

EPSON OPOS ADK for .NET Manual

Sample Programs

Operation Guide

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Notes

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Section 1. Introduction

This manual describes how to use the Sample Programs provided with the EPSON OPOS ADK for .NET. Related items and warnings are described.

The Sample Programs are intended to serve as a reference for application developers. They introduce the principal methods and properties for each device using Visual Basic .NET and Visual C# .NET programs.

Before the Sample Programs can be used, the EPSON OPOS ADK for .NET should be installed and the devices to be used should be set up using the SetupPOS utility. For setting methods, details on settings, and details on functions, please refer to the device manuals.

This manual applies to the following devices:

POSPrinter, LineDisplay, CashDrawer, MICR, CheckScanner and Electronic Journal.

Section 2. Warnings

The following describes warnings when using the Sample Programs.

- Confirm the following items before operating the Sample Program.
 1. The Sample Programs work with the following environment. Confirm that these are installed:

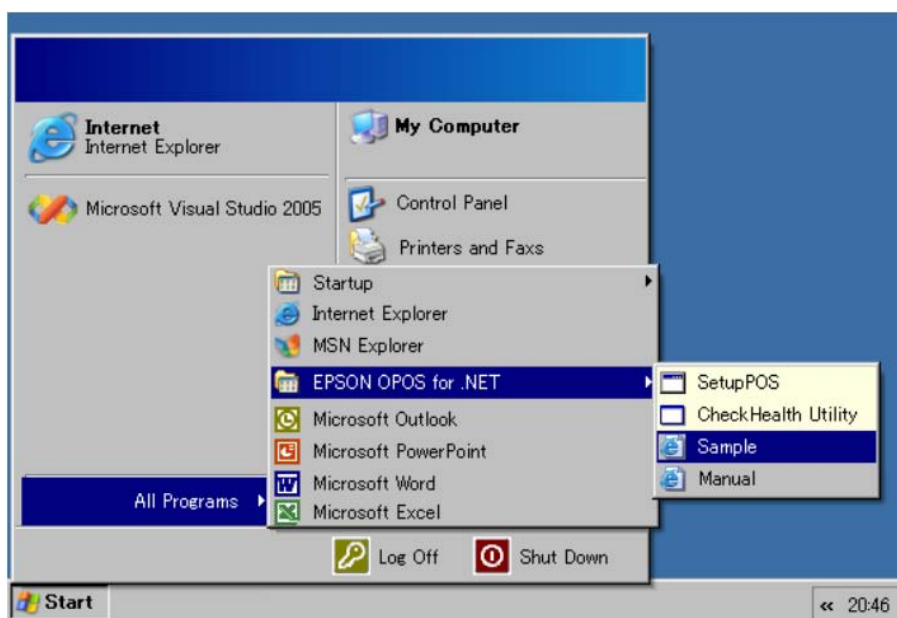
Visual Basic .NET	2010
Visual C# .NET	2010
.NET Framework	Version 4.0
 2. Confirm that EPSON OPOS ADK for .NET is installed.
 3. Execute CheckHealth test, and check that each device is connected and set properly.
- In some cases the data category is not determined correctly due to the setting of the scanner header. In this case, refer to the manual of the relevant device and set the header again.
- The Logo.bmp file must be located in the same folder as the executable file when executing bitmap display (printing) function.
Logo.bmp is stored in the same folder as the source files.

Section 3. Using the Sample Programs

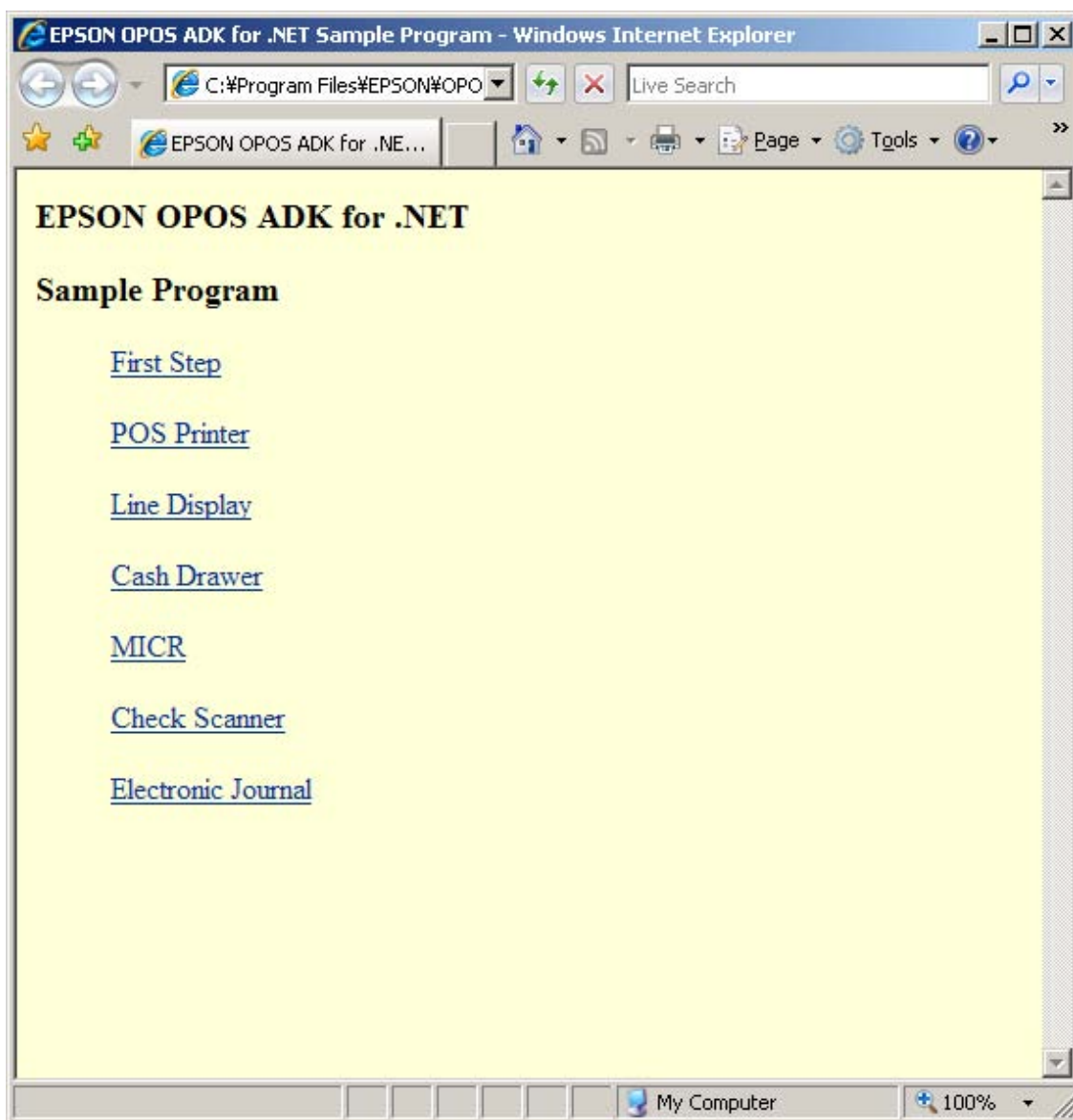
This section describes how to use the sample programs and the operation of each device. For the installation method, refer to the "EPSON OPOS ADK for .NET MANUAL Installer Manual Installer".

3.1 Usage

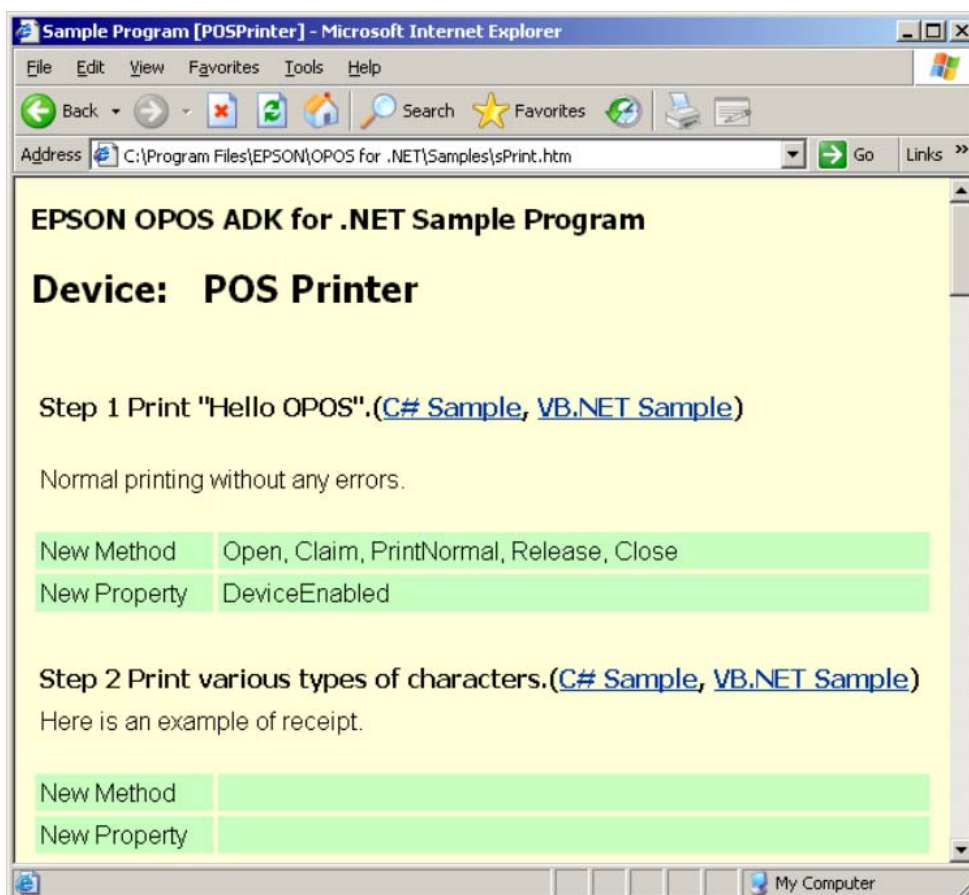
1. Execute Sample from the following program group.



2. Execute the sample, and the following screen for selecting devices appears.
Select the appropriate item from the displayed devices.

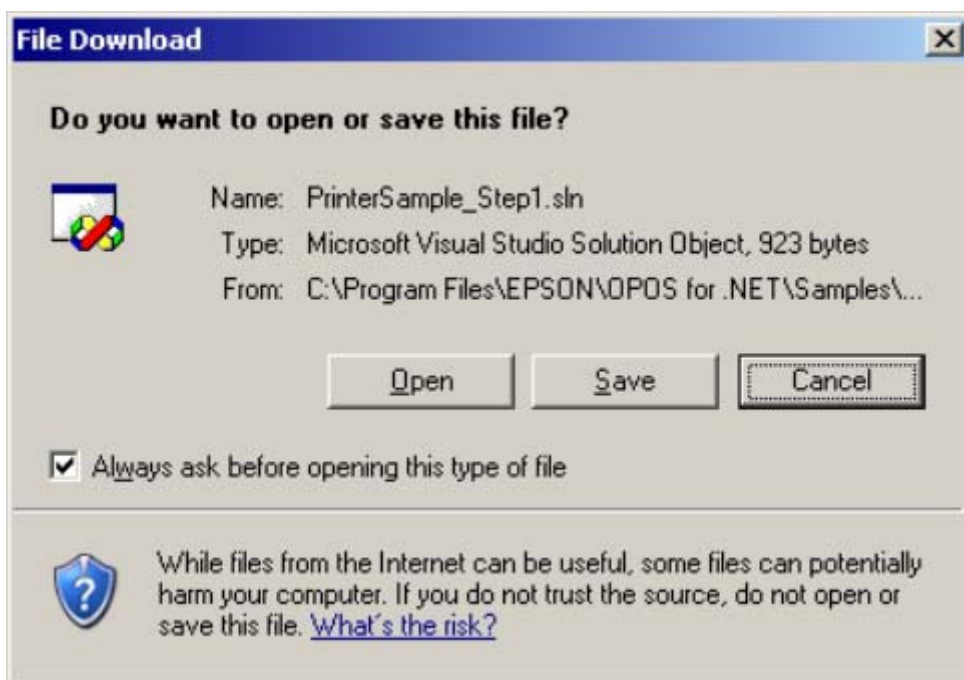


3. When the appropriate device is selected, the following step screen appears. (The selected device name is indicated at the position of the asterisks "xxx" ([Device: xxx])). The following screen shows that POS Printer has been selected.)



The number of steps varies with the device, but more step numbers mean more functions. Each step contains an explanation of the principal functions and newly added methods and properties.

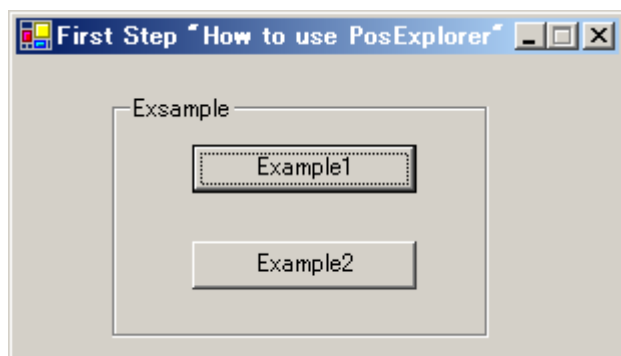
4. When the step is selected, the following download screen appears.
Click Open. The Sample Program is downloaded.



5. The packaging method and operation can be confirmed from the downloaded Sample Program.

3.2 First Step

This section explains the procedure for using EPSON OPOS ADK for .NET.



The explanation of the operation of each button is as follows:

[Example1]

Generates a control based on the device category and logical device name.

[Example2]

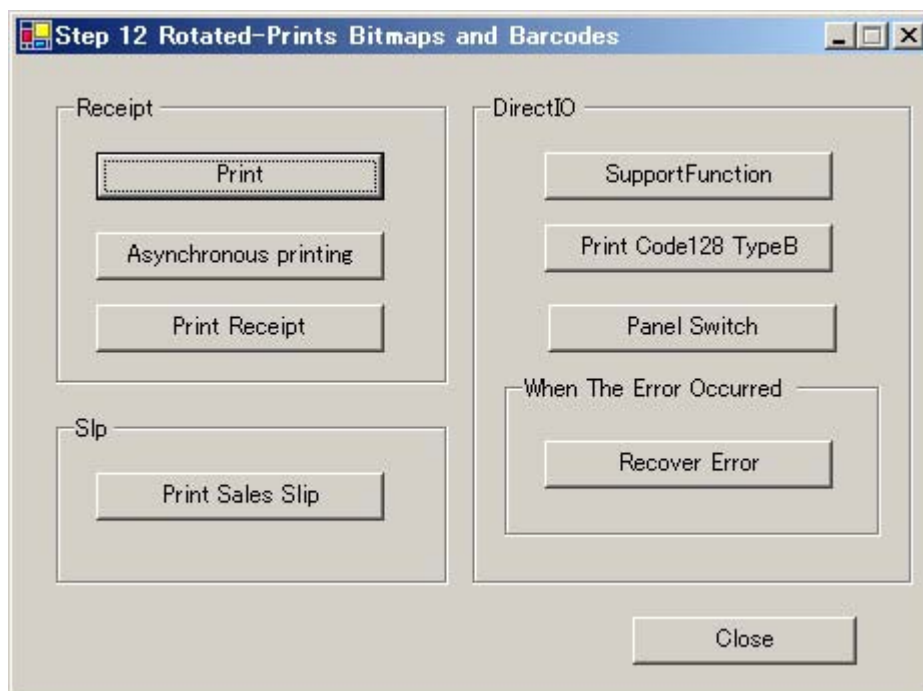
Gets a list of controls belonging to the device category used.

Generates a control based on the acquired list and logical device name.

3.3 POSPrinter

The POSPrinter sample program is described here.

The POSPrinter sample program comprises 16 steps. By way of example, step 12 is selected.



The processing performed by each button is described below.

[Print]

The example is printed on the receipt.

[Asynchronous printing]

By making the printing process asynchronous, the control is returned to the application even if the printing is not completed. Pay attention to the time indicated by the hourglass icon of the mouse cursor.

[Print Receipt]

The example is printed on the receipt.

[Print Sales Slip]

The sales slip is printed using the function for rotated printing of receipts.

[SupportFunction]

Checks the functions of the printer.

[Print Code128 TypeB]

Prints Code128 TypeB bar codes.

[Panel Switch]

Disables the panel switches.

[Recover Error]

Recovers from recoverable errors.

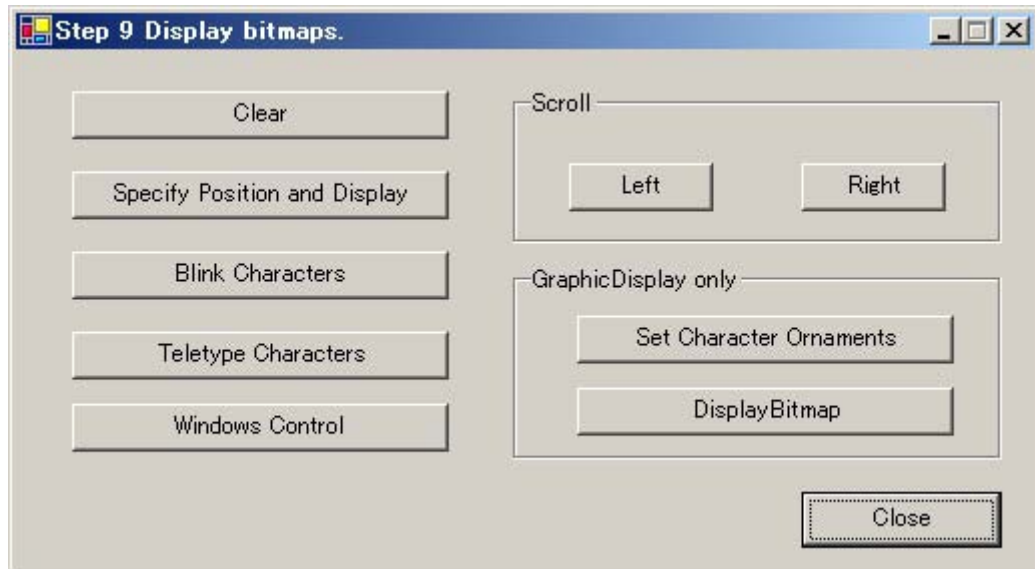
[Close]

Closes the program.

3.4 LineDisplay

The Line/GraphicDisplay sample program is described here.

The Line/GraphicDisplay sample program comprises 11 steps. By way of example, step 9 is selected.



The processing performed by each button is described below.

[Clear]

Clears the displayed contents.

[Specify Position]

Specifies and displays the position of characters.

[Blink Characters]

Displays blink characters.

[Teletype Characters]

Displays data one character at a time separated by a specified interval.

[Window Control]

Creates a window to display characters in the Marquee mode.

[Left]

Scrolls displayed characters from the right to the left.

[Right]

Scrolls displayed characters from the left to the right.

[Set Character Ornaments]

Ornaments characters using the escape sequence.

[Display Bitmap]

Displays an image.

[Close]

Closes the program.

3.5 CashDrawer

The CashDrawer sample program is described here.

The CashDrawer sample program comprises 4 steps. By way of example, step 3 is selected.



The processing performed by each button is described below.

[Open]

The drawer opens when this button is clicked.

[Status]

Indicates the current drawer condition (Open/Close).

[Power]

Indicates the current status of the drawer's power supply.

[Close]

Closes the program.

3.6 MICR

The MICR sample program is described here.

The MICR sample program comprises 6 steps. By way of example, step 5 is selected.

The data of check

RawData	
AccountNumber	
Amount	
BankNumber	
CheckType	
CountryCode	
EPC	
SerialNumber	
TransitNumber	

Insert Remove Print Exit

The processing performed by each button is described below.

[Raw Data]

Read data is displayed.

[Account Number]

Account number is displayed.

[Amount]

Amount is displayed.

[Bank Number]

Bank Number is displayed.

[CheckType]

Check type is displayed.

[Country Code]

Country code is displayed.

[EPC]

EPC (= Extended Processing Code) is displayed.

[Serial Number]

Serial number is displayed.

[Transmit Number]

Transit number is displayed.

[Insert]

Insert a check.

[Remove]

Remove a check.

[Print]

Print a confirming message on the back of the check. This function is valid only by the models which the POSPrinter and MICR united into one, and supports back printing.

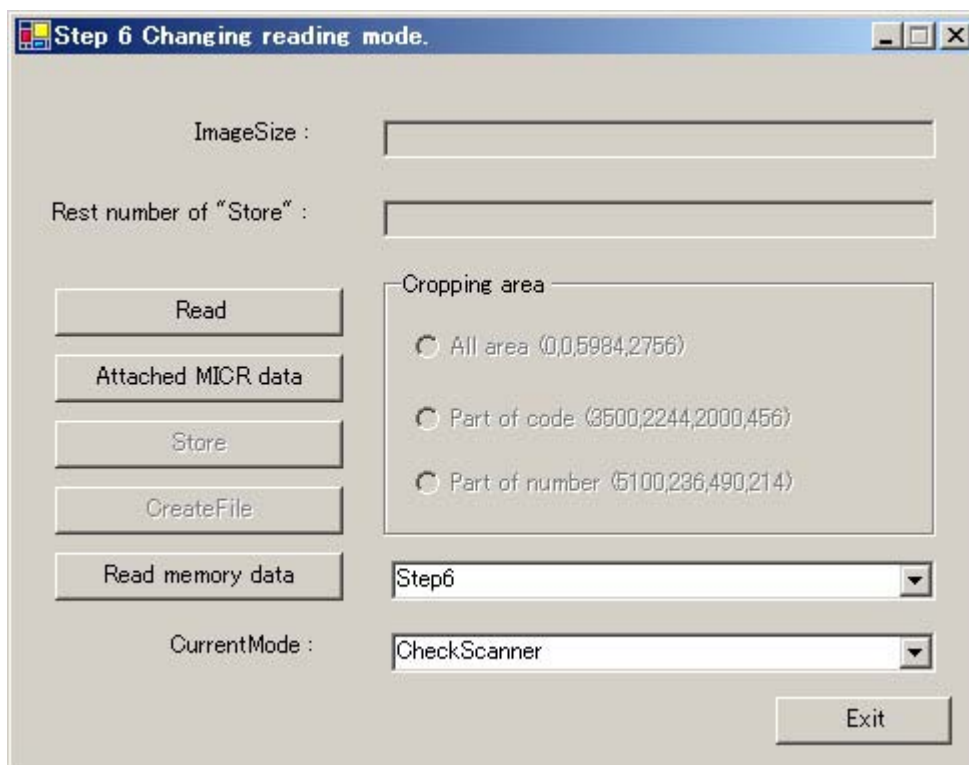
[Exit]

Closes the program.

3.7 CheckScanner

The CheckScanner sample program is described here.

The CheckScanner sample program comprises 7 steps. By way of example, step 6 is selected.



The processing performed by each button is described below.

[ImageSize]

The read data size is displayed.

[Reset number of "Store"]

Execute [Store] or [Read memory data] to display the remaining times where the store is available.

[Read]

Scans check in the tiff format.

If reading ends normally, the data size appears in "DataSize."

"Cropping area" is set to enable.

[Attached MICR data]

Reads MICR.

If reading ends normally, the data size appears in "ImageSize."

"Cropping area" is set to enable.

[Cropping area]

Specifies the reading area.

"All area" crops the whole area of the read check.

"Part of code" crops the code part of the read check.

"Part of number" crops the number part of the read check.

This function can be used when [Read] or [Attached MICR data] is completed normally; "All area" is selected by default.

The data size appears in "ImageSize."

[Store]

Saves the current data to the physical memory.

[Read memory data]

Restores the data of step displayed on the combo box.

Data once called is deleted.

If no data is stored, the "No data" message box appears.

The data size appears in "ImageSize".

[CreateFile]

Unless the check is scanned, it is set to Disable.

Stores the ImageData property of a check that is read as the last in a file in the current directory. (Look for other folders when it is not in current directory.) The file name must be "Step6.tif" in tiff format. The position of "6" differs in filename, depending on the Step for use.

[CurrentMode]

Changes to the reading mode indicated in the combo box.

[Exit]

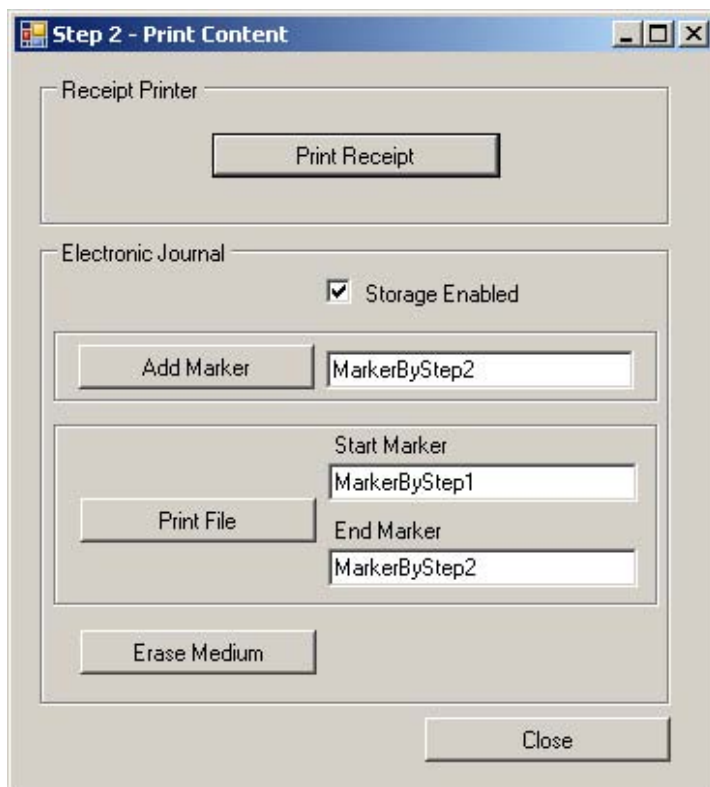
Closes the program.

3.8

Electronic Journal

The Electronic Journal sample programs are described here.

The Electronic Journal sample programs are comprised of 5 steps. Step 2 is selected as an example.



The meaning of each control is as follows:

[Print Receipt]

Print a receipt on the POSPrinter.

[Storage Enabled]

Enable the Electronic Journal storage.

[Add Marker]

Add a marker at the current position with the label indicated.

[Print File]

Print the data between the "Start Marker" and "End Marker".

[Erase Medium]

If this button is clicked, a dialog is displayed to confirm that the Electronic Journal data will be erased.

Note: When Erase Medium is executed, all the data that is connected to

the logical device name for which the Electronic Journal was created is erased. For this reason, a confirmation dialog is displayed.

If the [OK] button is clicked, all data saved in the Electronic Journal is deleted, and the dialog is closed.

If the [Cancel] button is clicked, no data is deleted, and the dialog is closed.

[Close]

Closes the program.