CE marking

North America: EMI: FCC/CAN ICES-3 (A)/NMB-3 (A)

WARNING

You are cautioned that changes or modifications not expressly approved by Seiko Epson Corporation could void your authority to operate the equipment.

CE Marking
DECLARATION of CONFORMITY

According to ISO/IEC Guide 22 and EN 45014

Manufacturer: SEIKO EPSON CORPORATION

Address:3-5, Owa 3-chome, Suwa-shi, Nagano-ken 392-8502 JAPAN

Representative: EPSON FRANCE S.A.

Address: Parc Technologique Europarc 60, Rue Auguste
Perret 94043 Creteil Cedex France

Declares that the Product: Product Name: Interface Board
Model Name: M315A
Commercial Name: IBT I/F Circuit Board

Conforms to the following Directives and Norms

R&TTE: Directive 1999/5/EC
EN 300 328
EN 301 489-1
EN 301 489-17
EN 60950-1
EN 62311

The printers in which this board is installed do not conform to the following:
Directive 90/384/EEC EN45501

USA

NOTICE

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.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada

English: This device conforms to IC, Low Power License-Exempt Radio Communication Devices (RSS-210).

The information such as Certification No., Model Name, and Manufacturer Name are described on the surface of the module.

Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of this device.

French: Cette imprimante est conforme aux Dispositifs de radiocommunication de faible puissance exempts de licence (CNR-210), de l'IC.

Les informations telles que numéro de certification, nom du model, ou nom du fabricant sont décrites sur la surface du module.

L'utilisation de ce dispositif est autorisee seulement aux conditions suivantes:

1. il ne doit pas produire de brouillage et
2. l'utilisateur du dispositif doit etre pret a accepter tout brouillage radioelectrique recu, meme si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Europe

Hereby, Seiko Epson Corporation declares that this M315A is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Italy

In Italy, if used outside of own premises, general authorization is required.

This Model can be Used Only in the Countries/Areas Listed Below:

Austria, Belgium, Bulgaria, Czech, Denmark, Estonia, Finland, France, Germanym Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxemburg, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, UK, U.S.A, and Canada

RF Module

This equipment contains the following wireless module.

Manufacturer: Fujitsu Component Limited

Model Name: MBH7BTZ50

Product Name: Bluetooth Module

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notes on Usage

Timing of cutting off connection

If data transfer from an application of the host has already been completed, data might remain in the printer internal buffer. As such data remaining in the buffer might be lost when the connection is cut off, use the status and similar functions to check that transmitted data has been completely printed when printing or cutting off the wireless connection.

Setting the Printer

When using this printer, setting ON the DIP switch 2-8.

Notes on Using with iOS-equipped Devices

Note the following points when using this product with iOS-equipped devices.

Depending on the iOS specifications, print data may be deleted if it is sent while the printer is not ready to print.

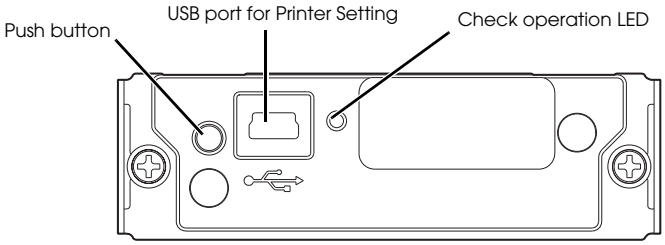
The printer is unable to print in cases such as

- when the roll paper cover is open.
- when the paper is out.

Communication Specifications

- ❏ Conforms to Bluetooth Specification Version 2.1+EDR
- ❏ Equipped with the Serial Port Profile (SPP)
- ❏ Equipped with the iAP protocol
- ❏ Bluetooth Power Class 2 model
- ❏ Built-in antenna

Part Names of the Interface board



Push button

The Push button has the following functions.

- ❏ Status Sheet Printing
  1. Turn on the printer, wait for about 7 seconds.
  2. Keep pressing the Push button on the interface board for more than 3 seconds.The printer starts printing the settings for the interface board and the information of software version.

  You can check all the information required for the Bluetooth connection (BD_ADDR, PassKey, DeviceName) by this status sheet.
- ❏ Initialize wireless communication settings
  1. Turn off the printer.
  2. While pressing the Push button on the interface board, turn on the printer. (Keep pressing the button until the printer starts printing wireless communication setting sheet.)

3. Press the Push button.
4. Press the Push button again. (Keep pressing the button until the printer starts printing.)

Initialize wireless communication settings is complete.

❑ Setting to automatically reestablish the connection

1. Install the roll paper.
2. Close the roll paper cover.
3. While pressing the Push button on the interface board, turn on the printer. (Keep pressing the button until the printer starts printing.)
   The printer starts printing instructions (Wireless Module Setup).
4. Press the Push button 2 times.
5. Press the Push button again. (Keep pressing the button until the printer starts printing.)
   The printer starts printing instructions (Bluetooth Setting).
6. Press the Push button.
7. Press the Push button again. (Keep pressing the button until the printer starts printing.)
   The printer starts printing instructions (Auto Re-Connect iOS).
8. <Enabling> Press the Push button.
   <Disabling> Press the Push button 2 times.
9. Press the Push button again. (Keep pressing the button until the printer starts printing the following message.)
   "Please release the Push button."

The printer restarts.

USB port for Printer Setting

The USB terminal can be used only for the following purposes.

- Set the internal parameters of the interface board.
- Update the internal firmware of the interface board.

Caution

Do not connect the USB cable when normal operating.

Need the USB cable that has mini USB type-B connector when setting the printer. It is not included. Please prepare it beforehand.

Check operation LED

You can confirm the following states by the Check operation LED.

- Wireless communication state
- Error state

Default setting

Default setting of the printer is as follows.

Device name:	TM-T88V_xxxxxx*
Passkey:	0000 (four zeros)
Automatically reestablish the connection:	Disabling

* "xxxxxx" is the last six digits of the product serial number.