

Description of the SPT SDK

The Symbol Palm Terminal SDK is currently at Revision A (version 2.00). This SDK is designed to generate applications for the CSM 150, SPT 1500 and all SPT 1700 configurations. The SPT Symbol hand-held terminals are based on the Palm OS® Platform.

This release expands upon the basic scanning API to include:

- Spectrum24 Wireless Local Area Network
- Printing
- Magnetic Stripe Reader

Note: All previous corrections to the SPT 1500 SDK are incorporated into this revision.

1. The SPT SDK contains the SPT Spectrum24 Wireless LAN SDK. It is provided for use with the SPT 1740 Terminals and contains all the necessary shared libraries, header files and sample code to enable applications to be developed to communicate via an S24 network.
2. The SPT SDK contains the Symbol Printer SDK. The Symbol Printer SDK is provided for use with version 3.0 of the Palm OS. It contains files and sample application code to print using the Symbol Palm OS Based Terminals or the Palm III Terminal.
3. The SPT SDK also contains the Symbol MSR SDK. The MSR SDK is provided for use with the SPT-1700 series terminal equipped the MSR 3000 Magnetic Stripe Reader attachment. It contains all the necessary shared libraries, header files and sample code to enable applications to be developed which interface with the MSR 3000.

Directory structure of the SPT SDK (Revision A – Version 2)

| Filename | Description |
|---------------------------|------------------------------------------------------------|
| Symbol SDK | The main directory |
| Symbol SDK \Document | Documentation in PDF format |
| Symbol SDK \Lib | Library files |
| Symbol SDK \Include | All header files |
| Symbol SDK \prc | prc and pdb files |
| Symbol SDK \Sample | Source for the scanning, printer, MSR and S24 applications |
| Symbol SDK \HostTools\msr | Host MSR configurator |

About the files in each sub directory

Symbol SDK \Document

The following documentation is included with the SPT SDK:

| Filename | Description |
|------------|-----------------------------------------------------------------|
| ssm.pdf | Symbol Palm Terminal Scanner System Software Manual |
| psm.pdf | Printer Software Manual for the Palm Computing Platform |
| msrssm.pdf | MSR 3000 System Software Manual |
| s24api.pdf | SPT 1740 Spectrum24 Driver Extensions Library Developer's Guide |

The "Symbol Palm Terminal Scanner System Software Manual" provides the Documentation in PDF format for use when developing scan aware applications for the Symbol Palm Terminal (SPT).

The "Printer Software Manual for the Palm Computing Platform" provides documentation in PDF format for developing printer applications for the SPT and PalmIII units.

The "MSR 3000 System Software Manual" provides information for use in developing applications to enable magnetic stripe reading on the Symbol Technologies SPT 1740 Terminal.

The "SPT 1740 Spectrum24 Driver Extensions Library Developer's Guide " provides an overview of Spectrum24 wireless operation and information about the Spectrum24 library functions that can be used by developers for the SPT 1740.

Symbol SDK \Lib

The ScanMgr.lib file is linked with your source code and provides the interface to the Scan Manager Shared Library. PtStatic.lib is the shared library that must be linked with your source code for printing. The library, SPT1740.lib, must be used for Spectrum24.

Symbol SDK \prc

The file MsrMgrLib.prc is the shared library needed for use and control of the MSR 3000.

The two pdb files are used for printing. These two files, Printcap.pdb and ptDynLib.pdb must be HotSynced onto the SPT for printing, along with the user application or PrintSample.prc (See sample subdirectory).

Symbol SDK \Sample

Source for the ScanDemo and scanning demo applications. These applications are supplied to help developers create scan aware applications using the Metrowerks Codewarrior IDE. It is expected that portions of this sample code will be used in developer applications. The scanning demo application is designed to get the developer up and running quickly with scanning demo aware applications, while ScanDemo is more advanced, showing the developer how to provide enhanced scan aware capabilities into their applications.

The scanning demo is completely described in Chapter 6 of the "Symbol Palm Terminal Scanner System Software Manual".

The source for PrintSample is provided as a example of how to use the printer API. See the readme file, readme_printing.txt, for additional information about the print sample program and the printer API. Two examples demonstrating MSR ability are provided: *MSR Demo* and *MSR Sample*. See the readme file, readme_msr.txt, for additional information about the SPT Magnetic Stripe Reader. Examples for Spectrum24 code are provided in the S24 Samples Directory.