

TM Printer

Print Support Library Manual

Overview

Descriptions of the TM Printer Print Support Library features.

Installation

Descriptions of install and uninstall.

Using the Print Support Library

Descriptions of how to use the Print Support Library.

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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.
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Overview

This chapter describes the package components and operating environment of the TM Printer Print Support Library.

System Overview

The TM Printer Print Support Library is a library for the purpose of supporting the print settings of the Epson TM printer. By setting parameters for this library, print settings can be executed without displaying the print dialog.

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Package Components

- | | |
|--|--------------------------------------|
| • TMPrintSupportLibrary_xxx.pkg: | TM Print Support Library Installer |
| • TMPrintSupportLibrary_xxx_Uninstall: | TM Print Support Library Uninstaller |

Operating Environment

- OS X 10.11
- OS X 10.10.5
- OS X 10.9.5
- OS X 10.8.5
- OS X 10.7.5
- Mac OS X 10.6.8

Supported Models

The following models are supported by the TM Printer Print Support Library:

- TM-m10
- TM-m30
- TM-T20
- TM-T20II
- TM-T70II
- TM-T82
- TM-T82II
- TM-T88V
- TM-T88VI

Installation

This chapter describes the procedures for installing the Print Support Library.

CAUTION

To use this library to print, a TM driver must be installed and the printer must be registered.

NOTE

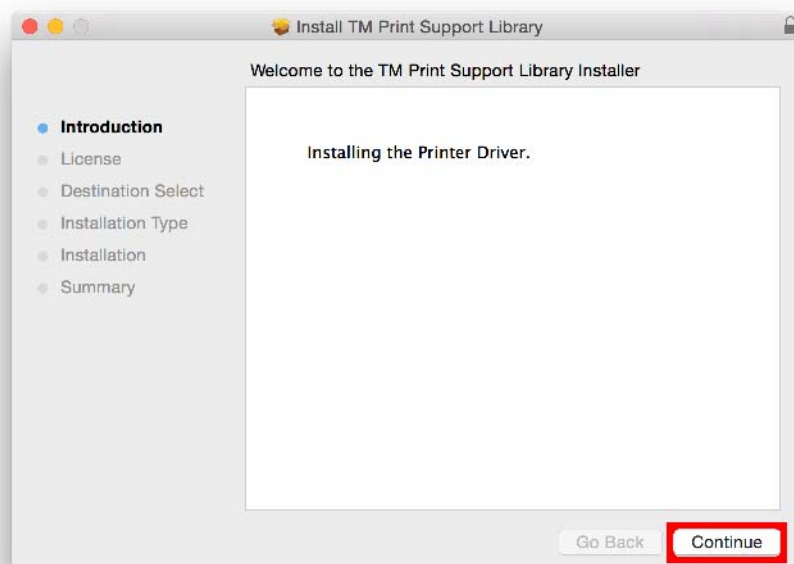
- The screens of OS X 10.10 are shown in this chapter. If you are using a different version of the OS X, proceed as appropriate for the screens in your version.
- To install the Print Support Library, the "Name" and "Password" of the administrator are required.

Installing the Print Support Library

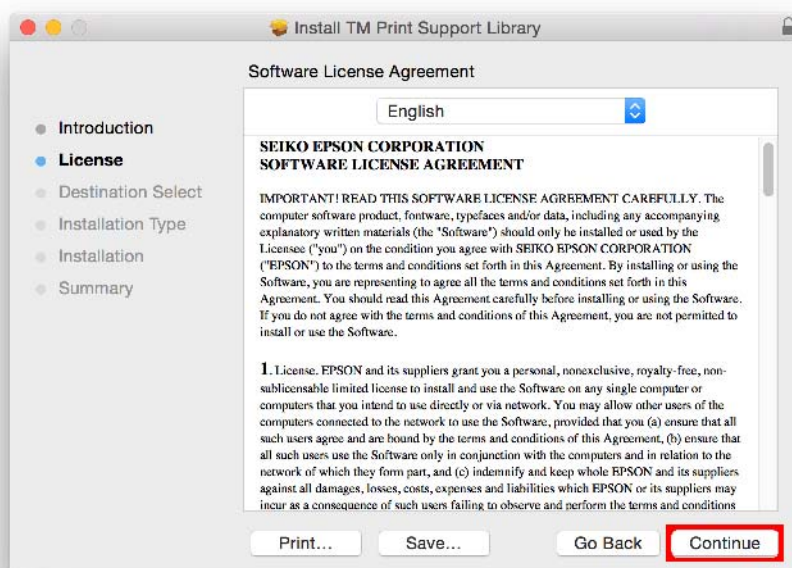
Installing

2

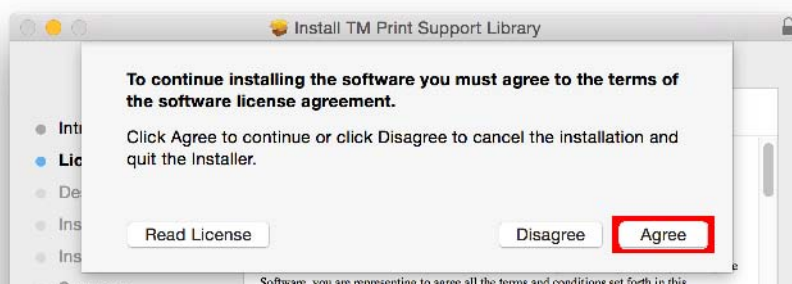
- 1 Double-click "TMPrintSupportLibrary_xxx.pkg" to start the installer.
- 2 The "Welcome to the TMPrintSupportLibrary_xxx Installer" screen appears. Click the [Continue] button.



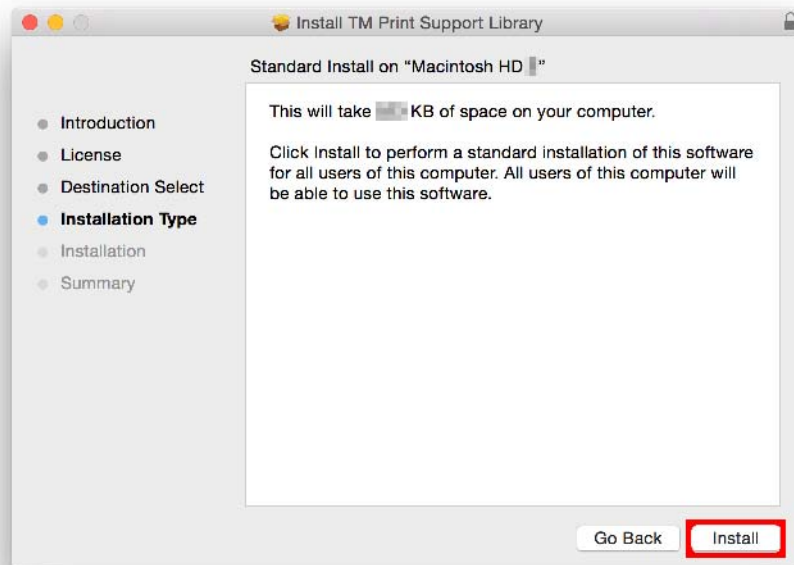
- 3** The "Software License Agreement" screen appears. Check the contents and click the [Continue] button.



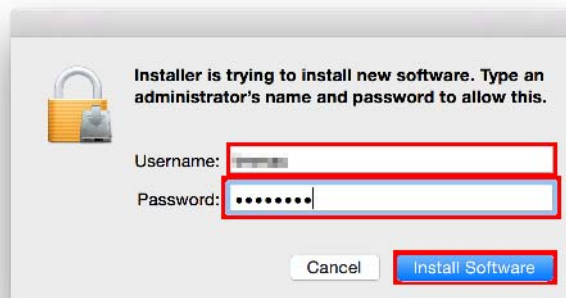
- 4** The license agreement confirmation message appears. Click the [Agree] button.



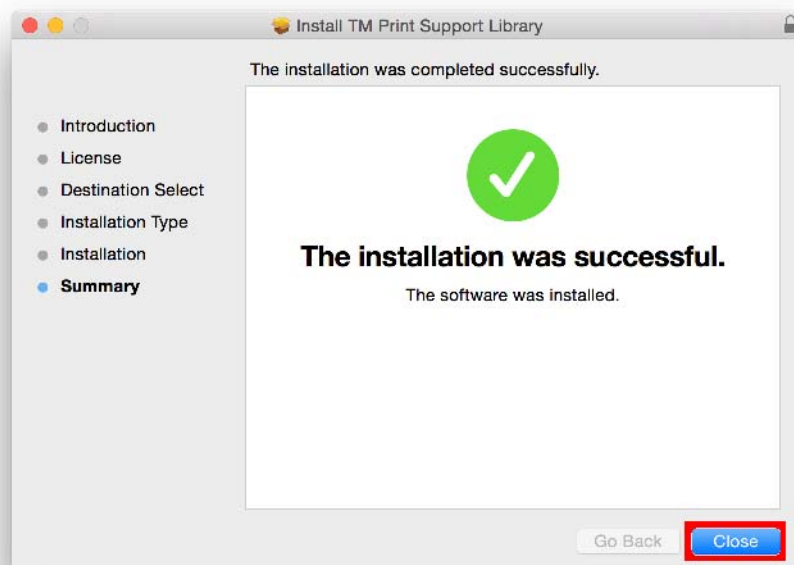
- 5 The "Select a Destination" screen optionally appears. Click the [Continue] button.
- 6 The "Standard Install on "Macintosh HD"" screen appears. Click the [Install] button.



- 7 The OS administrator authentication screen appears. Enter a [Name] and [Password] and click the [OK] button.
Start the install.



- 8 The "The installation was completed successfully." screen appears. Click the [Close] button.

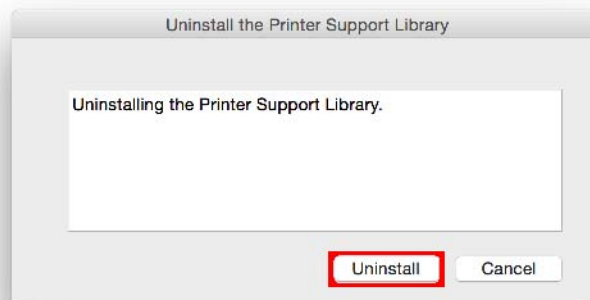


This completes the installation of the Print Support Library.

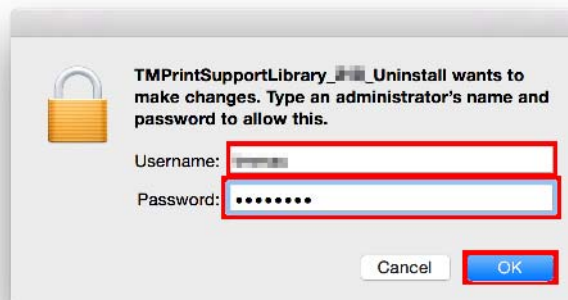
Uninstalling the Print Support Library

Uninstalling

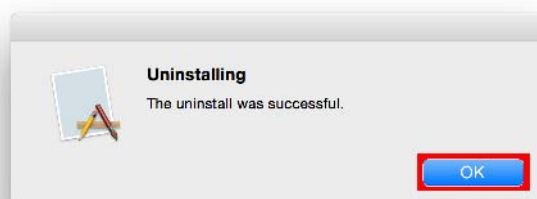
- 1 Double-click `TMPrintSupportLibrary_xxx_Uninstall` to start the uninstaller.
- 2 The "Uninstalling the Printer Driver" screen appears. Click the [Uninstall] button.



- 3 The operating system's administrator authentication screen appears. Enter a [Name] and [Password], and click the [OK] button.
Start the uninstall.



- 4 Following screen appears. Click [OK].



This completes the procedure for uninstalling the Print Support Library.

Using the Print Support Library

This chapter explains how to use the Print Support Library.

NOTE

The screens of Mac OS X 10.10 are shown in this chapter.
If you are using a different version of Mac OS, proceed as appropriate for the screens in your version.

To use the library, add the following framework to your application's project:

/Library/Frameworks/TMPrintSupportLibrary.framework

For details, see the project settings in the sample application.

A header file is bundled in the library.

TMPrintSupportLibrary.framework/Versions/A/Headers/TMPrintSupport.h

Print Support Library API

API specification

- TMSetJobTicket

Prototype	
+(OSStatus) TMSetJobTicket:(NSPrintInfo*)iPrinterInfo PrinterName:(NSString*)iPrinterName documentSize:(NSSize)iDocumentSize resolution:(NSString*)iResolution speed:(NSString*)iPrintSpeed blank:(NSString*)iPageBlank paperCut:(NSString*)iPperCutType cashDrwr:(NSString*)iCashDrawer buzzerControl:(NSString*)iBuzzerControl buzzerPattern:(NSString*)iBuzzerPattern buzzerRepeat:(NSString*)iBuzzerRepeat	
Description	
Sets the information that is set in the parameters in printerInfo.	
Arguments	
iPrinterInfo	Sets the printer information.
iPrinterName	Sets the printer name.
iDocumentSize	Sets the paper size "TMTicketPageSize_0" = "RP80x297"; "TMTicketPageSize_1" = "RP58x297";
iResolution	Sets the resolution "TMTicketResolution_1" = "180x180dpi"; "TMTicketResolution_2" = "203x203dpi";

iPrintSpeed	Sets the print speed. "TMTicketPrintSpeed_1" = "Auto"; "TMTicketPrintSpeed_2" = "1"; "TMTicketPrintSpeed_3" = "2"; "TMTicketPrintSpeed_4" = "3"; "TMTicketPrintSpeed_5" = "4";
iPageBlank	Sets blank page saving. "TMTicketBlankLineSkip_1" = "Off"; "TMTicketBlankLineSkip_2" = "Top"; "TMTicketBlankLineSkip_3" = "Bottom"; "TMTicketBlankLineSkip_4" = "Both";
iPaperCutType	Sets the page cutting type. "TMTicketCutType_1" = "DocFeedCut"; "TMTicketCutType_2" = "DocFeedNoCut"; "TMTicketCutType_3" = "DocNoFeedCut"; "TMTicketCutType_4" = "DocNoFeedNoCut"; "TMTicketCutType_5" = "PageFeedCut"; "TMTicketCutType_6" = "PageFeedNoCut"; "TMTicketCutType_7" = "PageNoFeedCut";
iCashDrawer	Specifies the open setting of the cash drawers 1, 2. "TMTicketCashDrawer_1" = "None"; "TMTicketCashDrawer_2" = "Drawer#1,Before"; "TMTicketCashDrawer_3" = "Drawer#1,After"; "TMTicketCashDrawer_4" = "Drawer#2,Before"; "TMTicketCashDrawer_5" = "Drawer#2,After";
iBuzzerControl	Sets Buzzer Control. "TMTicketBuzzerControl_1" = "Off"; "TMTicketBuzzerControl_2" = "Before"; "TMTicketBuzzerControl_3" = "After";
iBuzzerPattern	Sets Buzzer Pattern. "TMTicketBuzzerPattern_1" = "Internal"; "TMTicketBuzzerPattern_2" = "A"; "TMTicketBuzzerPattern_3" = "B"; "TMTicketBuzzerPattern_4" = "C"; "TMTicketBuzzerPattern_5" = "D"; "TMTicketBuzzerPattern_6" = "E";
iBuzzerRepeat	Sets Buzzer Repeat. "TMTicketBuzzerRepeat_1" = "1"; "TMTicketBuzzerRepeat_2" = "2"; "TMTicketBuzzerRepeat_3" = "3"; "TMTicketBuzzerRepeat_4" = "5";
Return	
0	Normal end
-1	Printer information not correct (cannot find printer)
-2	Invalid parameter value
-3	Abnormal ticket information

- TMSetEmptyData

Prototype	
+(CFStringRef) TMSetEmptyData:((NSString*)iPrinterName	
Description	
Sends empty data to the printer Use this when sending only the user definition file.	
Arguments	
iPrinterName	Sets the printer name (queue name).
Return	
Error code	

Sample application

Compile environment

- OS: Mac OS X 10.6 or later
- Compiler: Xcode 6.x or later

Compile procedure

The master sample source codes have been stored in the following location:

`/Users/Shared/TMPrintSupportLibrary/SampleSources`

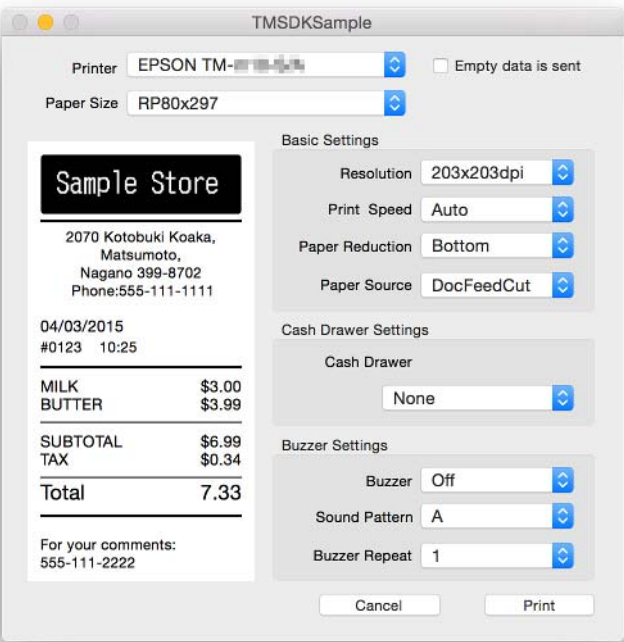
Copy the whole directory to your private location under your home directory; Ex. Desktop, and so on.

Start "TMSDKSample.xcodeproj" in the copied SampleSources directory using Xcode.

CAUTION

Don't open the master sample source code project directly to avoid unexpected build errors.

TMSDKSample screen



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Item	Description	Remarks
Printer	Displays the printer name.	Displays the TM printer list registered in the print and fax screen. When no printers are registered, the list is blank and only the [Cancel] button can be selected.
Page Size	Displays the paper size.	-
Empty data is sent	Sends empty data.	When it is ON, the buttons other than [Print] and [Cancel] cannot be selected.
Sample Data	Displays sample data sent to the printer.	-
Resolution	Sets the resolution.	-
Print Speed	Sets the print speed.	-
Paper Reduction	Sets saving of blank parts of pages.	-
Cash Drawer	Specifies the open setting of the cash drawers 1, 2.	-
Buzzer Control	Sets the buzzer control.	-
Sound Pattern	Sets the buzzer sound pattern.	-
Buzzer Repeat	Sets the number of buzzer repeats.	-
Cancel	Quits the application without printing.	-
Print	Starts printing.	-

* Immediately after startup, displays the default values of the Basic Settings, Cash Drawer Settings, and Buzzer Settings.

Sample source

When the Print button of the TMSDKSample application is pressed, the following processing is performed.

NOTE

In "xxx", specify the queue name of the environment you are using.

Sample data print

```
OSStatus          err = noErr;
NSPrintInfo       *printInfo = [NSPrintInfo sharedPrintInfo];
NSView            *view;

err = [TMPrintSupport TMSetJobTicket:printInfo
      printerName:@"xxx"
      documentSize:NSMakeSize(204.0, 841.8)
      resolution:@"180x180dpi"
      speed:@"1"
      blank: @"Off"
      paperCut: @"DocFeedCut"
      cashDrwr:@"Drawer#1,Before"
      buzzerControl: @"Off"
      buzzerPattern: @"A"
      buzzerRepeat: @"3"];

NSPrintOperation  *printOperation =
    [NSPrintOperation printOperationWithView:view printInfo:printInfo];
[printOperation setCanSpawnSeparateThread:YES];
[printOperation setShowPanels:NO];
[printOperation runOperation];
```

Empty data print (When "Empty data is sent" is selected)

```
OSStatus          err = noErr;
err = [TMPrintSupport TMSetEmptyData:@"xxx"];
```