

This document is a guide to change the Wireless LAN/Bluetooth settings for TM-P80 in accordance with the user's system. For details about the printer handling, see "TM-P80 User's Manual" included in the package.

Preparation

Load the battery and roll paper according to "TM-P80 User's Manual".
For the Wi-Fi model, see "Setting Wireless LAN".
For the Bluetooth model, see "Setting Bluetooth" (reverse side).

1 Setting Wireless LAN

The default settings of this product are as shown below. You need to change the settings in accordance with your environment before using the product. This page describes the setting procedures using the settings shown below as an example.

Default Settings

<Wireless Settings>

- SSID : EpsonNet
- Network Mode : Infrastructure
- Security Level : WPA-PSK(AES)
- Security key : EpsonNet

<TCP/IP Settings>

- IP Address : 192.168.192.168
- Subnet Mask : 255.255.255.0
- Default Gateway: 0.0.0.0

Setting Example

<Wireless Settings>

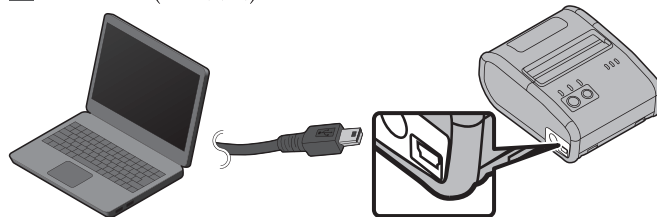
- SSID : EpsonSSID
- Network Mode : Infrastructure
- Security Level : WPA-PSK(AES)
- Security key : Epson0123

<TCP/IP Settings>

- IP Address : 192.168.10.10
- Subnet Mask : 255.255.255.0
- Default Gateway: 192.168.10.2

2 Items to Prepare

- 1 Setup computer used for setting (Windows computer)
- 2 USB cable (Included)



- 3 Obtain the information required for connection to a Wireless LAN environment from the system administrator.

- SSID
- Network mode
- Security level
- Security key
- Channel
- IP address for TM-P80
- Subnet Mask
- Default Gateway

3 Downloading and Installing Software

Downloading EpsonNet Config

Download the following software and install it in the setup computer.

- EpsonNet Config Ver.4.1.1 or later

Download Site

For customers in North America, go to the following web site:
<http://www.epsonexpert.com/>

For customers in other countries, go to the following web site:
<https://download.epson-biz.com/?service=pos>

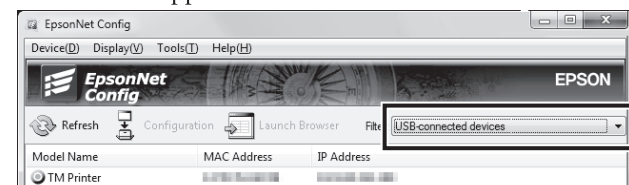
Installing EpsonNet Config

Double-click the downloaded installer to start and install it by following the instructions displayed on the screen.

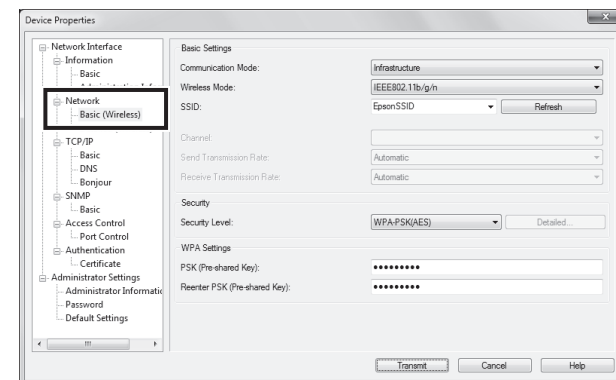
4 Setting Printer

To facilitate wireless setting, use USB connection. In this status, wireless communication is unavailable.
Set Wireless LAN in the printer using the steps below.

- 1 Connect the printer and the setup computer with a USB cable and turn on the printer.
- 2 Start EpsonNet Config. Wait a while until "TM Printer" appears.
Notes:
If the printer did not show up, click "refresh" until the printer is shown up.
If "TM Printer" does not appear after a few minutes, see Troubleshooting.
Other printers may be displayed if connected to the computer via a network.
- 3 From the "Filter" pull-down list, select [USB Connection].
"TM Printer" appears.



- 4 Select a printer and click [Configuration].
The "Device Properties" window appears.
- 5 Select [Network Interface] - [Network] - [Basic(Wireless)]. Set up the network based on the information obtained from the system administrator.

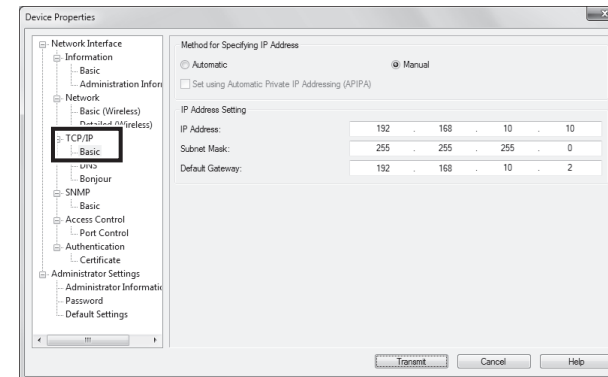


- Communication Mode
- Wireless Mode
- SSID
- Channel
- Security Level
- PSK (Pre-shared Key)

Notes:

Configure EpsonNet Config with the same settings as the settings for the network access point settings.
For details about the wireless LAN security, see "TM-P80 Technical Reference Guide" downloaded from our Web site.

- 6 Select [Network Interface] - [TCP/IP] - [Basic].
Specify the printer IP address and other settings based on the information obtained from the system administrator.



- Method for Specifying IP Address
- Subnet Mask
- IP Address
- Default Gateway

- 7 Then, click [Transmit]. The settings are applied to the printer and the printer automatically restarts.

Note:

In this status, only the printer is set up and no communication via network is unavailable.

- 8 Disconnect the USB cable.

- 9 Turn off the printer, and then turn it back on. The printer is in the network mode and communication becomes available with the specified setting.

Note:

When you need to import a certificate, temporarily enable wireless network connection and import the certificate using "EpsonNet Config (Web version)", a tool installed in the printer. For details, see "TM-P80 Technical Reference Guide" downloaded from our Web site.

5 Checking Printer Wireless Settings

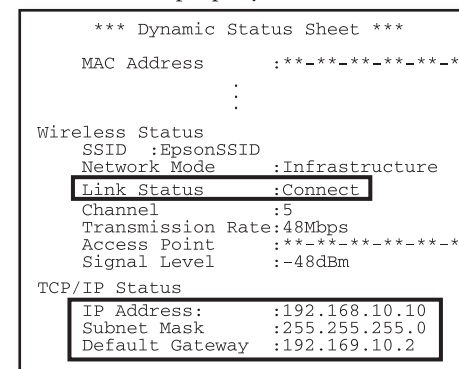
The following two methods are available:

Caution:

Do not run this mode while communicating with the wireless LAN interface. Otherwise, printing might not be performed normally.

Checking with the printer status sheet

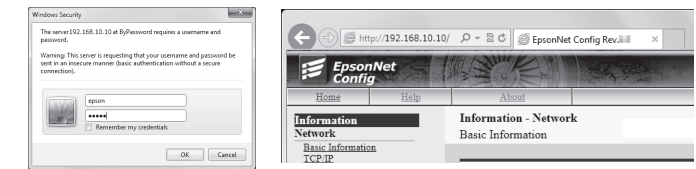
- 1 Confirm that no USB cable is connected, and then turn on the printer.
- 2 Open the roll paper cover, and load roll paper. Hold down the Feed button. The buzzer is activated.
- 3 Close the roll paper cover. Dynamic Status Sheet is printed.
- 4 Confirm that "Link Status" value is "Connect" and that "TCP/IP Status" is properly set.



Checking from a network computer

- 1 From a computer on the same network connected to the printer, start a Web browser and enter the printer IP address in the address bar.

- 2 If the printer is properly connected to the network, the window to enter a user name and password appears. Enter a user name and password, and EpsonNet Config starts up. (Default Settings; User Name: epson; Password: epson)



6 Troubleshooting

No TM printer is displayed on EpsonNet Config.

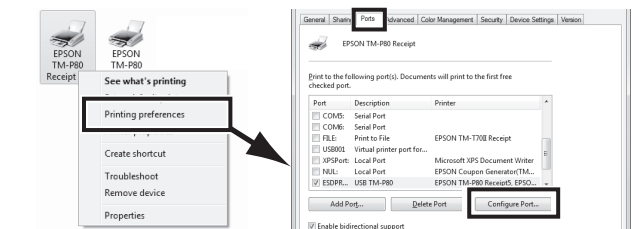
Check the following:

- The printer is off.
Turn on the printer.
Confirm that the battery is properly loaded in the printer.
Check the remaining battery life.
- The computer and printer are not properly connected via USB.
Use the USB cable supplied with the product.
Check the USB connection between the computer and printer.
If the computer and printer are connected via a USB hub, connect them directly.
- The computer does not recognize the printer.
Confirm that the "EPSON USB Controller for TM-/BA/EU Printers" pop-up window appears at the bottom right of the screen.
- The printer is in the self-test mode.
Press the Feed button to finish printing, and the self-test mode terminates.
- The version of EpsonNet Config is earlier than 4.1.1.
Download EpsonNet Config ver.4.1.1 or later and install it in the computer.
- EPSON's APD (Advanced Printer Driver) that is already installed and is using Windows print spooler.
Stop printer status monitoring for all APD print queues. Release the print spooler with the steps below.

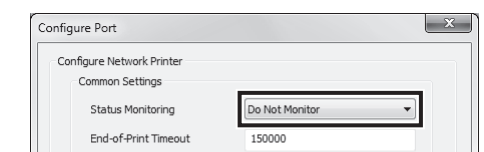
Caution:

When the printer setup is finished, restore the settings for printer status monitoring to the original settings.

- 1 Click [Start] - [Device and Printers] to display the device and printers.
- 2 Right-click a print queue and click [Printing Preferences].
- 3 The printer properties are displayed. Select the [Port] tab and click [Configure Port...].



- 4 The "Configure Port" window appears. From the "Status Monitoring" pull-down list, select [Do Not Monitor] and click [OK].



- 5 The screen returns to the printer properties window. Click [Close].

This page describes how to connect a computer and a printer via Bluetooth. For the Wi-Fi model, see "Setting Wireless LAN" (reverse side).

1 Setting Bluetooth

Bluetooth printer must be paired with a computer. The printers can be paired using a Windows function, but using TM Bluetooth Connector makes pairing easier. Multiple printers can be paired with a computer. Different setup procedures are used depending on the printing method. See the applicable section.

APD (Advanced Printer Driver):

TM Bluetooth Connector is launched during installation of APD. Then, start the pairing process. When installation is finished, pairing is completed and printing from APD is enabled. To start pairing after installation of APD, start the pairing process later using TM Bluetooth Connector.

UPOS (OPOS ADK, OPOS for .NET, JavaPOS):

After registering a printer using SetupPOS, use TM Bluetooth Connector for pairing. When setting is completed, printing from UPOS is enabled.

ESC/POS Command:

TM Bluetooth Connector is used for pairing. Specify the virtual COM port created here in the application.

2 Downloading Software

Downloading Software

Download the following software:

- TM Bluetooth Connector
- Printer Driver (APD, UPOS)

Note:

Choose the Printer Driver (APD, UPOS) in accordance with the user's environment.

Download Site:

For customers in North America, go to the following web site:
<http://www.epsonexpert.com/>

For customers in other countries, go to the following web site:
<https://download.epson-biz.com/?service=pos>

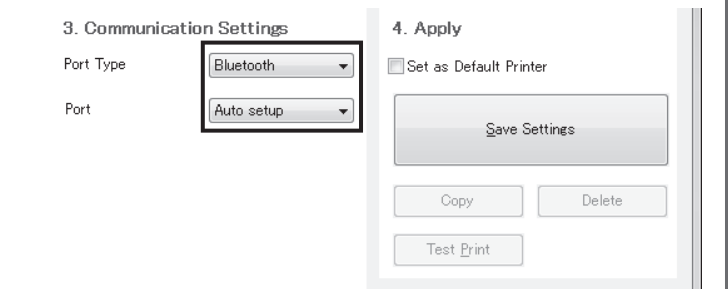
3 Settings for Using APD

APD launches TM Bluetooth Connector during installation. Then, start the pairing process.

1 Execute the APD installer.

2 Install APD by following the instructions displayed on the screen.

3 The "Register, Change and Delete EPSON TM printer" window appears. From the "Port Type" pull-down list, select [Bluetooth].



4 From the "Port" pull-down list, select [Auto setup] and click [Save Settings].

5 When the message "Start pairing now?" appears, click [Y].

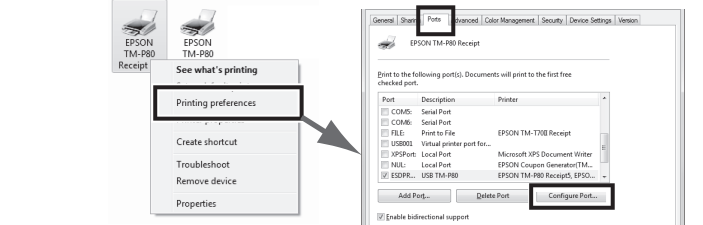
6 When TM Bluetooth Connector is launched, start the pairing process. (For details, see "5. Using TM Bluetooth Connector for Pairing".)

7 Exit TM Bluetooth Connector, and the "Register, Change and Delete EPSON TM printer" window of APD appears. Confirm that "Port" displays "ESDPRTxxx".

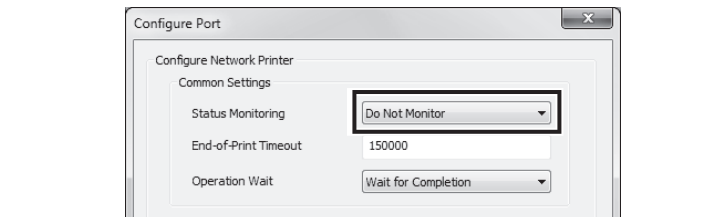
8 Click [Finish]. Installation is completed. Note:

For a system with a printer shared by multiple computers, set the status monitoring to [Do Not Monitor] in the printer properties in APD. Follow the steps below.

1. Click [Start] - [Device and Printers] to display the device and printers.
2. Right-click a print queue and click [Printing Preferences].
3. The printer properties are displayed. Select the [Port] tab and click [Configure Port...].



4. The "Configure Port" window appears. From the "Status Monitoring" pull-down list, select [Do Not Monitor] and click [OK].



5. The screen returns to the printer properties window. Click [Close].

4 Settings for Using UPOS

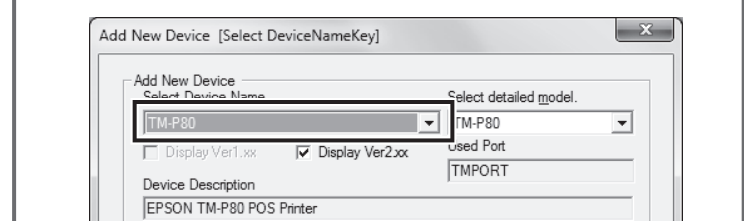
After installing UPOS, register a printer using SetupPOS. Then, pair the printer using TM Bluetooth Connector.

- 1 Install UPOS in accordance with the user's environment.
 - Installing OPOS ADK
 1. Double-click Setup.exe to start the installer.
 2. Perform installation by following the instructions displayed on the screen.
 3. During installation, the "Port selection" window appears. Select the [Bluetooth port] checkbox and click [Next].
 - Installing OPOS ADK for .NET
 1. Double-click Setup.exe to start the installer.
 2. Perform installation by following the instructions displayed on the screen.
 - Installing JavaPOS ADK
 1. Double-click EPSON_JavaPOS_ADK_XXXXX.exe to start the installer.
 2. Perform installation by following the instructions displayed on the screen.

2 Add a printer using SetupPOS. Follow the steps below. (The following explanation takes OPOS ADK as an example.)

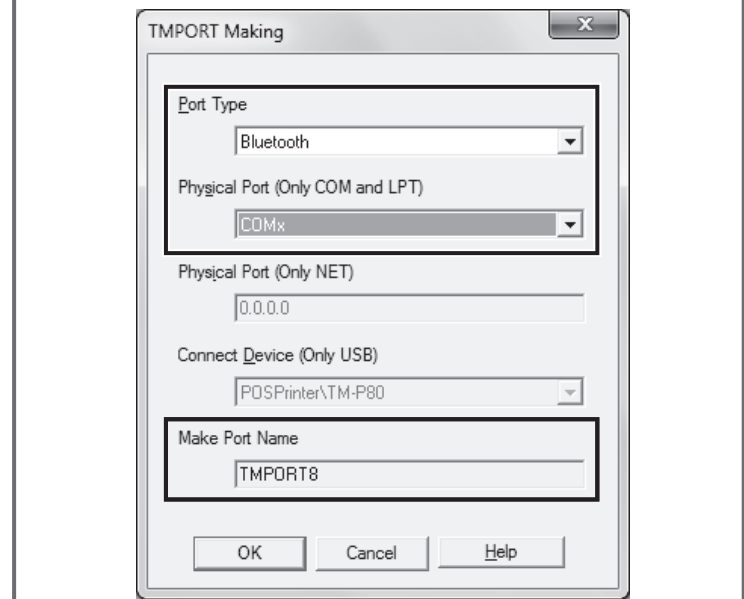
1. Right-click "POSPrinter" at the left side of the window and select [Add New Device...]. The "Add New Device [Select DeviceNameKey]" window appears.

2. From the "Select Device Name" pull-down list, select the printer type to be used. Click [Next].



3. [Click [Make Port]].

4. The "TMPORT Making" window appears. Select [Bluetooth] from "Port Type" and [COMx] from "Physical Port (Only COM and LPT)".



The port name to be newly added is displayed in "Make Port Name". Remember this port name.

Note:

The created TMPORT number corresponds to the "ESDPRTxxx" number displayed in the Assign Port dialog box in TM Bluetooth Connector. Selecting [ESDPRTxxx (UPOS for TM-P80)] displayed here enables pairing.

5. Click [OK]. The screen returns to the "Add New Device [Communication Settings]" window.
6. Click [Finish]. The printer is added.

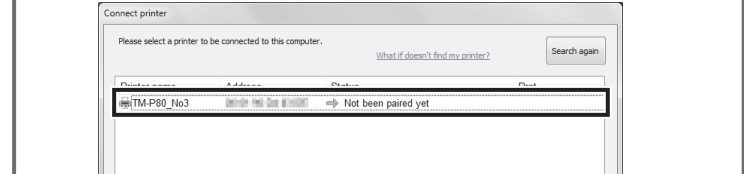
3 Start the pairing process using TM Bluetooth Connector. (For details, see "5. Using TM Bluetooth Connector for Pairing".)

This completes UPOS setup and pairing.

5 Using TM Bluetooth Connector for Pairing

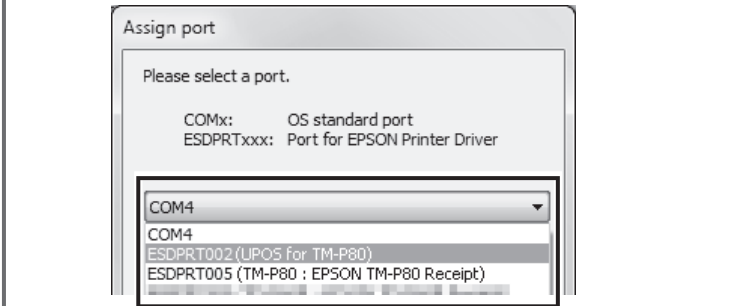
This section describes how to use TM Bluetooth Connector for pairing.

- 1 Turn on the printer.
- 2 Select [Search all printers around this computer] and click [Search].
- 3 Select the printer to be paired (➡ Not been paired yet) and click [Connect].



4 If the window to enter a passkey appears, enter a passkey and click [OK].

5 The "Assign port" window appears. Select the port to be used from the pull-down list and click [OK].



- If started from the APD installer, port setting automatically starts without displaying the "Assign port" window.
- APD print queue : ESDPRTxxx(TM-P80: Queue name)
- UPOS : ESDPRTxxx (UPOS for TM-P80)
- ESC/POS command : Displayed virtual COM port (e.g. COM4)

6 The "Connection complete" window appears. Click [Test Buzzer] or [Test Printing] to check operation. The printer buzzer sounds or printing starts.

7 Click [Back to Main] to return to the main window.

8 Click the "x" button of TM Bluetooth Connector to exit.

6 Troubleshooting

- If [Search] is clicked on TM Bluetooth Connector, "ERROR" is displayed. Check whether:
 - The Bluetooth adapter is installed to the computer.
 - Bluetooth is ON in the Windows settings.
- The device is not displayed on TM Bluetooth Connector. Or, TM Bluetooth Connector Status is "✖" after pairing. Check whether:
 - The printer is not turned on. Turn on the printer. Confirm that the battery is properly loaded in the printer.
 - The printer power source is 10 m or less away from the computer power source.
 - Confirm that there is no other wireless device, such as a microwave oven and cordless telephone, that can interfere with the Bluetooth printer.
 - If the printer and the computer are placed in different rooms separated by a wall, move the printer and/or the computer in the same room.
 - If the Bluetooth Connector search time is short, it is difficult to detect printers. Change the search time according to Bluetooth Connector User's Manual.
 - While a computer and printer are communicating, the printer cannot be detected by other computers. Confirm that the printer to be detected is not communicating with any computer.
- After pairing, TM Bluetooth Connector Status is "➡ Not been paired yet".
 - The printer is not paired. Perform pairing again.

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