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How to connect an Epson TM Series Printer with a USB Adapter

Printers

TM-U220

TM-U200

TM-U295

TM-U375

TM-T88III

TM-U88IV

TM-T88V

TM-U675

TM-U590

TM-H6000

Power Supplies

Interface Cards

Cables

Ribbons

Paper

Overview
Installing Adapter
Checking Adapter Settings
Configuring Printer
Installing Driver
Troubleshooting

Overview
A USB connection is one of the newer connection types of connection between the computer and the printer. A USB connection involves a pair of wires (transmit and receiver) along with the status and handshaking wires. The data cable connects the USB port on the computer to the USB adapter card on the printer.

Required Components

- Epson POS Printer with Connect-It USB adapter (UB-U02, UB-U03 or equivalent)
- Windows computer with USB port

Epson Printers Covered

- TM-T88II
- TM-T88III
- TM-T88IV
- TM-T88V
- TM-U220
- TM-U230
- TM-U590
- TM-U675
- TM-H6000III

Installing and Setting the Connect-It USB Adapter
Install the Connect-It USB adapter into the Epson TM series printer

The adapter can replace the existing adapter and is held in place by 2 screws. (Your adapter may not have the network style DM port jack)

Attaching the Cable

Use a standard USB 2.0 printer cable to connect the printer. One end has a male USB type B connector, the other end has a male USB type A plug that goes into the computer.

USB (connector on printer end)

USB cards use USB Type B Cables

Getting Initial Printer and Connect-it Adapter Settings using Self-Test

Get the initial settings of the USB adapter. Run the printer self test (hold down the feed button while turning on the printer). The printer will print a list of initial settings including interface type, ID, and buffer capacity.

You can change the interface settings using the DIP switches on the bottom of the printer. See the support page for the model of printer you are using.

Installing the Device Drivers for Windows

If provided with a driver disk from Beagle Hardware or Epson, you can install the Epson printer drivers from the CD. Alternatively, you can download the files from Epson.

To obtain the latest Device Drivers from Epson:

1. Download and Install Epson's drivers available from www.epsonexpert.com

2. You **WILL be REQUIRED** to log in to access these drivers.

3. If you do not have a log in, you will be required to register for this service (this is free and takes less than 10 minutes). This is a process controlled by Epson not Beagle Hardware.

4. Click on **TECHNICAL RESOURCES**

5. Select the printer model under the menu

6. Click the **download drivers on the printer page**

7. **For detailed installation instructions, click here.**

Configuring the Computer

Configuring the USB printer is often the simplest of the Connect-It type adapters - it's Plug and Play. After installing the drivers, connecting the cable and turning on the printer, Windows should see the device and install it automatically.
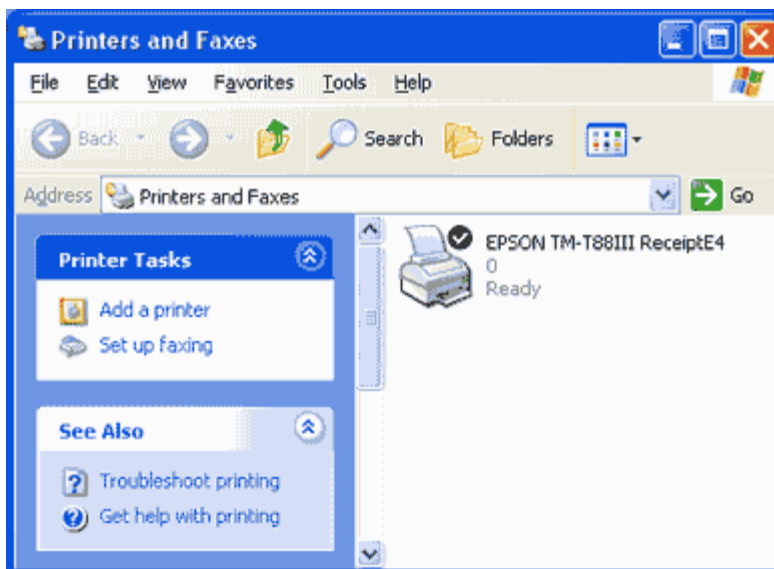*Note: Windows Update does not have drivers for Epson POS printers.*

If there are problems you can verify the USB port you are using by checking the port in the Device Manager under the System in the Windows Control Panel.
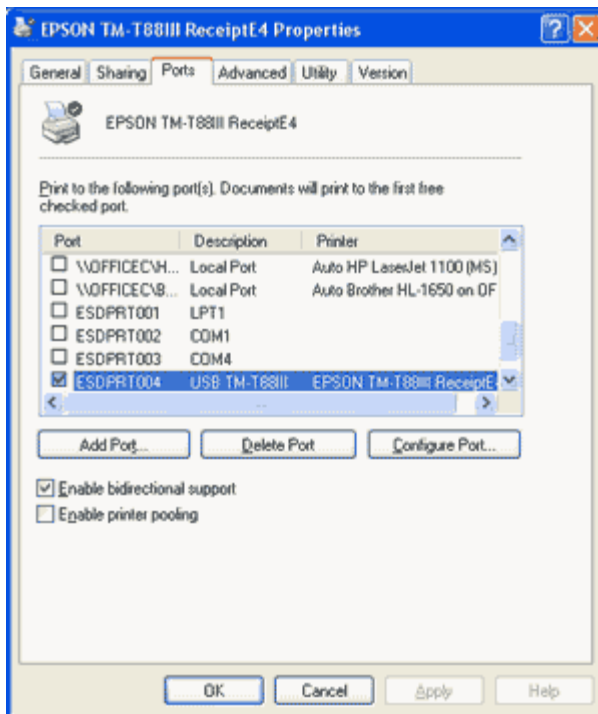

Installing the Printer Driver in Windows

After installing the printer drivers, the printer should be visible in the printers folder of the Windows Control Panel.
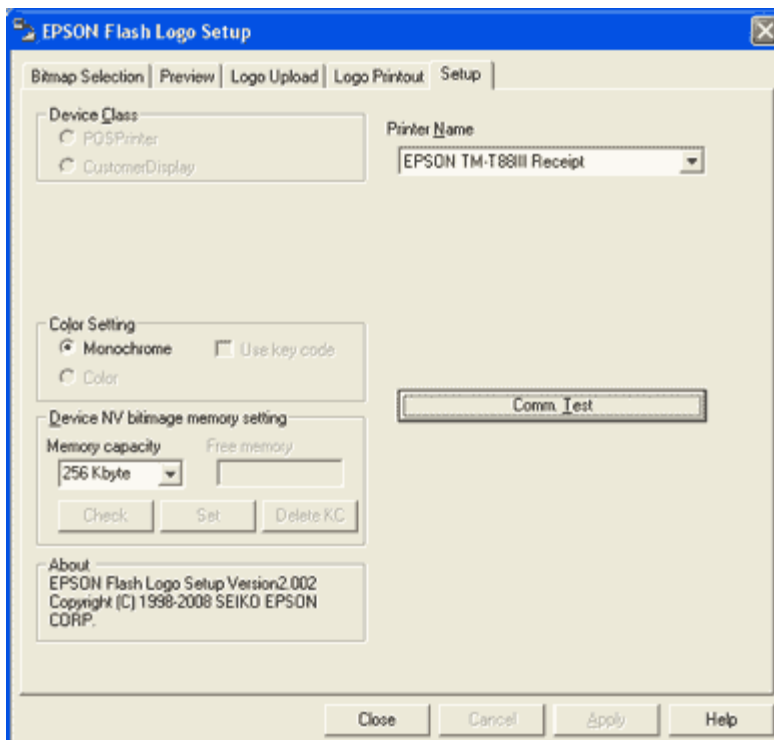
Configuring the Printer in Windows

You normally do not need to make any changes in the printer settings to get it to work with the USB adapter. You must use an Epson Port managed type port with the USB interface. The USB interface supports bidirectional communication.

EPSON TM-T88III ReceiptE4 Properties

General | Sharing | Ports | Advanced | Utility | Version

EPSON TM-T88III ReceiptE4

Print to the following port(s). Documents will print to the first free checked port.

Port	Description	Printer
☐ \\OFFICEC\H...	Local Port	Auto HP LaserJet 1100 (MS)
☐ \\OFFICEC\B...	Local Port	Auto Brother HL-1650 on OF
☐ ESDPRT001	LPT1	
☐ ESDPRT002	COM1	
☐ ESDPRT003	COM4	
☑ ESDPRT004	USB TM-T88III	EPSON TM-T88III ReceiptE

[Add Port...] [Delete Port] [Configure Port...]

☑ Enable bidirectional support
☐ Enable printer pooling

[OK] [Cancel] [Apply] [Help]

Configuration Utilities to Run on the Computer

Epson Flash Utility
The Epson Flash Utility is normally installed with the Epson printer drives. It is used to upload bitmaps to Epson printers, but has a simple communication test which will check for basic connectivity between the computer and the printer. Pressing the "Comm. Test" button on the Setup tab of the utility will give a go/no-go indication of basic connectivity.

EPSON Flash Logo Setup

Bitmap Selection | Preview | Logo Upload | Logo Printout | Setup

Device Class
○ POSPrinter
○ CustomerDisplay

Printer Name
EPSON TM-T88III Receipt

Color Setting
● Monochrome   ☐ Use key code
○ Color

[Comm. Test]

Device NV bitimage memory setting
Memory capacity   Free memory
256 Kbyte
[Check] [Set] [Delete KC]

About
EPSON Flash Logo Setup Version2.002
Copyright (C) 1998-2008 SEIKO EPSON CORP.

[Close] [Cancel] [Apply] [Help]

Running the TMNet configuration utility on the Computer
The TMNet network utility is not supported to work with the USB interface.

Testing the Printer

You should now be ready to test the printer by printing some text or by pressing the "Print Test Page" button in the General Tab of the printer properties.

Troubleshooting

Connectivity Problems, never printed

- The Epson printer driver has not been installed for the parallel adapter and printer in use. Check the cable is plugged into a USB port on the computer side.

- The printer or the interface card is defective. Confirm printer operation with self-test. Confirm interface card by swapping with another interface card or printer.

Prints Garbage

- The interface settings are not the same on both the printer and computer. Run the printer self test to show the current settings on the printer. Check the computer side to see that interface is parallel. Settings can be changed on the printer using the DIP switches.

- The printer selected in the software is not correct or the software doesn't support the printer in use.

No longer prints

- The TM printer is turned off. Turn on the TM printer. Confirm the connection of the power supply unit or the voltage of the commercial power.

- The TM printer is offline. Turn the TM printer online.

- The ERROR LED of the TM printer is on or flashing. Remove the error cause.

- The printing port of the driver on the computer side is not specified correctly. Confirm the driver setting on the computer side.

- The printer is not online in Windows. Check the status of the printer in the Windows Control Panel, the printer should show status as ready. *Tip:* try stopping and restarting the **Print Spooler** from the Services applet of the Control Panel.

Printing is slow

- There are problems with the computer. Printing speed may go down due to problems with the network system or applications. Run the printer self test to confirm the printer is capable of printing at its normal speed.

More Information

Epson Printers   Epson Interfaces   Support Information

Need some help? Try our Epson printer test utility