

EPSON

EPSON OPOS ADK MANUAL

Installer Manual

Installer

Version 2.10 May 2001

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Section 1. Development Outline

This section describes development outline for the EPSON OPOS ADK.

1.1. Features

EPSON OPOS ADK offers standardized API functions that interface with peripherals used in POS systems through OLE controls that can be run in Visual Basic , operating on the Windows 95, Windows 98, Windows NT4.0, or Windows 2000 platforms. Through these standardized API functions, you can develop powerful, open POS systems easily.

1.2. Operating Environment

The EPSON OPOS ADK operates under the following environment.

- Computer Hardware
 - IBM PC/AT or compatible
- Operating Systems
 - Windows95 Standard, OSR2.5
 - Windows 98 Second Edition,
 - Windows NT 4.0 SP5, SP6
 - Windows 2000
- Accessible Serial Ports
 - COM1, COM2, COM3, COM4 (extended port functions allow use of COM5 though COM10)
- Accessible Parallel Ports
 - LPT1, LPT2, LPT3 (operation is unverified in LPT3)
- Accessible USB ports
 - USB equipment must be connected to the IBM PC/AT compatible machines that are equipped with USB connectors or use USB expansion cards (however, the operating system must be the English version of Windows 98 (second edition recommended) or Windows2000 when USB is used.)
 - If the USB device cannot be identified when an IBM PC/AT compatible

machine equipped with a USB connector is in use (especially for machines put on the market prior to the English version of Windows 98 being available), contact the manufacturer.

- Accessible Network

Ethernet support applies to TCP/IP compliant networks.

The setup of a compliant network should be handled by a qualified network administrator.

- Supported Languages

Microsoft Visual Basic Version 5.0 or above

Microsoft Visual C++ Version 5.0 or above

- Accessible Devices

Line Displays:

EPSON DM-D101/102/105/106/110

EPSON DM-D202/203/205/206/210

EPSON DM-D102U/106U/203U/206U/110U/210U (USB)

EPSON DM-D500

EPSON DM-D500U(USB)

EPSON DM-D102-015/106-115 (For IM-300/IM-310

(EPSON IR))

EPSON DM-D106-315 (For IM-300/IM-310(EPSON IR))

MICR:

EPSON TM-H5000II with MICR

EPSON TM-H5000IIP with MICR

EPSON TM-H5000IIU with MICR (USB)

EPSON TM-H5000IIE with MICR (Ethernet)

EPSON TM-H6000 with MICR

EPSON TM-H6000P with MICR

EPSON TM-H6000U with MICR (USB)

EPSON TM-H6000E with MICR (Ethernet)

EPSON TM-U675 with MICR

EPSON TM-U675P with MICR

EPSON TM-U675U with MICR (USB)

EPSON TM-U675E with MICR (Ethernet)
EPSON TM-U950 with MICR
EPSON TM-H6000II with MICR
EPSON TM-H6000IIP with MICR
EPSON TM-H6000IIU with MICR (USB)
EPSON TM-H6000IIE with MICR (Ethernet)

POS Printers:

EPSON RP-U420
EPSON RP-U420P
EPSON TM-295
EPSON TM-295P
EPSON TM-300A
EPSON TM-300B
EPSON TM-300C
EPSON TM-300D
EPSON TM-H3000R (For IM-300/IM-310(EPSON IR))
EPSON TM-H5000II
EPSON TM-H5000IIP
EPSON TM-H5000IIU (USB)
EPSON TM-H5000IIE (Ethernet)
EPSON TM-H5000IIM
EPSON TM-H5000IIPM
EPSON TM-H5000IIMU (USB)
EPSON TM-H5000IIME (Ethernet)
EPSON TM-H6000
EPSON TM-H6000P
EPSON TM-H6000U (USB)
EPSON TM-H6000E (Ethernet)
EPSON TM-H6000M
EPSON TM-H6000PM
EPSON TM-H6000MU (USB)
EPSON TM-H6000ME (Ethernet)
EPSON TM-H6000II
EPSON TM-H6000IIP
EPSON TM-H6000IIU (USB)

EPSON TM-H6000IIE (Ethernet)
EPSON TM-J8000
EPSON TM-J8000P
EPSON TM-J8000U (USB)
EPSON TM-J8000E (Ethernet)
EPSON TM-J2000/TM-J2100
EPSON TM-J2000P/TM-J2100P
EPSON TM-J2000U/TM-J2100U (USB)
EPSON TM-J2000E/TM-J2100E (Ethernet)
EPSON TM-L60II
EPSON TM-L60IIP
EPSON TM-T88II
EPSON TM-T88IIP
EPSON TM-T88IIU (USB)
EPSON TM-T88IIE (Ethernet)
EPSON TM-T88IIM
EPSON TM-T88IIPM
EPSON TM-T88IIMU (USB)
EPSON TM-T88IIME (Ethernet)
EPSON TM-T88IIR (For IM-300/IM-310(EPSON IR))
EPSON TM-T88IIRM (For IM-300/IM-310(EPSON IR))
EPSON TM-T90
EPSON TM-T90P
EPSON TM-T90U (USB)
EPSON TM-T90E (Ethernet)
EPSON TM-L90
EPSON TM-L90P
EPSON TM-L90U (USB)
EPSON TM-L90E (Ethernet)
EPSON TM-U200B
EPSON TM-U200BP
EPSON TM-U200BE (Ethernet)
EPSON TM-U200D
EPSON TM-U200DP
EPSON TM-U200DE (Ethernet)
EPSON TM-U210A

EPSON TM-U210AP
EPSON TM-U210AU (USB)
EPSON TM-U210AE (Ethernet)
EPSON TM-U210AM
EPSON TM-U210APM
EPSON TM-U210AMU (USB)
EPSON TM-U210AME (Ethernet)
EPSON TM-U210AR (For IM-300/IM-310 (EPSON IR))
EPSON TM-U210ARM (For IM-300/IM-310 (EPSON IR))
EPSON TM-U210B
EPSON TM-U210BP
EPSON TM-U210BE (Ethernet)
EPSON TM-U210D
EPSON TM-U210DP
EPSON TM-U210DE (Ethernet)
EPSON TM-U210DM
EPSON TM-U210DPM
EPSON TM-U210DMU (USB)
EPSON TM-U210DME (Ethernet)
EPSON TM-U230
EPSON TM-U230P
EPSON TM-U230U (USB)
EPSON TM-U230E (Ethernet)
EPSON TM-U230M
EPSON TM-U230PM
EPSON TM-U230MU (USB)
EPSON TM-U230ME (Ethernet)
EPSON TM-U325
EPSON TM-U325P
EPSON TM-U325U (USB)
EPSON TM-U325E (Ethernet)
EPSON TM-U375
EPSON TM-U375P
EPSON TM-U590
EPSON TM-U590P
EPSON TM-U590U (USB)

EPSON TM-U590E (Ethernet)
EPSON TM-U590M
EPSON TM-U590PM
EPSON TM-U590MU (USB)
EPSON TM-U590ME (Ethernet)
EPSON TM-U675
EPSON TM-U675P
EPSON TM-U675U (USB)
EPSON TM-U675E (Ethernet)
EPSON TM-U675M
EPSON TM-U675PM
EPSON TM-U675MU (USB)
EPSON TM-U675ME (Ethernet)
EPSON TM-U950
EPSON TM-U950P

Cash Drawer:

Standard Cash Drawer for TM series (Serial, Parallel, USB,
Ethernet)
Multi_A Cash Drawer (2 Drawer) (Serial, Parallel, USB,
Ethernet)
Multi_B Cash Drawer (2 Drawer) (Serial, Parallel, USB,
Ethernet)

Hard Totals:

EPSON IM-505 NVRAM
EPSON IM-515 NVRAM
EPSON IM-300 NVRAM (For IM-300(EPSON IR))
EPSON IM-310 NVRAM (For IM-310(EPSON IR))
EPSON IM-310 CompactFlash (For IM-310(EPSON IR))
EPSON IM-600 CompactFlash (For IM-600(EPSON IR))

MSR:

DM-MR111-012 (For IM-300/IM-310(EPSON IR))
DM-MR111-013 (For IM-300/IM-310(EPSON IR))
DM-MR123 (For IM-300/IM-310(EPSON IR))

DM-MS123 (For IM-600(EPSON IR))

Keylock:

IM-300 (For IM-300(EPSON IR))

IM-310 (For IM-310(EPSON IR))

1.3. Necessary System Components

In order to develop an application using OPOS API, the following hardware and software are necessary.

- Computer Body Parts
IBM PC/AT Interchange Machine
- Operating System
Windows 95, Windows 98, Windows NT Ver4.0, and Windows 2000
- Floppy Disk Drive
One or more floppy disc drives
- Hard Disk, Memory
At least 10M bytes hard disk capacity is needed except for recommended blank capacity of using OS (Windows 95, Windows 98, Windows NT 4.0, Windows 2000).

- Disks

Please confirm that your package contains all the following items.

Install Disks:

EPSON OPOS ADK Installation Disk x

These disks include software, manuals and sample programs.

Sample Programs:

EPSON OPOS ADK Install Disk contains practical sample program guides using common API for each device. The method for use is described on the sample program guide. Please copy onto the hard disk as necessary.

Manuals:

On-line manuals are included on EPSON OPOS ADK Disk.

USER'S GUIDE

Information on EPSON OPOS ADK installation and setup.

APPLICATION DEVELOPMENT GUIDE

Programming examples and explanations of factors governing of peripherals. The *Application Development Guide* is divided into common subjects and device subjects. The common subjects portion contains general information about OPOS and device classes. The device subjects portion contains information about specific devices. Please refer to common

subjects and device subjects for the device being used.

SAMPLE PROGRAM GUIDE

Contains outlines, detailed explanations, and notes on the sample program included on the EPSON OPOS ADK.

Section 2. Installation

Running the EPSON OPOS ADK Installer program can perform all the processing required for installation of the EPSON OPOS ADK. To ensure optimal use of the OPOS, various functions are offered during installation. Please read this manual for details.

When installing or reinstalling, first ensure that all running application programs are closed; both those use the OPOS files as well as any other applications.

After installing of EPSON OPOS ADK, it is necessary to confirm the setup, such as port and device settings. For details, please refer to User's Manual Section 4, "SetupPOS Utility".

The EPSON OPOS ADK install program is explained in the following.

2.1. Features of the Installer

This Installer is created using InstallShield 5.5.

The Installer performs the following operations:

- Specifies the destination directory for installation
- Specifies the destination start menu folder for installation
- Specifies the initial settings for OPOS
- Specifies REG files
- Installation type
 - Full installation (all)
 - Custom installation
 - Selection of device class units
 - Selection of CCO/CO
- Uninstallation type
 - Full uninstallation (all)
 - Custom uninstallation
 - Selection of device class units
- Restoration of OPOS environment using REG files
- Inheritance of information from previous version
- Add-in (Service Pack compatible)
- Silent mode installation/uninstallation

2.2. Explanation of Installer Disks

There are multi Installer disks. Swap the disks in accordance with the installation procedure.

When installing from CD-ROM, disk swapping is not needed.

2.3. System Files Necessary for Installation

When register DLL and OCX files for use, system files for the following versions or higher are required for installation. The Installer checks in advance for these files, which depend on the machine on which they are installed, and it copies the necessary versions to the System folder under the Windows directory. At this point, please note that if any of the already existing files mentioned below are marked as read-only, they cannot be copied.

MFC42.DLL	Version 6.00.8168.0 *Copyright © Microsoft Corp. 1993-1998
MSVCRT.DLL	Version 6.00.8168.0 *Copyright © Microsoft Corp. 1981-1998
OLEAUT32.DLL	Version 2.40.4275 *Copyright © Microsoft Corp. 1993-1998
STDOLE2.TLB	Version 2.40.4275 * Copyright © Microsoft Corp. 1993-1998
OLEPRO32.DLL	Version 5.0.4275 * Copyright © Microsoft Corp. 1993-1998
COMCTL32.DLL*1	Version 5.80.2614.3600 * Copyright © Microsoft Corp. 1981-1999

*1: Executing 50Comupd.exe provides COMCTL32.DLL.

COMCTL32.DLL is redistributed to a separate disk as well as the DLL installer, 50Comupd.exe. During the OPOS install, the Version of the above DLL will be checked. If it does not exist, OPOS installer will exit. Installer can be resumed following running the DLL update, 50Comupd.exe.

2.4. Installation

The installation procedure is described below.

Install the EPSON TM USB Driver (EPSON USB controller for TM printer series) prior to installation when the USB POSPrinter, LineDisplay and CashDrawer are to be used.

It will not be possible to install the USB OPOS information if the EPSON TM USB driver is not previously installed.

Also, use the Windows 98 Second Edition or Windows 2000 when EPSON OPOS USB devices are to be used. For the EPSON TM USB Driver, please see User's Manual Section 5 "EPSON TM USB Driver".

2.4.1. First Installation

<Installation Procedure>

- (1) Run the SETUP.EXE program on disk 1.
If Setup is executed with other programs' running, its operation is not guaranteed. It is suggested to close all programs before executing Setup. Startup of the Setup program may take some time.
- (2) The "Welcome" dialog is displayed.
Read the contents and then select the Next button if agreed with the contents.
- (3) The "Software License Agreement" dialog is displayed.
To install the EPSON OPOS ADK, the user must agree to the contents of the displayed agreement. Read the contents and then select the Yes button if agreed to the Software License Agreement.
If the Software License Agreement is not acceptable, then select No. The Installer program then closes.
Select the Back button to return to the previous dialog box.
- (4) The "Select Registry File" dialog box is displayed.
Select "Use Registry File" to use the REG file. Enter the full path REG file name after the text box is enabled. The default value is "A:\OPOSDATA.reg". Then, select the Next button. Press the Browse button to specify the folder name that includes the REG file.
The REG file is a file for restoring information related to EPSON OPOS ADK. Use the SetupPOS utility to create this file. If an improper Registry File is selected, an error message will be displayed and it will not be possible to move to the next dialog box. Follow the directions of the error message and confirm that the Registry File is correct. When the Registry File is set correctly, subsequent information can be referred from the Registry File.
Select the Back button to return to the previous dialog box.
- (5) The "User Information" dialog box is displayed.
Enter your name and company name. The Next button does not become valid unless both are entered.
If this information has already been registered in the machine, this information is displayed. If the Registry File is specified, this information is referred from the Registry File.
When the information has been entered, select the Next button.
Select the Back button to return to the previous dialog box.
If the Back button is selected, the set contents will be canceled.
- (6) The "Choose Installation Destination" dialog box is displayed.

The directory that has already been set in the default is displayed.

The default directory is Windows/Program Files/OPOS/Epson2. If the Registry File is specified, this information is referred from the Registry File. Ordinarily, the default location should be used.

In order to change the directory, display the directory change screen with the Browse button and select the desired directory.

After confirming or changing the directory, select the Next button.

Select the Back button to return to the previous dialog box.

If the Back button is selected, the directory you have set will not be retained. When the Next button is pressed, if EPSON OPOS ADK has already been installed in the specified directory by another configuration or language, an error message is displayed and the setting is not accepted. Change the destination or check the EPSON OPOS ADK that has already been installed.

- (7) The “Select Install Module” dialog box is displayed.

Select a module to be installed. Selectable modules are “Software (OPOS ADK)”, “Sample”, and “Manual”. After selecting a module, press the Next button. Select the Back button to return to the previous dialog box.

- (8) The “Select CO Type” dialog box is displayed.

Select the CO that has a priority for registration. The CO registered here will be valid for all devices. (If neither CO nor CCO is registered, specify it using the next “Install Type” dialog box. On this screen, one of the two items must be selected.)

When the type is decided, select the Next button.

Select the Back button to return to the previous dialog box.

- (9) The “Install Type” dialog is displayed.

Select full or custom installation.

For a description of full installation and custom installation, see Section 2.6, Types of Installation. If custom installation is selected here, the “Select Components” dialog box is displayed. Select the necessary components.

If neither CO nor CCO is registered, clear the check for Used CO displayed on the right side of the Window. This must be set in each device. This setting enables the users to specify the CO/CCO in each device.

Select the Next button to go to the next dialog box. Select the Back button to return to the previous dialog box.

- (10) The “Select Program Folder” dialog box is displayed.

The previously decided folder name is displayed in “Program Folder”. If the Registry File is specified, this information is referred from the Registry

File.

Ordinarily, default values should be used. The folder name can be changed, or an existing folder can be selected, but if an existing folder is used, please select it only after obtaining an understanding of the folder's attributes. If the OS being used is Windows NT 4.0 or Windows 2000, the folder must have COMMON attributes.

To go to the next dialog box, select the Next button.

Select the Back button to return to the previous dialog box.

If the Back button is selected, the set folder name will be canceled.

- (11) The "Start Copying Files" dialog box is canceled.

This dialog box shows the information that has already been set. Confirm the contents and select the Next button.

Select the Back button to return to the previous dialog box.

- (12) Copying of files, registration of DLL and OCX, and setting the registry begins. It may take a few minutes for all the operations to be completed. The Cancel button works at this point, but do not press the Cancel button unless there is a particular reason. Operation after pressing the Cancel button is not guaranteed. If pressed, be sure to perform a reinstallation.

- (13) When all the operations are completed, the "Setup Complete" dialog box is displayed.

Select in the check box whether or not to display the release notes on the installed EPSON OPOS ADK. It is strongly recommended to read the notes.

- (14) Installation is completed. The SetupPOS utility starts up. Confirm the settings in accordance with the setup described in User's Manual Section 4.

2.4.2. Overwriting Installation

2.4.2.1. Overwriting Version 2.xx by Version 2.xx

When performing an overwrite installation, user information, specified installation destination, and specified program folder in the previous installation will remain effective. This information cannot be changed.

If an older version (Version 2.xx) of EPSON OPOS ADK is already installed, when you try to install the new version, Add-in Install starts. In this case, only the installed devices and files are overwritten. For details see Section 2.11, Add-in Functions (Service Pack).

<Installation Procedure>

- (1) Run the SETUP.EXE program on disk 1.

Before running SETUP.EXE, close any programs already running. Otherwise, installation may fail. It takes some time for Setup to start. Wait a while.

- (2) The “Welcome” dialog is displayed.
Read the contents and then select the Next button if you agree with the contents.
- (3) The “ Information” is displayed.
This dialog box displays information on the settings of the already installed EPSON OPOS ADK. Confirm the contents of the list and select the Next button if the contents are satisfactory.
- (4) The “Software License Agreement” dialog is displayed.
To install the EPSON OPOS ADK, you must agree to the contents of the displayed agreement. Read the contents and then select the Yes button if the Software License Agreement is acceptable.
If the Software License Agreement is not acceptable, then select No. The Installer program then closes.
Select the Back button to return to the previous dialog box.
- (5) The “Select Registry File” dialog is displayed.
Select “Not Use Registry File” when the REG file is not used. Then select the Next button.
Select “Use Registry File” to use the REG file. Enter the full path REG file name after the text box is enabled. The default value is “A:¥OPOSDATA.reg”. Then, select the Next button.

The REG file is a file for restoring information related to EPSON OPOS ADK. Use the SetupPOS utility to create this file.
If an improper Registry File is selected, an error message will be displayed and it will not be possible to go to the next dialog box. Follow the directions of the error message and confirm that the Registry File is correct. When the Registry File is set correctly, subsequent information can be referred from the Registry File. In case of overwriting installation, the Registry File information will have priority; not the previous installation information.
Select the Back button to return to the previous dialog box.
- (6) The “Select Install Module” dialog box is displayed.
Select a module to be installed. Selectable modules are “Program Files”, “Samples”, and “Manuals”. After selecting a module, press the Next button.
Select the Back button to return to the previous dialog box.
- (7) The “Select CO Type” dialog box is displayed.
Select the CO that has a priority for registration. The CO registered here will be valid for all devices. (If neither CO nor CCO is registered, specify it

using the next “Install Type” dialog box. On this screen, one of the two items must be selected.) When the CO you want to register differs from the registered CO, release the registered CO after starting copying file. When the type is decided, select the Next button.

Select the Back button to return to the previous dialog box.

- (8) The “Install Type” dialog is displayed.

Select full or custom installation.

For a description of full installation and custom installation, see Section 2.6, Types of Installation. If custom installation is selected, the “Select Components” dialog box is displayed. Select the necessary components. If neither CO nor CCO has been registered, select the Change button.

The “Select Sub-components” dialog box is displayed.

Clear both the CO and CCO components, and then select the Next button.

The “Install Type” dialog box is displayed again. Using this method allows the CO/CCO to be set for each device.

To go to the next dialog box, select the Next button.

Select the Back button to return to the previous dialog box.

- (9) The “Start Copying Files” dialog box is displayed.

This dialog box shows the information that has already been set. Confirm the contents and select the Next button.

Select the Back button to return to the previous dialog box.

- (10) Copying of files, registration of DLL and OCX, and setting the registry

begins. It may take a few minutes for all the operations to be completed.

The Cancel button works at this point, but do not press the Cancel button unless there is a particular reason.

Operation after pressing the Cancel button is not guaranteed. If pressed, be sure to perform a reinstallation.

- (11) When all the operations are completed, the “Setup Complete” dialog box is displayed.

Select in the check box whether or not to display the release notes on the installed EPSON OPOS ADK. It is strongly recommended to read the notes.

- (12) Installation is complete. The SetupPOS utility starts up. Confirm the settings in accordance with the setup described in User’s Manual Section 4.

2.4.2.2. Overwriting Version 1.xx by Version 2.xx

EPSON OPOS ADK Version 1.xx can be overwritten only by Version 2.xx. The Version 2.xx overwrites all the components of the Version 1.xx.

When performing an overwrite installation, user information, specified installation destination, and specified program folder in the previous installation will remain effective. This information cannot be changed.

<Installation Procedure>

(1) to (7) are the same as those described in Section 2.4.2.1 "Overwriting Version 2.xx by Version 2.xx."

When overwriting Version1.xx by Version2.xx, specified information such as Information dialog, Chose Installation Destination dialog, and Select Program Folder dialog is inherited from Version 1.xx. Cannot be modified.

(8) The "Install Type" dialog is displayed.

Select full or custom installation.

When selecting the custom installation, specify all the devices installed by Version 1.xx.

For a description of full installation and custom installation, see Section 2.6, Types of Installation. If custom installation is selected, the "Select Components" dialog box is displayed. Select the necessary components. If neither CO nor CCO is registered, clear the check for Used CO displayed on the right side of the Window. This must be set in each device. This setting enables the users to specify the CO/CCO in each device.

To go to the next dialog box, select the Next button.

Select the Back button to return to the previous dialog box.

(9) The "Start Copying Files" dialog box is displayed.

This dialog box shows the information that has already been set. Confirm the contents and select the Next button.

Select the Back button to return to the previous dialog box.

(10) Copying of files, registration of DLL and OCX, and setting the registry begins. During the copying, the confirmation message "Inherit the previous version information?" is displayed. When overwriting, be sure to select Yes. This ensures that the device information set in Version 1.xx can be used by Version 2.xx. It may take a few minutes for all the operations to be completed.

The Cancel button works at this point, but do not press the Cancel button unless there is a particular reason. Operation after pressing the Cancel button is not guaranteed. If pressed, be sure to perform a reinstallation.

(11) When all the operations are completed, the "Setup Complete" dialog box is displayed.

Select in the check box whether or not to display the release notes on the installed EPSON OPOS ADK. It is strongly recommended to read the

notes.

(12) Installation is completed. The SetupPOS utility starts up. Confirm the settings in accordance with the setup described in User's Manual Section 4.

(13) After performing the above procedures, it is possible to uninstall Version 1.xx. To uninstall Version 1.xx, use the uninstaller provided with Version 2.xx.

* Do not use the Version 1.xx uninstaller after installing the Version 2.xx.

2.4.2.3. Coexisting Installation

Coexistence implies that the devices of Version 1.xx and the devices of Version 2.xx can operate simultaneously. However, the following restrictions exist. It is preferable to use Version 2.xx only.

<Restrictions on coexistence>

Hydra settings devices on the same port cannot coexist and be shared between versions.

(Example) Version 1.xx : Printer, Display, Drawer are hydra settings.
 Version 2.xx : When only printer is intended installed.

In this case, all the settings cannot be inherited as they are unless Printer, Display and Drawer are also installed in Version 2.00. Only the printer information is inherited, and the device settings for Display and Drawer are deleted.

It is also possible for devices with shared keyboard interface to coexist and be shared by different versions.

(Example) Version 1.xx : MSR, Keylock.
 Version 2.xx : When only Keylock is intended installed.

In this case, all the settings cannot be inherited as they are unless both Keylock and MSR are also installed in Version 2.00. Only the MSR information is inherited, and the device settings for Keylock are deleted from both versions.

The restrictions apply to the following devices.

COM hydra : Printer, Display, Drawer, MICR
 Keyboard hydra : MSR, Keylock

<Installation Procedure>

(1) to (7) are the same as those described in Section 2.4.2.1 "Overwriting Version 2.xx by Version 2.xx".

(8) The "Install Type" dialog is displayed.

Select full or custom installation.

When custom installation is selected, it is possible to specify only the devices that should be used in Version 2.xx. When choosing this option, be sure that you fully understand the restrictions on information inheritance before making the specifications.

For a description of full installation and custom installation, see Section 2.6, Types of Installation. If custom installation is selected, the "Select Components" dialog box is displayed. Select the necessary components. If neither CO nor CCO is registered, clear the check for Used CO displayed on the right side of the Window. This must be set in each device. This setting enables the users to specify the CO/CCO in each device.

To go to the next dialog box, select the Next button.

Select the Back button to return to the previous dialog box.

(9) The "Start Copying Files" dialog box is displayed.

This dialog box shows the information, which has already been set.

Confirm the contents and select the Next button.

Select the Back button to return to the previous dialog box.

(10) Copying of files, registration of DLL and OCX, and setting the registry begins. During the copying, the confirmation message "Inherit the previous version information?" is displayed. When overwriting, be sure to select yes. This ensures that the device information set in Version 1.xx can be used by Version 2.xx. It may take a few minutes for all the operations to be completed.

The Cancel button works at this point, but do not press the Cancel button unless there is a particular reason. Operation after pressing the Cancel button is not guaranteed. If pressed, be sure to perform a reinstallation.

(11) When all the operations are completed, the "Setup Complete" dialog box is displayed.

Select in the check box whether or not to display the release notes on the installed EPSON OPOS ADK. It is strongly recommended to read the notes.

(12) Installation is completed. The SetupPOS utility starts up. Confirm the settings in accordance with the setup described in User's Manual Section 4.

2.5. Files to be installed

The following files are installed when the installation is normally completed.

- Software

These files are installed in the directory where the EPSON OPOS ADK is installed. Software files such as CO, SO, utilities, and device information files are included in this directory. To install these files, select "Software" in the "Select Install Module" dialog box at installation.

- Program files

These files are installed in the Include folder under the folder where the EPSON OPOS ADK is installed. Files necessary for the OPOS such as C++ header file, VB header file, and TLB file for CO are included in this directory. To install these files, select "Program files" in the "Select Install Module" dialog box at installation.

- Sample

These files are installed in the Sample folder under the folder where the EPSON OPOS ADK is installed. Sample programs for VC++ and VB are included in this directory. To install these files, select "Sample" in the "Select Install Module" dialog box at installation.

- Manuals

These files are installed in the Manual folder under the folder where the EPSON OPOS ADK is installed. The User's Guide and Application Guide are included in this directory. To install these files, select "Manuals" in the "Select Install Module" dialog box at installation.

2.6. Types of Installation

There are two types of installation: full and custom.

Select the type in the "Install Type" dialog.

- Full installation

Full installation installs all the supported devices. For supported devices, read the release notes included in the Installer disks.

- Custom installation

Custom installation installs selected devices from the supported devices. Selectable units are device classes. If selecting custom installation in the "Install Type" dialog, the "Select Components" dialog appears. The displayed list shows the devices that can be installed. Check only the devices that you want to install.

2.7. CO Registration

Both CCO and EPSON CO can be installed and registered in EPSON OPOS ADK. In addition, you can also choose to register neither of the two, and thus it becomes possible to use the COs of a previous version or from another company.

When using multiple COs in this way, please note the following precautions.

(When application is created with VB)

(1) Pasting control on form by adding VB component

In this case, character strings applicable to the CO type library is displayed in the component dialog box.

As this character strings is an individual string, it is possible to select the CO to be actually used. If multiple COs are registered, select the CO that you want to use from the list of components.

(2) Creating CO by specifying Program ID using Create Object

In this case, specifies the program ID of the CO.

The program ID is character strings determined by the OPOS specifications.

In the case of the CO of a POSPrinter, it is to be "OPOS.POSPrinter".

If multiple COs of the same device class have been registered, the latest one is created.

If this method is used, it is also necessary to pay attention to the order of the registrations of COs.

(3) Creating CO using WithEvents

In this case, it is not possible to create "as Object"; it is necessary to create it "as Class Name".

The CO Class Name may be the same or different.

Before declaring a variable using WithEvents, components are selected using method (1), and the components selected in the component dialog box can be used.

2.8. INI Files

The INSTALL.INI file contains information copied to the directory that is specified by the installation program. Also, SETUP.INI is a file referred by SETUP.EXE. Make sure these file are always in the same directory as the SETUP.EXE file. Please do not edit these files. If modified, the operation is not guaranteed.

2.9. System Setup Files

There is no need for the user to edit any system files (AUTOEXEC.BAT, CONFIG.SYS, SYSTEM.INI).

2.10. Installation Using the Registry File

Used when a user wants to restore an environment created on one PC to another PC. When the various settings are made with the SetupPOS utility, this information is retained in the registry. With the SetupPOS utility, only the information necessary for the registry is stored in a file. By specifying this file with the Installer, it is possible to restore the same environment.

To use this function, follow the procedure described below.

The originally created environment is called the "main PC", and the environment that you want to reconstruct is labeled as the "target PC".

<Procedure>

- (1) Install the EPSON OPOS ADK in the main PC, and set the necessary information and the various devices using the SetupPOS utility.
Use the SetupPOS utility to save the registry. At this point, pay attention to the following and create the files.

- Specify "Register All".

- (2) Perform installation on the target PC.

At this point, the following two methods are available. Select the method that suits the environment.

- Installation using the normal installation method.
- Installation using the silence installation method.

For the normal installation method, perform the procedures described in 2.4 "Installation". For installation using the silence installation method, see section 2.12 "Silence Install."

When installing on the target PC, specify the registry file saved in procedure (1).

<Restrictions>

- The Registry File must be created using the SetupPOS utility.
- It is a prerequisite that the Registry File contains the same version information as the version to be installed, or the same information as the installed environment.
- When a registry file is specified using the installer User Interface, install components are not determined automatically. Desired components should be selected using the installer User Interface.

- Inheritance of Registry File information is not possible.
- When using USB port connection, the ports numbers may differ between the main PC and target PC. The automatic USB setup function is used to automatically reset the port numbers to match the target PC. There are several restrictions that effect the function of the automatic USB setup. If an USB port connection is used, refer to User's Manual 4.3.2 "Using the USB AutoSetup wizard". The user interface is not displayed due to the silence function. (It may be displayed if the silence function is not correctly recognized.)

2.11. Add-in Functions (Service Pack)

The add-in function is a package containing only the required items needed for up-dating and denotes the function that installs the service pack. To use the service pack, the base version must already be installed (This is called base version.). A service pack may be made available when devices are added or some kind of update becomes necessary after the release of the base version. For the latest service pack, please consult the manufacturer.

When you install the service pack, the registry information before the service pack has been installed is saved as a file in the destination folder for installation (file name: "OposReg.reg"). Use this registry file for silence installation of the base version to the target PC.

This function is also used when you overwrite an older version (Version 2.xx) of EPSON OPOS ADK with a new version. In this case, the installed devices or the files only are all updated.

<Procedure>

- (1) Run the SETUP.EXE file on the service pack disk.

If Setup is executed with other programs' running, its operation is not guaranteed. It is suggested to close all programs before executing Setup. Startup of the Setup program may take some time.

- (2) Message display before the installation.

Before the installation, a message about the installed devices or files appears.

For service pack:

If a device included in the service pack is not installed, a warning message appears. This is because devices cannot be added after installing the service pack. (Refer to <Restrictions> below for details.)

To overwrite Version 2.xx with a new version:

If the devices and files included in the new version are not installed, a prompt message appears. All devices or files not listed in the message will

be overwritten. To install other files, run the installation again after the update.

Select [Yes] to continue. Select [No] to cancel the installation.

- (3) The "Welcome" dialog is displayed.

Read the contents and then select the Next button if you agree with the contents.

- (4) The "Software License Agreement" dialog is displayed.

To install the EPSON OPOS ADK, you must agree to the contents of the displayed agreement. Read the contents and then select the Yes button if you agree to the conditions of the agreement.

If you do not accept the conditions of the agreement then select No. The Installer program then closes.

- (5) The "Information List" dialog is displayed.

Information of the installed EPSON OPOS ADK is displayed. Confirm the contents, and then select the Next button if the contents are acceptable.

- (6) The "Select Registry File" dialog box is displayed.

Select "Not Use Registry File" when the REG file is not used. Then select the Next button.

Select "Use Registry File" to use the REG file. Enter the full path REG file name after the text box is enabled. The default value is "A:\OPOSDATA.reg". Then, select the Next button. Press the Browse button to specify the folder name that includes the REG file.

The REG file is a file for restoring information related to EPSON OPOS ADK. Use the SetupPOS utility to create this file.

If an improper Registry File is selected, an error message will be displayed and it will not be possible to go to the next dialog box. Follow the directions of the error message and confirm that the Registry File is correct. When the Registry File is set correctly, subsequent information can be referred from the Registry File. When installing by overwriting, the Registry File information will have priority over the installation information of the previous installation.

Select the Back button to return to the previous dialog box.

- (7) The "Select Installation Module" dialog box is displayed.

Select a module to be installed. Selectable modules are "Program Files", "Samples", and "Manuals".

Installed modules cannot be selected.

After selecting a module, press the Next button. Press the Back button to go back to the previous dialog box.

- (8) The "Start Copying Files" dialog box is displayed

The dialog box shows the information which has already been set. Confirm the contents and select the Next button.

Select the Back button to return to the previous dialog box.

- (9) Copying of files, registration of DLL and OCX, and setting the registry begins. It may take a few minutes for all the operations to be completed. The Cancel button works at this point, but do not press the Cancel button unless there is a particular reason. Operation after pressing the Cancel button is not guaranteed. If pressed, be sure to perform a reinstallation.
- (10) When all the operations are completed, the "Setup Complete" dialog box is displayed. Select in the check box whether or not to display the release notes on the installed EPSON OPOS ADK. It is strongly recommended to read the notes.
- (11) Installation is completed. The SetupPOS utility starts up.

<Restrictions>

- Be sure to install the base version before installing the service pack.
- As long as the service pack version number is higher than already installed service packs it can be installed without installing intermediate service packs. For instance, it is possible to add-in Service Pack 3 directly to the base version. It is not necessary to first add-in Service Pack 1 or 2.
- It is not possible to install a Service Pack version older than the one currently installed.
For instances; after Service Pack 3 has been installed, it is not possible to install Service Pack Version 1 or 2.
- The base version cannot be overwritten after installing the service pack. Also, the service pack alone cannot be uninstalled. In other words, after the service pack is installed, Later installations of additional devices is not possible. Be sure to reinstall or overwrite the base version and the desired devices before installing the service pack,

2.12. Silence Install

Installation can be performed without using the user interface. This is called "Silence Install". This function uses the Registry File explained in the previous section. Please read the previous section for details. This function can mainly be used for installation on the target PC. Perform installation on the main PC using the normal user interface. For description of target PC and main PC, refer to the previous section.

When executing a Silent Installation, the registry information from the main PC is

inherited.

OPOS ADK Manuals and the Sample Programs cannot be installed when using the Silence Install function.

To use this function, perform the following procedures.

<Procedure>

Install the EPSON OPOS ADK on the main PC, and set the necessary information and the various devices using the SetupPOS utility. Use the SetupPOS utility to save the registry. Please note the following to create the file:

- Specify "Register All".

Perform installation on the target PC.

Use the command line to specify as described below.

Two methods are available. Select the method in accordance with the environment.

Setup.exe /a"full path registry file name"

Example: Setup.exe /a"A:\OposReg.reg"

- The result is stored in the log file.

The log file is created with the name "Silence.log" in the target directory. All errors can be referred here. However, the log file is located in the Windows root directory (e.g. "C:\") until the file installation starts, since the target directory is not determined. Please ensure no errors exist in the log file following the silence installation.

<How to view Silence.log>

[SilenceMode Log]

Silence Mode Start : Silence mode starts

[SilenceMode Log End] : Silence mode ends

ERROR : Error message

WARNING : Warning message

INFORMATION : Information

MESSAGE : Message

Messages are logged in the same way as the messages listed in 2.13 "Messages".

Once the Silence.log file is created, results are added to this file. For the latest result, please see the line, which indicates the start of the latest silence installation.

<Restrictions>

- The registry file is necessary for the silence installation.
- The registry file saved by the base version can be used only for the silence installation of the base version. It cannot be used to install the service pack.
- The registry file should be created after installing the service pack following the silence installation of the service pack.. When the environment in which the service pack has been installed is imported to the target PC with the silence installation, first, execute the silence installation with the base version and the registry file for the base version (created automatically in the destination folder for installation during the service pack installation), then execute the silence installation with the service pack and the registry file for the service pack.

For example: Procedures for service pack silence installation

1. Silence installation of the OPOS Ver. 2.00 by using the following command
Setup.exe/a"A:¥OposReg.reg"
2. Silence installation of the service pack by using the following command
Setup.exe/a"A:¥OposData.reg"

Notes: The registry file such as "OposReg.reg" or "OposData.reg" are the commands which are already saved in the FD.

2.13. Messages

The program shows user messages when necessary after the execution of dialog boxes or making of settings. Follow the instructions in them. Conditions in which messages appear and the messages themselves are listed below.

2.13.1. Messages at the Time of Startup

Condition	Error Message
If a user without administrator authority is attempting to perform installation. (WindowsNT4.0/Windows2000)	The user does not have Administrator authority.
When the "Install.ini" file is not found.	An Install.ini file has not been found in directory. What is finished.
When the contents of the "Install.ini" file are incorrect and the contents are changed.	The setting files for installation are not found or the contents have been changed.
When the registry information is corrupted.	Registry information couldn't be read.
When attempting to install an earlier version by overwriting a newer version.	Newer OPOS has been already installed.
When attempting to install a special version by overwriting/coexistence but the special version does not allow overwriting/coexisting installation.	This version can't be installed in.
When attempting to install a version that allows overwriting/coexistence in the condition where a special version that does not allow overwriting/coexisting installation is already installed.	It can't be installed. It won't replace the OPOS of this version.
When attempting to install by overwriting/coexistence when the version allows neither overwriting nor coexisting installation.	The OPOS in the registry files can't replace the current version, and they can't coexist either.
If a version in different language is already installed.	The language of OPOS of this installation is different from the language of OPOS being installed. It can't be installed.
The Comctl32.DLL system file is either outdated, corrupted, or does not exist.	For EPSON OPOS ADK to run properly, the update of Comctl32.DLL is required. The latest DLL update can be found and downloaded from the Microsoft web site. (or can be found with the provided disk with OPOS.) Installer can be resumed following running the DLL update, 50Comupd.exe.

2.13.2. Messages During Installation

Condition	Error Message
If there is not enough free space in the directory in which EPSON OPOS ADK was to be installed.	The necessary free capacity can't be secured to install OPOS.
If another application is using a file similar to one to be installed by EPSON OPOS ADK.	A required file may be in use. Close all applications, and install again from the beginning.
If not a single component has been checked for custom installation.	A component isn't being checked.
If the registry information contains wrong data.	An illegal result has been returned on the registry information.

2.13.3. Messages When the Silence Mode is Specified

Condition	Error Message
If incorrect value is specified for the silence installation command line.	The form of the command line parameter is wrong. Define it as follows. setup /a"RegData.reg"
If a non-existent registry file is specified in the command line.	Registry File specified in the command line parameter cannot be found.
If the silence mode log file cannot be created.	Failed to make the silence log files.
If a non-supported registry file is specified in the parameter	Registry file specified in the command line is wrong.

2.13.4. Messages Related to Registry File

Condition	Error Message
If the registry file of a version that is not installed is specified at the time of registry file selection or when parameter is specified at the time of startup.	The version recorded by registry file doesn't correspond to the version of this installation.
If, at the time of coexistence installation, the coexistence registry file of a version that is not installed is specified.	The version of the coexistence in the registry file and the version that is now being installed are different.
If, at the time of separate installation, a registry file that contains coexistence information is specified.	The coexistence version in the registry file hasn't been installed in the target computer.
If, at the time the parameter is specified during registry file selection or startup, a registry file created with a version with a different language is specified.	The language of OPOS recorded by registry file doesn't correspond to the language of this installation.
If a registry file created with a version that is not supported was specified.	Information on the version which can't be supported by this installation is contained in registry file. This registry file can't be used.
If internal processing of the registry file isn't performed smoothly due to one reason or another.	Failed to make copies of the specified registry file. There is no choice for selecting the registry file.

2.13.5. Messages During Coexistence

Condition	Error Message
When coexisting with a current version, a registry file containing only information on Version 2.xx is specified when registry file is selected or the parameter is specified at startup.	This registry file has information only on this version. When coexistence is installed, it can't be used.
When attempt is made to make coexistence installation with a version that does not support coexistence.	A version of OPOS that cannot work with this version has been already installed. After uninstalling the currently installed OPOS, please install the new version.

2.13.6. Add-in Installation Messages

Condition	Error Message
When attempt is made to install an add-in service pack whose language is different from that of the base version.	The language of OPOS of this installation is different from the language of OPOS being installed. It can't be installed.
When attempt is made to install a service pack in the condition when a base version, which is not the base version of the add-in service pack, is already installed.	The installed version is not supported.
When attempt is made to install the base version in the condition where the add-in service pack has been installed.	The service pack has been already installed in the OPOS.
When attempt is made to install only the service pack in the condition where the base version of the add-in service pack has not been installed.	The OPOS version for this service pack has not been installed.
When devices and files included in the add-in service pack have not been installed in the base version.	<p>The following devices and files cannot be installed after the installation of service pack x.</p> <p>----</p> <p>----</p> <p>It is recommended to have them installed before installing service pack x in case they are needed in the future.</p> <p>Proceed with installation?</p>
If the devices and files included in the full package are not installed yet	<p>The following devices and files included in Version 2.xx are not installed.</p> <p>----</p> <p>----</p> <p>Only installed files are updated.</p> <p>Then, to install other files, run the installation again.</p> <p>Proceed with installation?</p>

2.14. Precautions for Installation

- Overwriting installation is not possible when an EPSON OPOS ADK of different version or language (US version, Japanese version) has already been installed.
- It is not possible to read registry information files stored in an EPSON OPOS ADK of different version (including the service pack) or language (US version, Japanese version).
- Be sure to install the devices stated in the REG file information that is specified in the registry file import (that is, the devices that had already been installed or registered when the Setup POS utility stores to the REG file). If these do not match, operation cannot be guaranteed.

REG file information : POSPrinter, LineDisplay, MSR
 Installed device : MSR

If such a setting is made as shown above, a conflict is generated, as it is only the settings of the POSPrinter and LineDisplay that will become valid whereas the actual files do not exist.

- If the installation fails for some reason, or it is canceled during the execution, be sure to perform a reinstallation. In the condition where installation has failed or been canceled, the settings, etc. may not be completely removed even if uninstallation is performed. EPSON OPOS ADK may malfunction due to the failure of the first installation even after the reinstallation. It is recommended to uninstall EPSON OPS ADK and install it again.
- When using USB POSPrinter, MICR, LineDisplay and CashDrawer, install the Epson TM USB Driver (Epson USB controller for TM printer series) first. It will not be possible to install the USB OPOS information if the Epson TM USB driver is not previously installed. Users of the EPSON TM USB Driver should refer to User's Manual Section5 "EPSON TM USB Driver".
- When Version 1.xx and Version 2.xx are installed coexisting, the operation of Version 2.xx will not be normal if the uninstaller of Version 1.xx is used. Be sure to uninstall Version 2.xx first, or use the uninstaller of Version 2.xx to uninstall Version 1.xx.
- If Version 2.xx is uninstalled when Version 1.xx and Version 2.xx are installed coexisting, operation of Version 1.xx is not guaranteed henceforth. Reinstall Version 1.xx and make the prescribed settings.

2.15. Uninstallation

The provided Uninstaller must be used to uninstall an installed EPSON OPOS ADK program. The following methods are available for uninstallation.

- Choose “Add/Remove Programs” in the Control Panel, and then select “EPSON OPOS ADK Version2.xx”.
- Running Uninstaller.exe in the directory in which the program is installed.

In both cases, the EPSON OPOS ADK uninstaller is executed.

When uninstalling, first make sure that all running applications are closed; both those used by OPOS as well as any other applications.

However, when using WindowsNT4.0 / Windows2000, only privileged users can use install programs. Please consult a user who has privilege for the machine.

2.16. Uninstall Procedures

Perform uninstallation using either of the methods prescribed.

- (1) The “Information...” dialog box is displayed.
This dialog box displays the version(s) compatible with the Uninstaller. Confirm that the version to uninstall using the Uninstaller is listed. To continue, select Yes. To cancel the operation here, select No.
- (2) The “ADK Selection” dialog box is displayed.
All the currently installed EPSON OPOS ADK versions are displayed. Select the version to uninstall. Multiple versions cannot be selected. If you check the Complete uninstall of selected OPOS ADK check box, full uninstallation is performed. If the check mark is removed, it is possible to select the device(s) to be removed. When the selection has been made, select the Next button. If checked, go to step (4).
To return to the previous dialog, select the Back button.
- (3) The “Selection of Devices to Delete” dialog box appears.
The “Selectable devices” window shows the currently installed devices. Select a device to be deleted, and then press the Remove button. The device is moved to the “Devices to delete” window. To return to the “Selectable devices” window, press the Add button. Move devices from the “Selectable devices” window to “Devices to delete” the window. To move all the devices shown in the “Selectable devices” window to the “Devices to delete” window, press the All button. All the devices are moved. When the selection is done, select the Next button.
To return to the previous dialog, select the Back button.
- (4) The “Confirm Deletion” dialog appears.
Information related to the uninstallation is displayed. Confirm the contents.

Uninstallation starts when the Start button is selected. To return to the previous dialog without starting deleting, select the Back button if you don't want to start deleting.

- The uninstallation process starts. A progress bar indicates the status of the uninstallation.
- A message indicating completion is displayed on the progress bar when the uninstallation is completed.

2.17. Types of Uninstallation

There are two types of uninstall: full and custom. The types of uninstallation can be selected by "Completely remove the selected ADK configuration" check box in the "Select ADK Version" dialog box.

Full uninstall

Deletes all the devices registered in the selected version.

Custom uninstall

Select the devices to be uninstalled from all the devices registered in the selected the devices using the "Selection of Devices to Delete" dialog box. The device can be specified by device classes.

2.18. Silence Uninstall

It is possible to perform uninstallation without using the user interface. This is called Silence Uninstall. When Silence Uninstall is used, only full uninstallation is performed. Specify in the command line as follows:

```
Uninstller.exe /S
```

When only /S is specified as the parameter, the currently installed program is uninstalled. This parameter can only be used when only one version is currently installed. If multiple versions are installed, an error message is displayed. When multiple versions are installed, specify as follows.

```
Uninstller.exe /S "Version"
```

Example: Uninstller.exe /S "1.90"

2.19. System Files

MFC42.DLL, MSVCRT.DLL, OLEAUT32.DLL, STDOLE2.TLB and etc are not deleted from the system directory.

2.20. Messages

The Uninstaller program shows user messages when necessary after the execution of dialog boxes or making of settings. Follow the instructions in them. Conditions in which messages appear and the messages themselves are listed below.

Condition	Error Message
If a user who doesn't have Administrator authority is attempting to perform uninstallation.	Administrator Access Required. Execute this program from an account with administrative access.
The Uninstaller is started while OPOS is not installed.	OPOS is not installed.
If the Uninstaller of a version in a different language was executed.	The target language of OPOS is not installed.
When the Uninstaller doesn't have the required information.	Internal Error Occurred. Premature program termination required. Some component may not have been deleted. Please manually delete remaining components.
If the registry contains incorrect information.	Unable to open registry. Program terminating.
When the required information was not found in the registry.	Unable to get required information from registry. Program terminating.
When other files have been copied to the install directory.	Unable to remove directory. Remove directory manually.
When other information subsequently has been entered into the startup folder.	Unable to remove startup directory. Remove startup directory manually.
If incorrect value has been entered on the command line.	Invalid Parameter. Required format is: Uninstall /s"X.X"
When version that is not installed is specified as the command line parameter.	Version not installed or invalid command parameter.
If a file to be uninstalled is being used by another application.	Xxx is being used by other application. To delete this file, exit the application using the file and push the "Retry" button. To leave this file, push the "Cancel" button.
If only the /S parameter is specified on the command line when multiple versions of OPOS are installed.	There is more than one installed version of OPOS. Use the command line option Uninstall /s"X.X" to uninstall a specific version or execute the user interface version.

2.21. Precautions for Uninstallation

- Uninstallation is not possible when an EPSON OPOS ADK of different version or language (US version, Japanese version) is installed.
- The uninstallation is executed on the condition that OPOS-related files are not in use. If OPOS-related files are in use, a message to the effect that files cannot be deleted is displayed. When this message is displayed, close the application that is using the OPOS-related files. Then try again to continue the uninstallation process. If uninstallation is not retried, files will remain in the directory.
- Also close Explorer. Smooth removal of the directory may fail if this is neglected, particular in the case of Windows NT4.0.