

Advanced Printer Driver Ver.5

Install Manual

Overview

An overview of the APD and the description of operating environment.

Installation

Descriptions from installation of the APD to making prints with the TM printer.

Silent Installation

Descriptions of the silent install.



Cautions

- No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Seiko Epson Corporation.
- The contents of this document are subject to change without notice. Please contact us for the latest information.
- While every precaution has taken in the preparation of this document, Seiko Epson Corporation assumes no responsibility for errors or omissions.
- Neither is any liability assumed for damages resulting from the use of the information contained herein.
- Neither Seiko Epson Corporation nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by the purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with Seiko Epson Corporation's operating and maintenance instructions.
- Seiko Epson Corporation shall not be liable against any damages or problems arising from the use of any options or any consumable products other than those designated as Original EPSON Products or EPSON Approved Products by Seiko Epson Corporation.

Trademarks

EPSON® and ESC/POS® are registered trademarks of Seiko Epson Corporation in the U.S. and other countries.

MS-DOS®, Microsoft®, Win32®, Windows®, Windows Vista®, Windows Server®, Visual Studio®, Visual Basic®, Visual C++®, and Visual C#® are either registered trademarks or trademarks of Microsoft Corporation in the United States and other countries.

Bluetooth® is a registered trademark of the Bluetooth SIG, Inc.

ESC/POS® Command System



EPSON has been taking industry's initiatives with its own POS printer command system (ESC/POS). ESC/POS has a large number of commands including patented ones. Its high scalability enables users to build versatile POS systems. The system is compatible with all types of EPSON POS printers (excluding the TM-C100) and displays. Moreover, its flexibility makes it easy to upgrade the future. The functionality and the user-friendliness is valued around the world.

Copyright © 2013 Seiko Epson Corporation. All rights reserved.

For Safety

Key to Symbols

The symbols in this manual are identified by their level of importance, as defined below. Read the following carefully before handling the product.

	Provides information that must be observed to avoid damage to your equipment or a malfunction.
	Provides important information and useful tips.

Restriction of Use

When this product is used for applications requiring high reliability/safety such as transportation devices related to aviation, rail, marine, automotive etc.; disaster prevention devices; various safety devices etc; or functional/precision devices etc, you should use this product only after giving consideration to including fail-safes and redundancies into your design to maintain safety and total system reliability. Because this product was not intended for use in applications requiring extremely high reliability/safety such as aerospace equipment, main communication equipment, nuclear power control equipment, or medical equipment related to direct medical care etc, please make your own judgment on this product's suitability after a full evaluation.

About this Manual

Aim of the Manual

This manual is aimed to provide the necessary information to install the EPSON TM printer driver and Customer display (Advanced Printer Driver).

Manual Content

The manual is made up of the following sections:

Chapter 1	Overview
Chapter 2	Installation
Chapter 3	Silent Installation

Contents

■ For Safety	3
Key to Symbols	3
■ Restriction of Use	3
■ About this Manual	4
Aim of the Manual.....	4
Manual Content	4
■ Contents	5

Overview 7

■ Introduction	7
Package organization.....	7
Manual organization	8
■ Operating Environment	9
Computer	9
OS	9
Interface	10
■ Restrictions	11
■ Manuals/Sample Programs	12
Installation.....	12
Uninstallation	13

Installation 15

■ Installation	15
■ Uninstallation.....	21
■ Maintenance	22
Adding the printer	22
Uninstalling the printer.....	25
Changing the port settings of the printer	26
Setting IP address to the printer	29
■ Shared Printer Setting	32
Installation.....	32
Uninstallation	36
■ Coexisting with APD4's customer display	39
Pass through connection setting	39

Silent Installation41

■ Overview..... 41

Flow of the Silent Installation42

■ File Creation..... 43

■ Executing the Silent Installation 45

How to execute the Silent Installation.....45

Checking the Installation Result46

Command Options47

Overview

Introduction

Advanced Printer Driver Ver.5(hereafter called APD5) is a Windows printer driver for EPSON TM printers. APD can monitor the status of the TM printer with Status API for use of POS embedded. The APD environment that is already set up can be restored (silent install) on another computer.



Screens in Windows 7 are used for the descriptions in this manual.
When using different OS, please adjust them accordingly.

Package organization

The APD5 consists of the following packages.

APD5 installer (APD_5xx_Txx.exe)

A package to install the APD5. Prepared per different models.

Manual/Sample installer (APD5_MAN_Txx_EN_x.exe)

A package to install APD5 manuals (PDF) and sample programs using the APD5.



Manual organization

Install Manual

It is this manual. Installation/uninstallation of APD5, addition/deletion of printer, port changing and silent installation in which APD5 is installed automatically are described.

TM Printer Manual

Descriptions of how to use the APD and its functions.

Status API Manual

Descriptions of how to get the status of the TM printer from the user application by using the Status API.

Printer Specification

Descriptions of APD5 specifications (printer driver, Status API). Prepared per different model.

Operating Environment

Computer

Any PC/AT compatible machine running any of the following Windows systems.

OS

- ☐ Microsoft Windows 8 (32bit/64bit)
- ☐ Microsoft Windows 7 SP1 (32bit/64bit)
- ☐ Microsoft Windows Vista SP2 (32bit/64bit)
- ☐ Microsoft Windows XP SP3 (32bit)
- ☐ Microsoft Windows Server 2003 R2 SP2 (32bit/64bit)
- ☐ Microsoft Windows Server 2008 R2 SP1
- ☐ Microsoft Windows Server 2008 SP2 (32bit/64bit)
- ☐ Microsoft Windows Server 2012 (64bit)
- ☐ Microsoft Windows Embedded Standard 7 (32bit/64bit)
- ☐ Microsoft Windows Embedded POSReady 7 (32bit/64bit)
- ☐ Microsoft Windows Embedded POSReady 2009 (32bit)
- ☐ Microsoft Windows Embedded for Point of Service (32bit)
- ☐ Microsoft Windows Embedded Standard 2009 (32bit)
- ☐ Microsoft Windows Embedded Enterprise (32bit/64bit)
- ☐ Microsoft Windows Embedded Standard (32bit) / Microsoft Windows XP Embedded SP2 (32bit)

The following components are required.

- Local Printing
- OLE Dialog Interfaces
- Print Spooler
- Volume Shadow Copy Service
- Primitive: Dbghelp
- Task Scheduler
- Communications Port
- Primitive:Winhlp32
- Windows Installer Service
- User Interface Core
- User Account
- Seiko Professional ColorPoint 8BPP
- Core Unidrv Support
- Epson ActionLaser 1400



- OSs other than those listed above are not supported.
- The Modern UI of Windows 8 is not supported.

Interface

The following interfaces are supported with the APD5.

Interface	Descriptions
Parallel	-
Serial	-
USB	USB 2.0 compliant (Full-Speed 12 Mbps operation. High-Speed operation is not possible.)
Ethernet	10/100 Base-T
Wireless LAN	<ul style="list-style-type: none"> • UB-R02/03: IEEE802.11b • UB-R04: Wi-Fi IEEE802.11a/b/g/n 22.4GHz/5GHz dual band support EAP-TLS support (To configure the settings of IP Address, see the UB-R02/R03/R04 Technical Reference Guide.)
Bluetooth	-



Customer display cannot be controlled by APD5.



For information on the interfaces available on your TM printers, ask your sales representative.

Restrictions

- ❑ APD5 cannot be installed on a computer with APD4.53 or an earlier version already installed. You must first update to APD4.54 or later, and then install APD5.
- ❑ To install APD4 on a computer with APD5 already installed, use APD4.54 or a later version.
- ❑ If APD4.53 or an earlier version is installed after APD5 has been installed, printing will not function properly. In that case, uninstall and then reinstall APD5.
- ❑ When using the printer driver for EPSON Terminal Printers (laser printer, ink-jet printer and others) or EPSON printer window together with the APD, installation and uninstallation must be performed in the following order:

[Installation]

1. EPSON Terminal Printer driver
2. APD

[Uninstallation]

1. APD
2. EPSON Terminal Printer driver

If you want to overwrite the EPSON Terminal Printer driver after the APD is installed, uninstall the APD first and then overwrite the EPSON Terminal Printer driver.

- ❑ For a USB connection, the printer driver can be installed by Plug and Play after installing the APD; however, the printer driver cannot be added when the TM printer is offline (cover open, paper out, and so on.) When the printer recovers from the offline status, it will be added.
- ❑ The maximum number of printers that can be connected simultaneously through a USB connection is 8.
- ❑ When a Parallel interface TM printer is connected to Windows XP, a Plug and Play request window pops up and "EPSON TM-P2.01" is added in Other devices of the Device manager. Do not perform [Uninstall] or [Update Driver Software] for this device. When a Parallel interface TM printer is connected to the computer prior to the driver installation, the computer detects "EPSON TM-P2.01", but you should not uninstall or update, just click [Cancel]. (It is added to Other device in the Device manager, and deleted when the driver is installed.)

When you connect a TM printer with parallel interface before installing the driver, "EPSON-P2.01" is detected. In such case, just click "Cancel" and not select "Uninstall" or "Update Driver Software". (It is added to "Other device" in the Device manager, however, automatically deleted after the driver is installed.)

Manuals/Sample Programs

Manuals and sample programs are provided in a package separate from the APD5.

Installation

Follow the procedures below to install the manuals and sample programs.



Install manuals/sample programs after installing the APD5.

- 1 Double click the [Manual/Sample Installer] icon (APD5_MAN_Txx_EN_x.exe) to start the installation.
- 2 The Install Shield Wizard screen appears. Click the [Next] button.
- 3 The "License Agreement" screen appears. Read the content and select "I accept the terms of the license agreement." Then click the [Next] button.
- 4 The "Ready to install the Program" screen appears. Click the [Install] button. The installation of manuals or sample programs starts.
- 5 The "Install Shield Wizard Complete" screen appears. Click the [Finish] button. Installation ends.
- 6 Select from [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5] and open [Manual]/[Sample Program]. The screen to select manuals and sample programs appears.

Uninstallation

Follow the procedures below to uninstall manuals and sample programs.



Uninstall manuals/sample programs before uninstalling the APD5.

- 1 Select from [Start]-[Control Panel] and open [Uninstall a program].
- 2 The "Program and Features" screen appears. Click the [EPSON APD5 TM-Txx Sample&Manual (English)] button.
- 3 The uninstallation confirmation screen appears. Click the [Yes] button. Manuals and sample programs are uninstalled.
- 4 Click the [Finish] button. Installation ends.



Installation

In this chapter, Installation(p.15) /Uninstallation (p.22) and maintenance after installation (p.23) are explained.

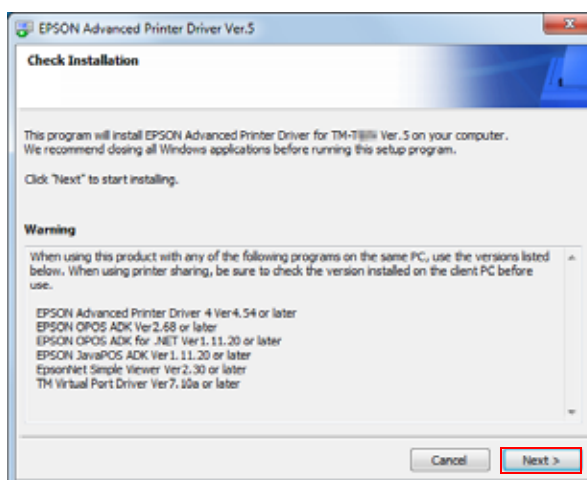
Installation

Follow the procedure below.



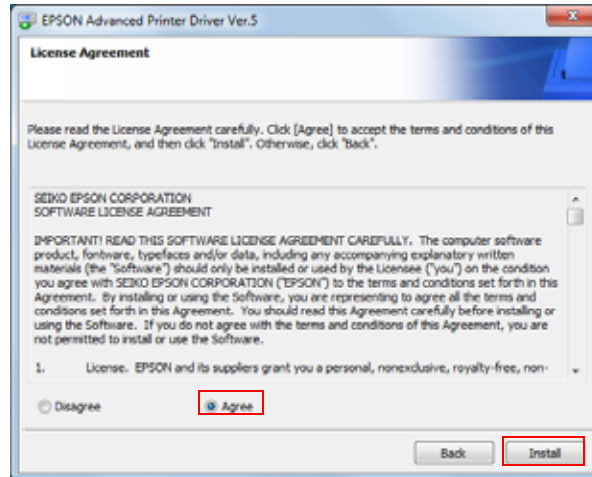
- Install with Administrator privileges.
- Do not connect the TM printer, until installation of the APD completes.
- Close all running applications before the installation.

- 1 Double click the APD5 installer and start the installation.
- 2 The "Check Install" screen appears. Check the [Warning].
Check the computer environment and click [Next] to continue the installation.

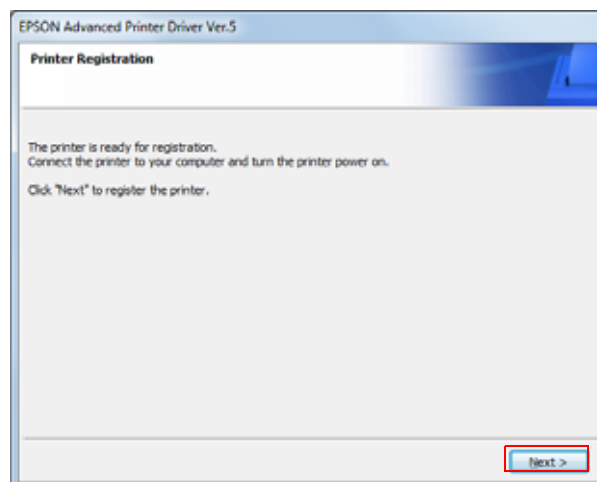


In the [Warning], the versions of Epson driver/tool that can coexist with the APD5 are listed.

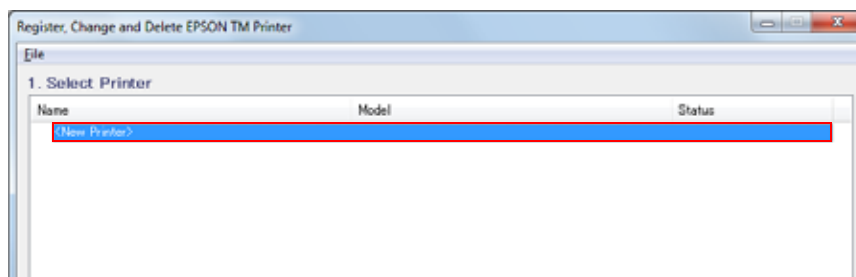
- 3 The "License Agreement" screen is displayed. After checking the contents and selecting "Agree", click [Install].
Installation of APD begins.



- 4 The "Printer Registration" screen appears.
Here, connect the printer to the computer and turn the printer's power on. Click [Next].



- 5 The "Register, Change and Delete EPSON TM Printer" screen is displayed.
From [1. Select Printer], select "<New Printer>".



6 Set the followings from [2. Printer].

The screenshot shows a three-pane window for printer installation. The left pane, titled '2. Printer', contains a 'Model' dropdown menu set to 'EPSON TM-Receipt5' and a 'Name' text field containing 'EPSON TM-Receipt'. The 'Name' field is highlighted with a red rectangular box. The middle pane, titled '3. Communication Settings', shows 'Port Type' as 'USB' and 'Port' as 'Auto setup'. The right pane, titled '4. Apply', has a checked checkbox 'Set as Default Printer', a 'Save Settings' button, and 'Copy' and 'Delete' buttons. Below these are 'Test Print' and 'Next' buttons. A '5. Complete' section is at the bottom right.

Item	Description
Name	Specify the printer driver name. Do not use Unicode/2-byte characters for the name.

- 7 Select a port to use (Serial/Parallel/USB/Ethernet) from [Port Type] under [3.Communication Settings]. Necessary settings are done according to the interface.

Port type		Description
Item		
Serial		Communicate with serial port. Set the following communication setting.
COM Port		Specify the number of serial port used for connecting the printer.
Baud Rate		Specify the baud rate.
Parity		Specify the parity.
Stop Bits		Specify the stop bits.
Flow Control		Specify the method of data flow between the computer and the printer.
Data Bits		Specify the data bits.
Parallel		Communicate with parallel port. Set the following communication setting.
LPT Port		Specify the number of parallel port used for connecting the printer. Usually, the port number is automatically displayed and no setting is required.
USB		Communicate with USB port. Set the following communication setting.
USB Port		Specify the USB port used for connecting the printer. Usually, no setting is required.
Ethernet		Communicate with Ethernet port. Set the following communication setting.
Ethernet Port		Specify the Ethernet port used for connecting the printer. Usually, no setting is required.
IP Address		Set the IP address of Ethernet port the TM printer is connected.
Set to Printer		Setup the IP address to the printer itself. Please refer to " Setting IP address to the printer " on page 30 for detail.
Bluetooth		Communicate with Bluetooth port. Set the following communication setting.
Port		Specify the Bluetooth port used for connecting the printer. Usually, no setting is required.



- The item appears in "Port type" varies depending on the printer model.
- For wireless LAN model printers, you need to use EPSONNetConfig to set the printer network after installing APD.



When Pass through connection is used by the driver of APD4 customer display, adjust the TM printer's communication settings with the communication settings of customer display driver set by APD4. Refer to ["Coexisting with APD4's customer display" on page 40](#) for detail.

- 8 Set the followings from [4. Apply] and click [Save Setting].

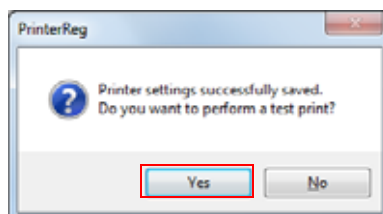
The screenshot shows a multi-step configuration window. Step 2 'Printer' has fields for Model (EPSON TM-Receipt5) and Name (EPSON TM-Receipt). Step 3 'Communication Settings' has Port Type set to USB and Port set to ESDPRT001. Step 4 'Apply' has a checkbox 'Set as Default Printer' which is checked, and a 'Save Settings' button highlighted with a red box. Below it are 'Copy', 'Delete', and 'Test Print' buttons. Step 5 'Complete' has a 'Next' button highlighted with a red box.

Item	Description
Set as Default Printer	Check when configuring the printer as that normally used from the Windows applications.



When you select [Bluetooth] for "Port type", clicking [Save Settings] will start TM Bluetooth Connector, allowing you to configure pairing. For how to use the connector in detail, see "Connector User's Manual".

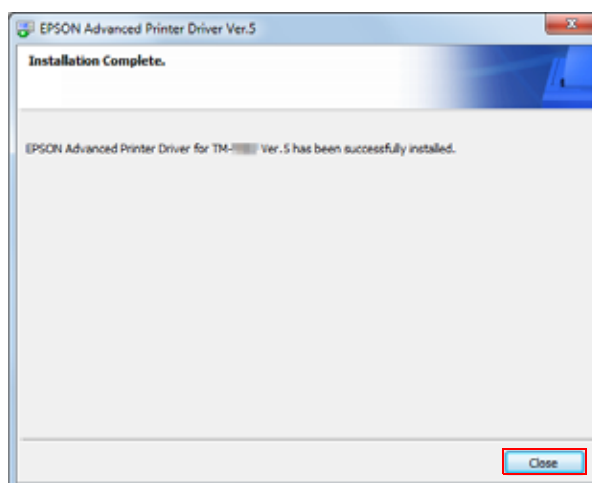
- 9 When the printer is registered, the screen comes up as shown below. Click [Yes]. Test page printing of Windows is carried out.



- 10 After confirming the test page printing of Windows, click [Next] under [5. Complete].



This screenshot is identical to the one in step 8, showing the printer configuration window. In this state, the 'Next' button in the '5. Complete' section is highlighted with a red box.

- 1 1 The "Installation Complete" screen appears.
Click [Close] to finish the installation.



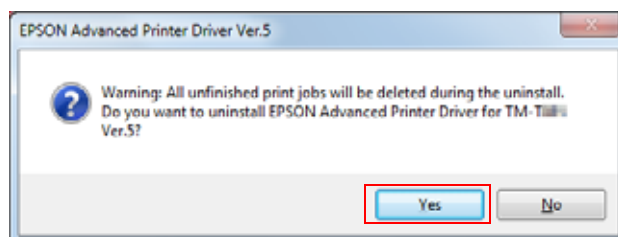
Uninstallation

Uninstall everything related to APD5 (port drivers, printer drivers, APD5 utility ,and so on).

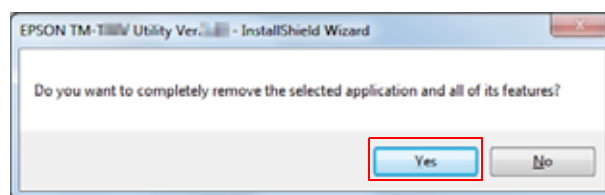
	Do not uninstall printer drivers directly from [Start] - [Control Panel] - [Hardware and Sound] - [Printers] . Even if the icon (the printer driver) disappeared from the screen, APD is not uninstalled. To uninstall the printer driver, see " Uninstalling the printer " on page 26.
	The APD has the silent uninstallation function that enables you to uninstall without displaying any screens. For more details, see " Command Options " on page 47.

Follow the procedure below to uninstall the APD5.

- 1 End all the other operations on the computer.
- 2 Select [Start]-[Control Panel]-[Uninstall a program]-[EPSON Advanced Printer Driver for TM-* Ver.5] and click [Uninstall].
- 3 The uninstallation confirmation screen appears. Click the [Yes] button.
The APD is uninstalled.



- 4 The uninstallation confirmation screen for model specific utility is displayed. Click [Yes] when not using the model specific utility with other drivers and applications. Click [No] when not uninstalling.
The APD5 utility is uninstalled.



- 5 The "Uninstallation Complete" screen is displayed. Uninstallation is complete after clicking [Finish].

Maintenance

- Adding the printer ([p.23](#))
- Uninstalling the printer ([p.26](#))
- Changing the port settings of the printer ([p.27](#))
- Setting IP address to the printer. ([p.30](#))

Adding the printer

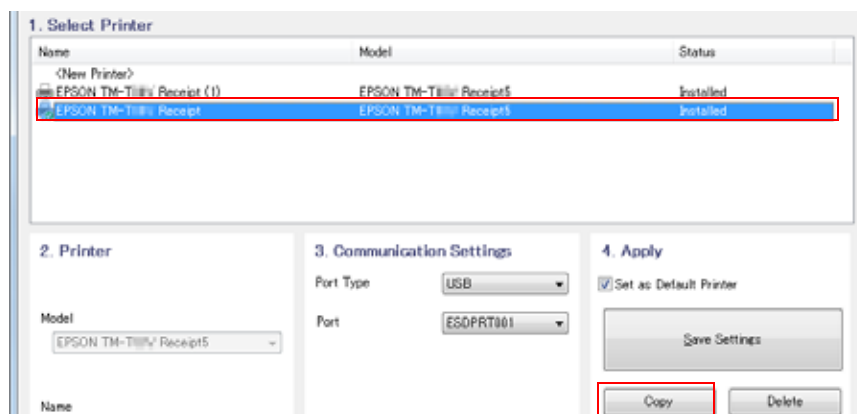
Follow the steps below to add a printer driver.



You cannot add the printer drivers directly from [Start] - [Devices and Printers].

- 1 Connect the printer to a computer and turn the printer's power on.
- 2 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 3 Register, Change and Delete EPSON TM Printer screen appears.
From [1. Select Printer], select "<New Printer>".

Follow the next steps when adding a printer that has been registered already.



1. Select the registered printer from [1. Select Printer].
 2. Click [Copy] under [4. Apply].
The same printer with different name is added to [1. Select Printer].
 3. Select the added printer and click [Test Print].
Test page printing of Windows is carried out.
 4. Test printing confirmation screen is displayed. After checking the printing result, click [OK] and click [Close] under [5. Complete].
- (You can connect up to 8 printers concurrently and copy up to 100 copies of a driver.)

4 Set the followings from [2. Printer].

Item	Description
Name	Specify the printer driver name. Do not use Unicode/2-byte characters for the name.

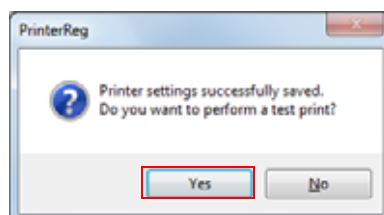
5 Select a port to use (Serial/Parallel/USB/Ethernet/Bluetooth) from [Port Type] under [3.Communication Settings]. Necessary settings are done according to the interface.

Port type	Description	
Item		
Serial	Communicate with serial port. Set the following communication setting.	
COM Port	Specify the number of serial port used for connecting the printer.	
Baud Rate	Specify the baud rate.	
Parity	Specify the parity.	
Stop Bits	Specify the stop bits.	
Flow Control	Specify the method of data flow between the computer and the printer.	
Data Bits	Specify the data bits.	
Parallel	Communicate with parallel port. Set the following communication setting.	
LPT Port	Specify the number of parallel port used for connecting the printer. Usually, the port number is automatically displayed and no setting is required.	
USB	Communicate with USB port. Set the following communication setting.	
USB Port	Specify the USB port used for connecting the printer. Usually, no setting is required.	
Ethernet	Communicate with Ethernet port. Set the following communication setting.	
Ethernet Port	Specify the Ethernet port used for connecting the printer. Usually, no setting is required.	
IP Address	Set the IP address of Ethernet port the TM printer is connected.	
Set to Printer	Setup the IP address to the printer itself. Please refer to "Setting IP address to the printer" on page 30 for detail.	
Bluetooth	Communicate with Bluetooth port. Set the following communication setting.	
Port	Specify the Bluetooth port used for connecting the printer. Usually, no setting is required.	

- 6 Set the followings from [4. Apply] and click [Save Setting].

Item	Description
Set as Default Printer	Check when configuring the printer as that normally used from the Windows applications.

- 7 When the printer is registered, the screen comes up as shown below. Click [Yes]. Test page printing of Windows is carried out.



- 8 After confirming the test page printing of Windows, click [Close] under [5. Complete].

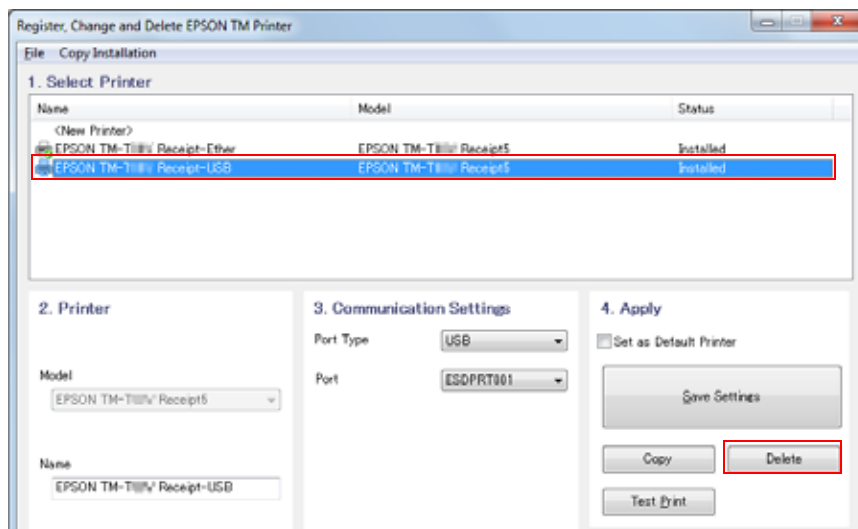
Uninstalling the printer

When multiple printer drivers are installed and if a driver needs to be deleted, follow the next steps to delete the printer driver.

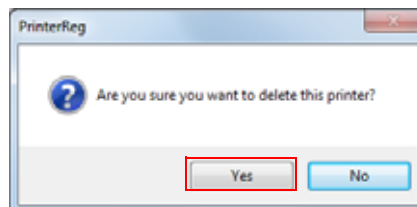


To uninstall all printer drivers, refer to ["Uninstallation" on page 22](#).

- 1 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 2 The Register, Change and Delete EPSON TM Printer screen appears. Select the printer to delete from [1. Select Printer] and click [Delete] under [4. Apply].



- 3 Printer deletion confirmation screen is displayed. Click [Yes].



- 4 After checking the selected printer is deleted from [1. Select Printer] in Step 2, click [Close] under [5. Complete].

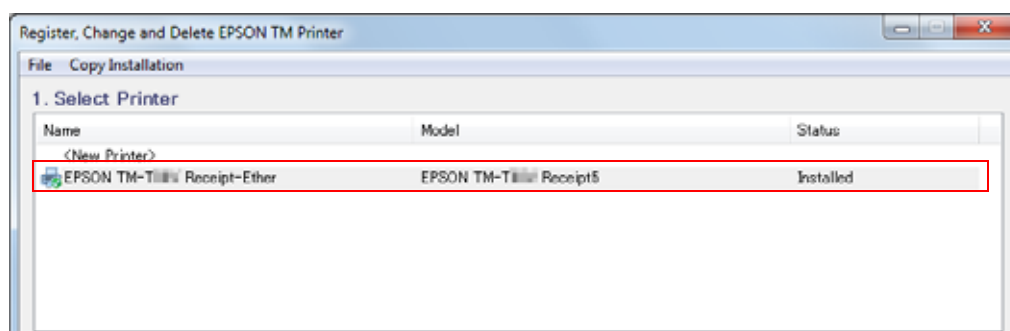
Changing the port settings of the printer

Under following circumstances, printer driver's port setting should be modified.

- When changing the interface of printer
- When changing the port of connecting printer
- When sharing the same port with already registered printer
- When changing the communication settings of printer in serial interface
- When changing the IP address of printer in Ethernet interface

Change the settings in the following procedure:

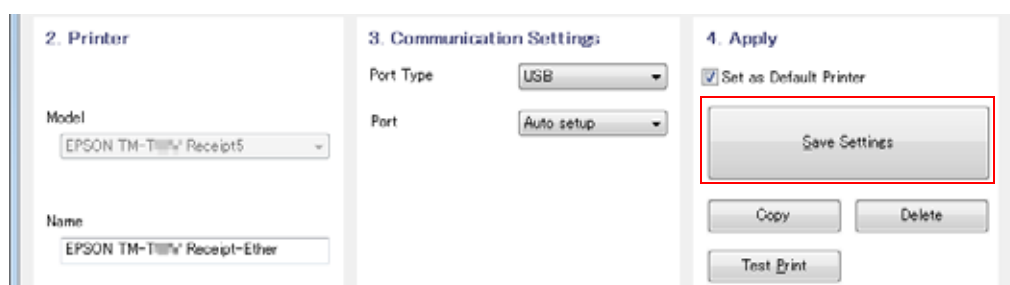
- 1 Connect the printer to the computer and turn the printer's power on.
- 2 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 3 The Register, Change and Delete EPSON TM Printer screen appears. Select the printer to change the port from [1. Select Printer].



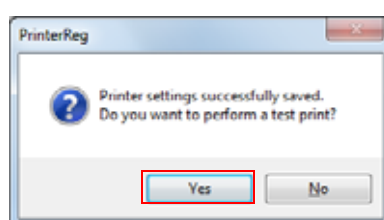
4 Set the port with [3. Communication Settings].

Port type		Description
Item		
Serial		Communicate with serial port. Set the following communication setting.
COM Port		Specify the number of serial port used for connecting the printer.
Baud Rate		Specify the baud rate.
Parity		Specify the parity.
Stop Bits		Specify the stop bits.
Flow Control		Specify the method of data flow between the computer and the printer.
Data Bits		Specify the data bits.
Parallel		Communicate with parallel port. Set the following communication setting.
LPT Port		Specify the number of parallel port used for connecting the printer. Usually, the port number is automatically displayed and no setting is required.
USB		Communicate with USB port. Set the following communication setting.
USB Port		Specify the USB port used for connecting the printer. Usually, no setting is required.
Ethernet		Communicate with Ethernet port. Set the following communication setting.
Ethernet Port		Specify the Ethernet port used for connecting the printer. Usually, no setting is required.
IP Address		Set the IP address of Ethernet port the TM printer is connected.
Set to Printer		Setup the IP address to the printer itself. Please refer to "Setting IP address to the printer" on page 30 for detail.
Bluetooth		Communicate with Bluetooth port. Set the following communication setting.
Port		Specify the Bluetooth port used for connecting the printer. Usually, no setting is required.

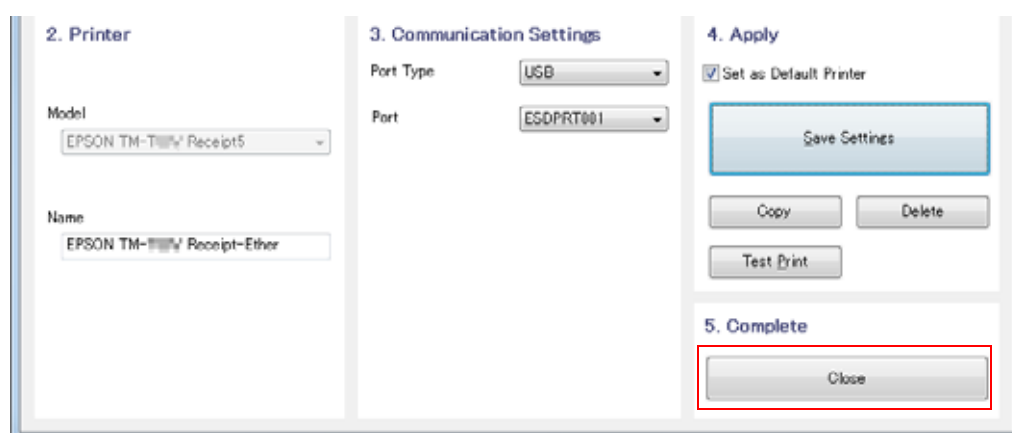
- 5 Click [Save Setting] under [4. Apply].



- 6 When the printer port setting is reflected, following screen comes up. Click [Yes]. Test page printing of Windows is carried out.



- 7 After confirming the test page printing of Windows, click [Close] under [5. Complete].

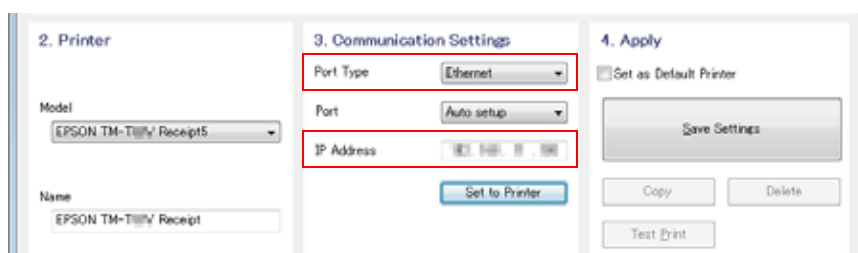


Setting IP address to the printer

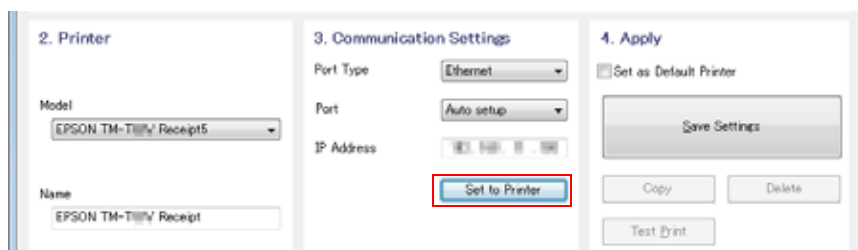
To configure an IP address for the TM printer, set the IP address of the port of the printer driver first, and then set the address to the TM printer.

Follow the steps below.

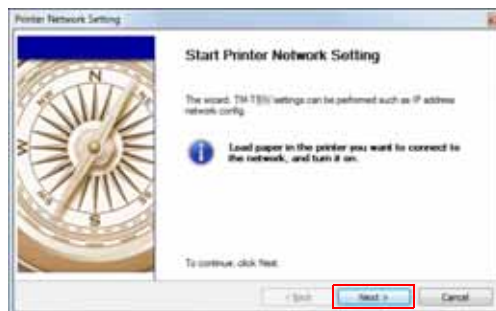
- 1 Connect the printer to the computer and turn the printer's power on.
- 2 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 3 The "Register, Change and Delete EPSON TM Printer" screen is displayed. Select the printer to set IP address from [1. Select Printer].
- 4 Select "Ethernet" from [Port Type] under [3. Communication Settings] and specify [IP Address] to set to the printer.



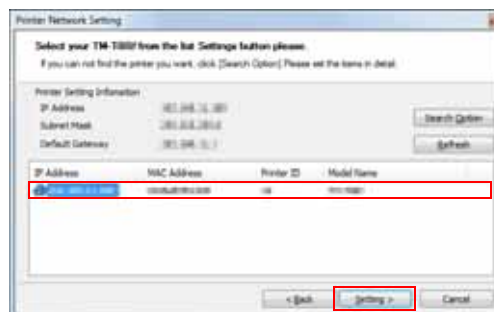
- 5 Click [Set to Printer].



- 6 The "Start Printer Network Setting" screen appears. Click the [Next].

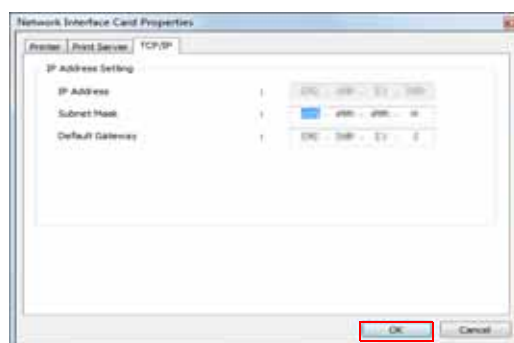


- 7 The "Printer Network Setting" screen appears. Select a printer to set an IP address and click [Settings].

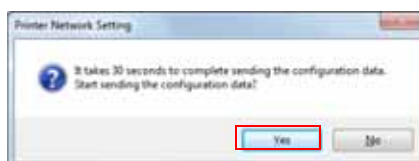


- Clicking the [Search Option] button and using the search option setup function enables you to search TM printers from a specific network.
- If the target TM printer is not displayed, click the [Refresh] button.
If using the [Refresh] button does not work, check whether the target TM printer is connected to the network.

- 8 The "Network Interface Card Properties" screen appears. Check the network settings to be set for the target TM printer, and click the [OK].

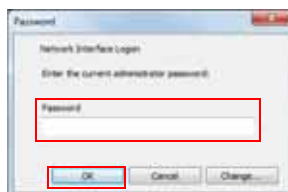


- 9 The confirmation screen appears. Click the [Yes].

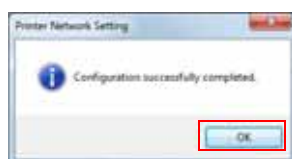


- 10 The screen to enter the network I/F password appears. Enter an optional password and click the [OK].

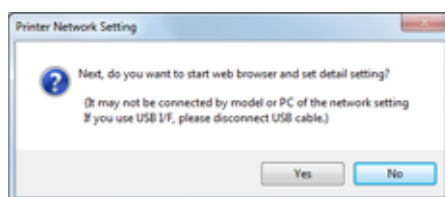
Configuration of the IP address for the TM printer starts.



- 11 Following screen appears. Click [OK].



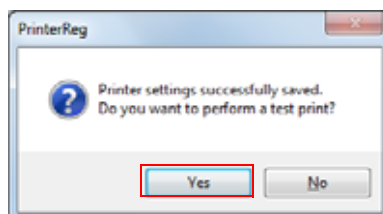
- 12 Following screen appears. When detail network setting of TM printer is needed, click [Yes].



TMNetWebConfig is launched after clicking [Yes].

- 13 The "Register, Modify, Delete of EPSON TM Printer" screen appears. Click [Save Setting] under [4. Apply].

- 14 When the printer port setting is reflected, following screen comes up. Click [Yes]. Test page printing of Windows is carried out.



- 15 After confirming the test page printing of Windows, click [Close] under [5. Complete].

Shared Printer Setting

This section describes how to install(p.33)/uninstallation(p.37) a shared printer into a client computer.

Installation

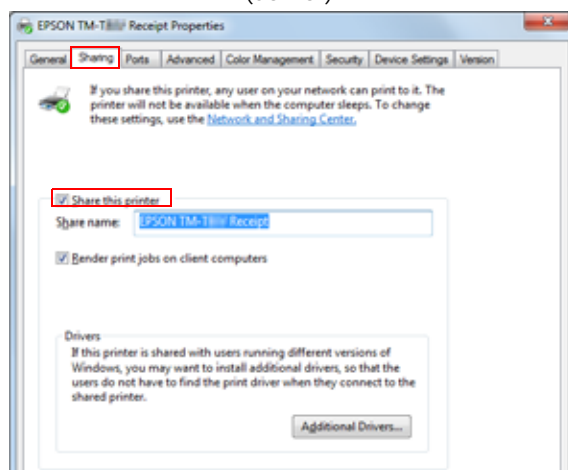
- Installation of Shared Printer (p.33)
- Enable Setting of the APD5 Utility with Shared Printer (p.36)

Installation of Shared Printer

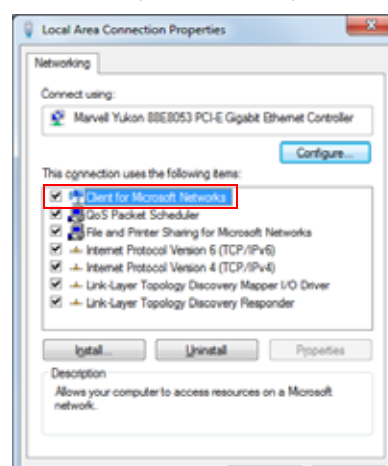
Before installing the printer to be shared, check the followings.

- Make sure the printer for the server is set for sharing.
- Make sure “Client for Microsoft Networks” is installed on a server and a client on which the APD5 will be installed.

<Printer setting for sharing>
(Server)



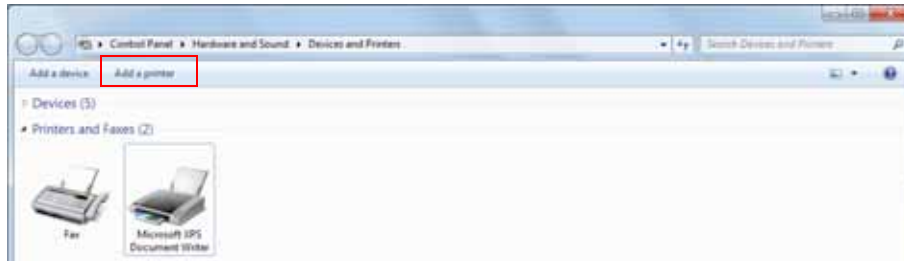
<Checking Client for Microsoft Networks>
(Server/Client)



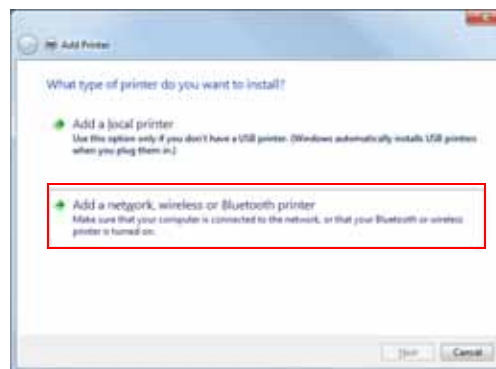
When more than one user uses one client computer, each user must install Client for Microsoft Networks.

Follow the procedures below to install the shared printer on the client computer.

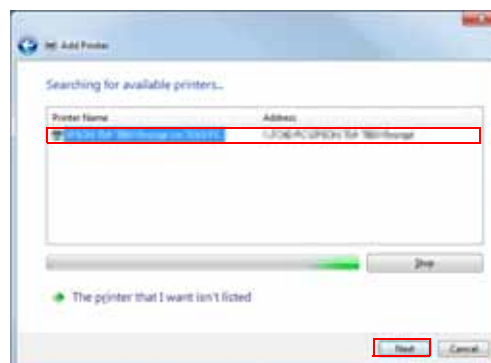
- 1 From [Start] - [Devices and Printers], select [Add a printer].



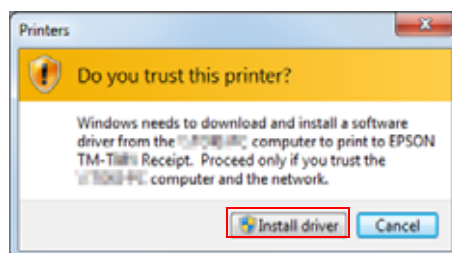
- 2 The "What type of printer do you want to install?" screen appears. Select [Add a network, wireless or Bluetooth printer].



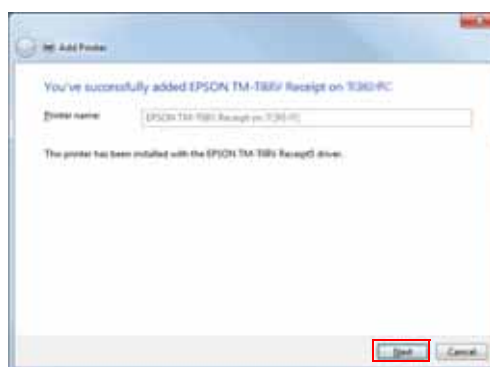
- 3 The "Select a printer" screen appears. Select a printer to be shared on the displayed list, and click the [Next].
The selected shared printer is installed.



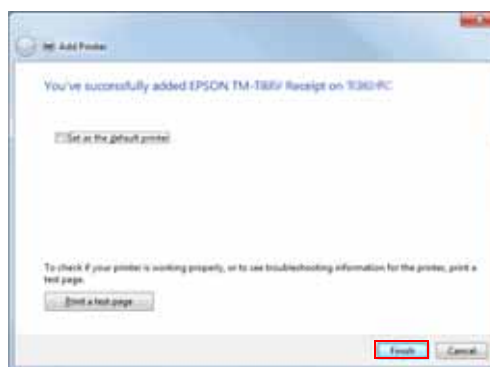
- 4 When the following screen is displayed, click [Install driver].



- 5 Following screen appears. Click [Next].



- 6 Following screen is displayed. Click [Finish].
Installation of shared printer is complete.

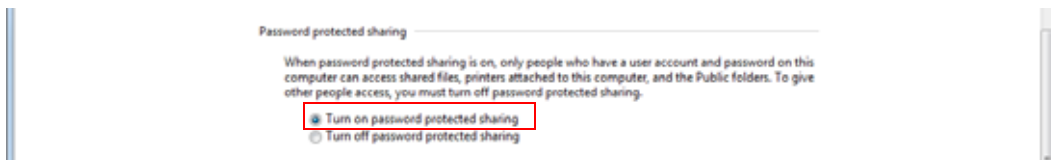


Check to confirm if the printer is installed correctly by clicking [Print a test page].

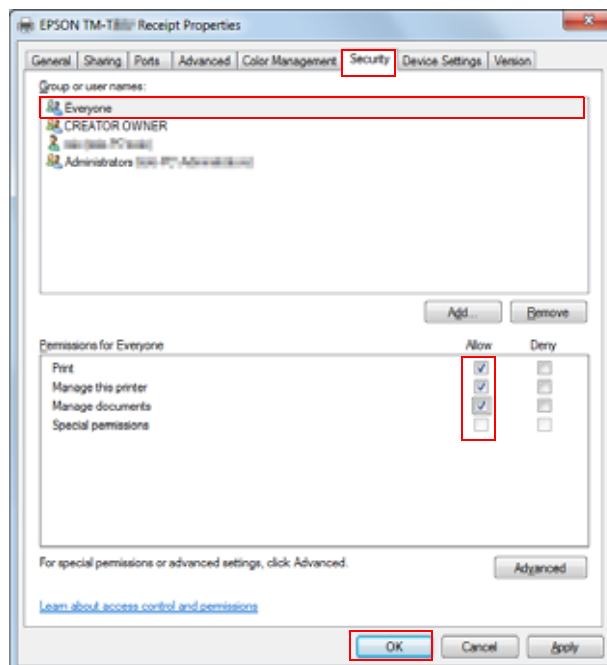
Enable Setting of the APD5 Utility with Shared Printer

It is necessary to change the access privilege setting when using the APD5 utility from the client side. Use the shared printer under the following environment.

- Use the same user account name between the server and client side.
- Enable the "Password protected sharing" of the server side.
Select [Start]-[Control Panel]-[Network and Internet]-[Network and Sharing Center]-[Advanced sharing settings].



- Provide the setting change privilege to the server side printer driver.



Follow the steps below.

1. Select [Printer properties]-[Security]-[Everyone]-[Advanced sharing settings] of the server side printer driver.
2. Place a check mark on "Allow" of "Print", "Manage this printer" and "Manage documents" under [Permissions for Everyone]. Click [OK].

Uninstallation

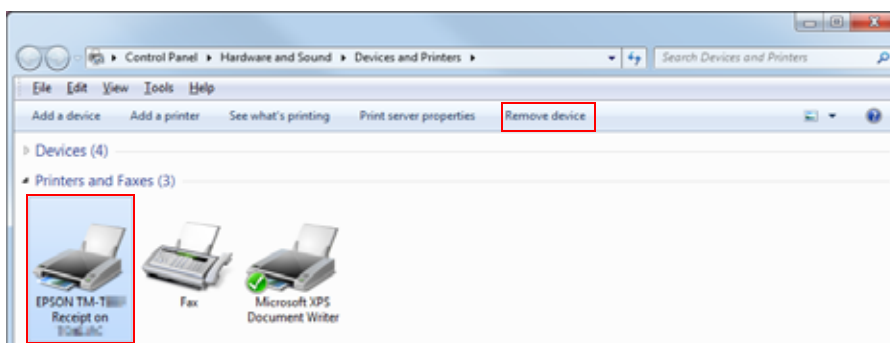
This section describes how to uninstall a shared printer from a client computer.

- Uninstall the shared printer (p.37)
- Uninstall the APD5 (p.38)

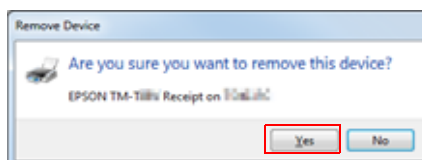
Uninstalling the shared printer

Follow the procedures below to uninstall the shared printer.

- 1 Select [Start] - [Devices and Printers].
- 2 Select the printer driver to delete and click [Remove device].



- 3 The delete confirmation screen appears. Click [Yes].



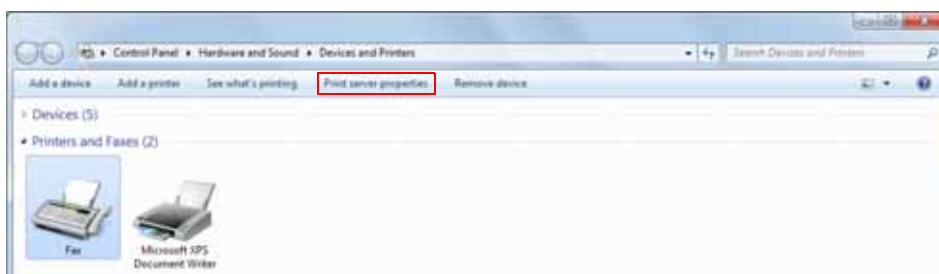
Uninstalling the APD5

Follow the procedures below to uninstall the APD5.

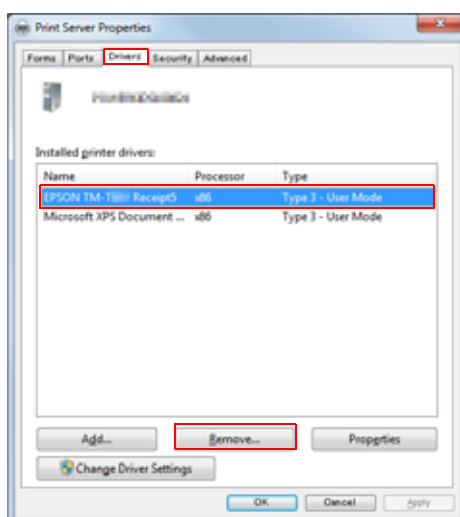


Uninstallation of the APD5 must be executed by an administrator.
A normal user needs an administrator's password to execute the uninstallation.

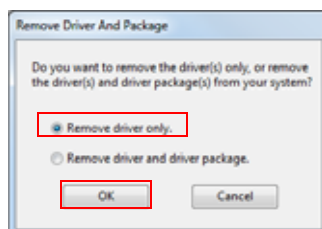
- 1 Select [Start] - [Devices and Printers].
- 2 Uninstall all the shared printers. See ["Uninstalling the shared printer" on page 37.](#)
- 3 Click [Print server properties].



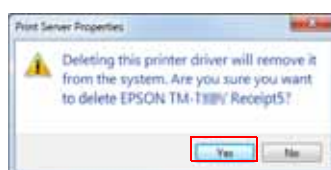
- 4 The "Print Server Properties" screen appears. Select a printer driver to delete in the [Drivers] tab, and click the [Remove].



- 5 The “Remove Driver And Package” screen appears. Select “Remove driver only,” and click the [OK].



- 6 Following screen is displayed. Click [Yes].
The APD5 is uninstalled.



Coexisting with APD4's customer display

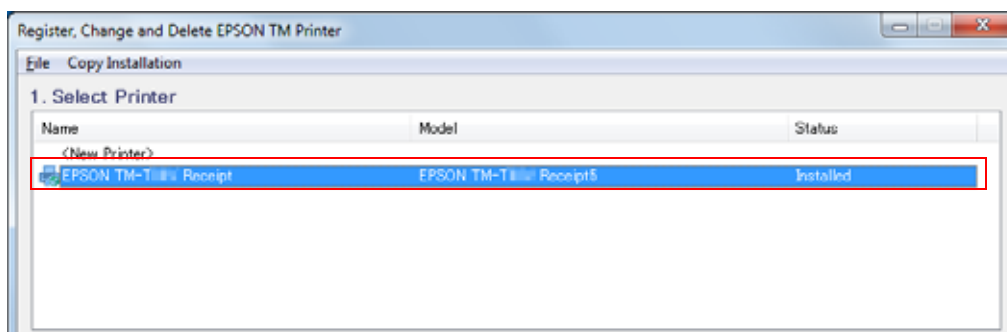
When using the customer display, the customer display is coexisted by using the APD4 driver. In the APD5, the customer display controlled by the APD4 driver can be used with the connection methods shown below.

- Pass through connection([p.40](#))
This method connects the TM printer from the computer via the customer display. The communication setting of APD4's customer display should match the communication setting of APD5's TM printer.
- Standalone connection
With this method, the computer to TM printer and customer display are connected to a different port respectively.

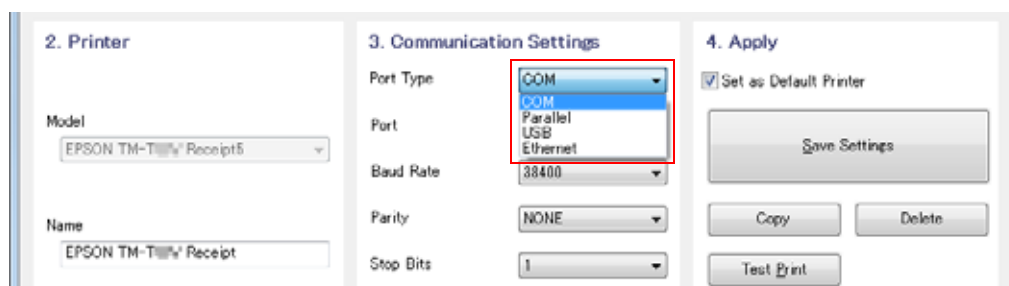
Pass through connection setting

The communication setting of TM printer is matched with the customer display following the steps below.

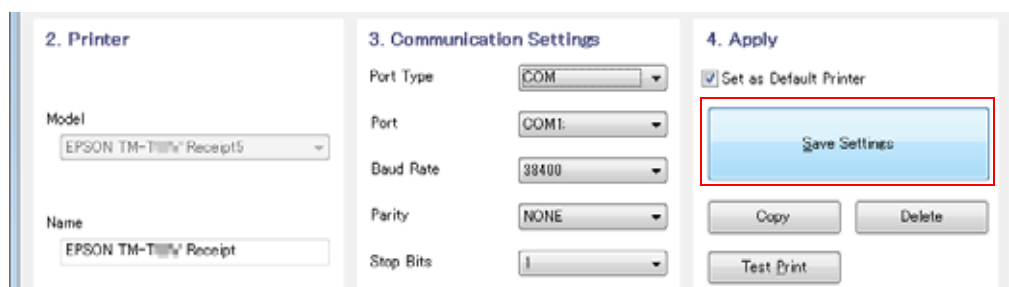
- 1 Connect the customer display and computer. Then connect the TM printer to the customer display and turn the power on.
- 2 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 3 The Register, Change and Delete EPSON TM Printer screen appears. Select the printer to connect to the customer display from [1. Select Printer].



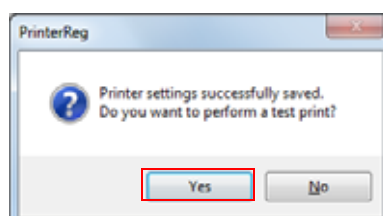
- 4 Set the port with [3. Communication Settings].
Set the port settings to the same settings of customer display done by the APD4.



- 5 Click [Save Setting] under [4. Apply].



- 6 When the printer port setting is reflected, following screen comes up. Click [Yes]. Test page printing of Windows is carried out.



- 7 After confirming the test page printing of Windows, click [Close] under [5. Complete].



Silent Installation

This chapter describes the procedures for the Silent Installation.

Overview

The silent installation is a method that copies the existing APD5 setup environment to other computers without user operation.

With this function, you can incorporate the APD5 installation into a batch file, a recovery disc for the OS, and an installer of an application.

Also, you can add the command options for the silent installation to enable the following functions.

- Notification when completing the installation
- Restart setting after completing the installation
- Upgrade installation settings
- Uninstalling without displaying screens (Silent Uninstallation)

Method

❑ Using a silent installation package (*.exe)

Create the silent installation package on the copy source computer.

At the copy destination, execute the package file to do the silent installation.

There are following types for the package files that are created for silent installation.

- Minimal package
(without the APD5 Utility)
- Complete package
(with the APD5 Utility)

❑ Using a script file (*.inf) for the silent installation

At the copy source computer, a script file in which the source copy information is recorded is created. Execute this file and the APD5 installer (APD_5xx_Txx.exe) per model on a different computer to do silent installation.

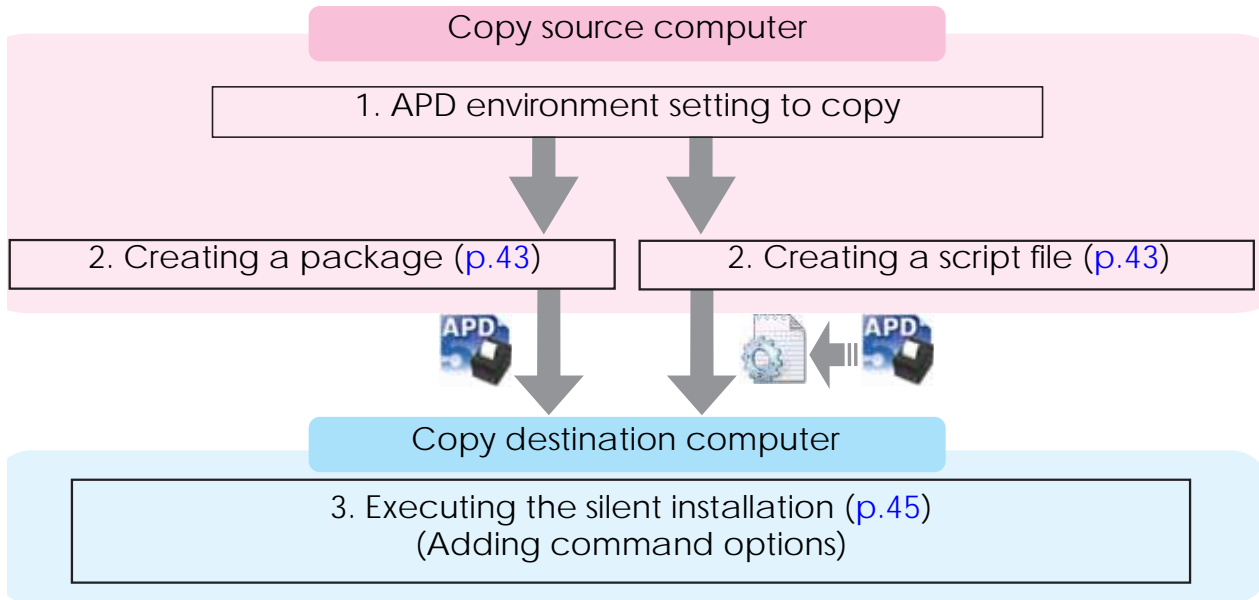
How to Use

This method is useful especially in the following cases:

- You can make the same setting to multiple computers easily.
- Even computers with no displays can be set up.
- In case of printing trouble, the APD environment of the computer with an error can be recreated on another computer by using the script file for the silent installation of that computer, and it improves the service and maintenance function. (In the environment in which the silent installation is executed with the silent installation package, the script file for the silent installation cannot be created.)

Flow of the Silent Installation

The flow of the silent installation is described below.



Make sure to match the copy source computer's OS bits with copy destination computer's OS bits. Silent installation cannot be done when OS bits are different.

<Example>

When the copy source computer's OS is 64 bits, the copy destination computer's OS should be 64 bits.

File Creation

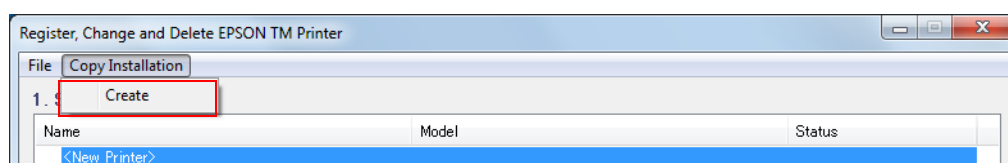
Package file and script file are created.



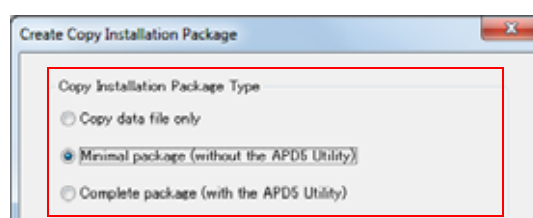
If the silent installation has been already done, the package file and script file for silent installation cannot be created.

Follow the steps below.

- 1 Select [Start]-[All Programs]-[EPSON]-[EPSON Advanced Printer Driver 5]-[Register, Change and Delete EPSON TM Printer].
- 2 The Register, Change and Delete EPSON TM Printer screen appears. Click [Copy Installation]-[Create] in the menu bar.

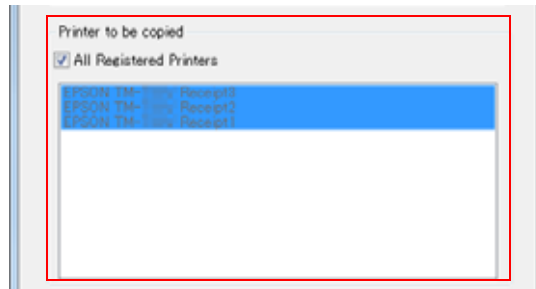


- 3 The "Create Copy Installation Package" screen is displayed. Select the file to be created matching the silent installation method from [Copy Installation Package Type].



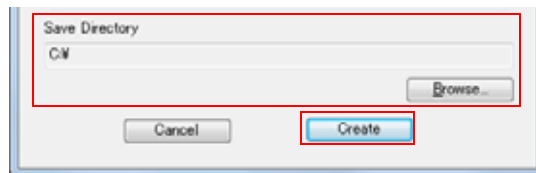
Setting	Description
Copy data file only	Output the script file (*.inf). It is created per APD5 package (model). When doing the silent installation, it is executed by embedding the APD5 installer (APD_5xx_Txx.exe) per model.
Minimal package (without the APD5 Utility)	Output the package file (*.exe). A package file that does not contain the APD5 utility is created.
Complete package (with the APD5 Utility)	Output the package file (*.exe). A package file that contains the APD5 utility is created.

- 4 Select the printer to copy from the [Printer to be copied] list.

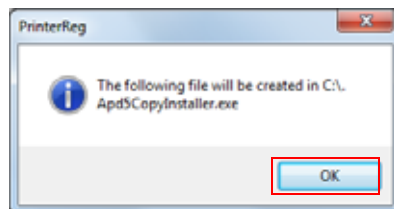


By default setting, [All Registered Printers] is checked.
When copying all registered printers, leave the check marks as they are. When copying only a specific printer from the registered printers, uncheck them and select a printer.

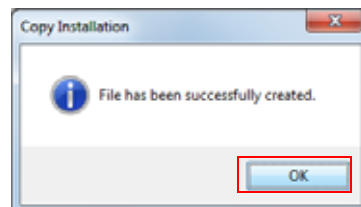
- 5 Click [Browse] and specify the file output destination. Click [Create].



- 6 The confirmation screen appears. Click [OK].
A package file/script file is created.



- 7 When the output is complete, following screen appears. Click [OK].
A file is created at the place specified in Step 5.



Executing the Silent Installation

You can execute the silent installation using the following methods.

- Execute the silent installation package on the copy destination computer.
- Copy the script file and APD5 installer to a destination computer, and execute using the command line.
- Develop a batch file or an application for the APD installation, and execute it.



- Execute with Admin (Administrator) privilege.
- When the copy source computer's OS bits and copy destination computer's OS bits are different, silent installation cannot be executed.

How to execute the Silent Installation

Following the procedures below to execute the silent installation.

Installing using the silent installation package

Copy the silent installation package to the copy destination computer, and execute the following command.

```
>[Package File Name(specified with the full path)]
```

Ex: D:\APD5>Apd5CopyInstaller.exe

Installing using the script file for the silent installation

Copy the script file for the silent installation and the APD5 installer, and execute the following command.

```
>[APD5 Installer (specified with the full path)]
[/s /f1 "Script file name (specified with the full path)"]
```

Ex: D:\APD5>APD_500_T88V.exe /s /f1"D:\APD5\TM-T88V.inf"



- Confirm that APD5 installer and script file to be executed are the same model's package and same version.
- Execute the silent installation per model.

Checking the Installation Result

The result of silent installation can be checked from the following file.

File name
CopyInstallLog.txt
Output folder
%ALLUSERPROFILE%\Application Data\EPSON\EPSON Advanced Printer Driver 5\CopyInstallLog

Information of CopyInstallLog.txt

Following information are recorded in CopyInstallLog.txt.

- Year, month, date and time when the silent installation is executed
- Installation package name
- Installation results

The contents of "Install Result" are as follows.

Install Result	Description
0	Installation is complete correctly.
1223	User cancelled the installation.
1	<ul style="list-style-type: none">• Need to have the Administrator privilege to setup correctly.• There is not enough disk space to install the selected functions in the current volume. Either ensure the disk space by deleting files from the current volume or delete the functions to install on the local disk. Or select another drive.
2	Specified script file was not found.
3	Specified command option cannot be used.
4	The printer is already installed. This driver cannot be installed on the computer where the printer is installed. When installing this driver, please uninstall the printer.
5	Newer version is installed than the current installation version.
6	The package is not same as the specified script file and APD5 installer package.
7	<ul style="list-style-type: none">• This script file can be used only on 32 bits OS.• This script file can be used only on 64 bits OS.
8	The specified script file cannot be used for this package version.
9	The specified script file cannot be used with this package.
-3	Cannot install, because the APD5 is already installed.
1151	Silent installation is executed on the OS not supported by APD.
-1	<ul style="list-style-type: none">• The files in the target computer cannot be overwritten. Files may be in use. Quit all running applications and try the installation from the beginning.• Installation failed. Quit all running applications and try the installation from the beginning.

Command Options

The command options of the silent installation and how to make settings are described below.

Option	Description
/s /f1"script file name"	Silent installation is executed using the script file.
/s /a	Upgrade the APD5.
/s /uninstall	Execute silent uninstallation. When /s is not attached, uninstallation screen appears.
/d	Silent installation results are displayed in the message dialog.
/r(Y/N)	Setup the OS to reboot after silent installation. <ul style="list-style-type: none"> • When rebooting is done: /rY • When rebooting is not done: /rN (When nothing is indicated, it will reboot automatically if there is a request to reboot.)
/P	Specify the IP address of all devices registered in the Ethernet connection. However, only 1 IP address can be specified. (All will be the same IP address.)

Command options that can be combined

Usable options are different by the silent installation method. Refer to the following.

*:Required options

Silent installation method	/s /f1	/s /a	/s /uninstall	/d	/r	/P
Use the package file	-	-	-	✓	✓	✓
Use the script file	✓*	-	-	✓	✓	✓
Update silent installation		✓*	-	✓	✓	-
Silent uninstallation	-	-	✓*	✓	✓	-

