

HENGSTLER



**Thermal Printer
Family
XPM**

**Windows XP/7/8/10
Driver**

S690001

R8-V1.07-BETA-2022OCT18

Release Note

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Document History

Revision	Mod. Nr	Status	Description
1	4 270809 HOR1	CLOSED	1 st version: created for the Windows XP Driver S690001-R1-V1.00- 2009AUG27 for XPM type printers.
2	4 190816 HOR1	CLOSED	2 nd version: extended with the Windows XP/7/8/10 Driver S690001-R2-V1.01- FINAL-2016AUG19 for XPM type printers.
3	4 240816 HOR1	CLOSED	3 rd version: extended with the Windows XP/7/8/10 Driver S690001-R3-V1.02- FINAL-2016AUG24 for XPM type printers.
4	4 100718 HOR1	CLOSED	4 th version: extended with the Windows XP/7/8/10 Driver S690001-R4-V1.03- FINAL-2018JUL10 for XPM type printers.
5	4 111018 HOR1	CLOSED	5 th version: extended with the Windows XP/7/8/10 Driver S690001-R5-V1.04- FINAL-2018OCT11 for XPM type printers.
6	4 051218 HOR1	CLOSED	6 th version: extended with the Windows XP/7/8/10 Driver S690001-R6-V1.05- FINAL-2018DEC05 for XPM type printers.
7	4 181022 HOR1	CLOSED	7 th version: extended with the Windows XP/7/8/10 Driver S690001-R8-V1.07- FINAL-2022OCT18 for XPM type printers

Applicable Documentation and Software

Id	Part Nr	Description
[1]	D 690 004	Thermal Printer Family XPM - Emulation Command Set Reference Manual
[2]	S 690 001	Thermal Printer Family XPM - Printer driver for Windows XP
[3]	D 690 005	Thermal Printer Family XPM – Windows XP Driver Manual

Comments

Revision	Comments
-	-

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1 Introduction

This release note describes all modifications done to the XPM printer driver S690001 for Windows-XP, Windows-7, Windows-8 and Windows 10 since the initial release R1-V1.00-2009AUG27.

XPM printer driver S690001 is regarded to be backward compatible to earlier pre-released and/or beta versions them and replaces them all.

XPM printer driver S690001 is proven to be operational with all regular XPM-80, XPM-80HR, XPM-200 and XPM-200HR printers which

- have a RS232 and/or USB connector
- optionally has a feed unit (e.g. dual feed unit)
- optionally has a presenter unit (e.g. METIS, BA, LR)

2 Driver Changes Prior to Current Release

2.1 XPM XP DRIVER S690001-R1-V1.00-FINAL-2009AUG27

List of modifications			
Mod-Id	Components	Version	Description
-	-	-	-

2.2 XPM XP/7/8/10 DRIVER S690001-R2-V1.01-FINAL-2016AUG19

List of modifications			
Mod-Id	Components	Version	Description
M-R2-001-HOR	Xpm-Api.dll	R2-V1.01a	Configuration data extended with "test page on printer close" setting.
M-R2-002-HOR	Xpm-ConfigTool.exe	R2-V1.01a	Configuration tool extended with "test page on printer close" setting.
M-R2-003-HOR	Xpm-Tb.dll Xpm-UserInterface.dll Xpm-UniDrv.dll	R2-V1.01a	Driver settings extended with horizontal shift.
M-R2-004-HOR	Xpm-UniDrv.dll Xpm-Tb.dll Xpm-UserInterface.dll	R2-V1.01a	Driver settings extended with 180 degrees rotation.
M-R2-005-HOR	Xpm-Tb.dll Xpm-ManufacturingTools.exe	R2-V1.01a	Manufacturing data extended with controller revision.
M-R2-006-HOR	Xpm-Api.dll Xpm-ConfigurationTools.exe	R2-V1.01a	Configuration data extended with multi level dot history setting.
M-R2-007-HOR	Xpm-Api.dll Xpm-ConfigurationTool.exe	R2-V1.01a	Option "Disable eject on paper-end" added to configuration data. If selected, then the printer will not eject the paper after detecting paper-end. In this case paper must be manually removed from the print unit. This option is only available when there is no feed unit attached and is automatically disabled when a feed unit is detected. Note that, in case of paper end, the remaining paper might cause paper jams after a reset or restart of the printer.
M-R2-008-HOR	Xpm-UniDrv.dll	R2-V1.01b	Memory leak with printout rotation corrected.
M-R2-009-HOR	Xpm-Tb.dll Xpm-ConfigurationTool.exe	R2-V1.01b	Configuration data extended with initialization delay setting.
M-R2-010-HOR	Xpm-Vs.dll	R2-V1.01c	Vendor Setup added to the driver installation process.

M-R2-011-HOR	Xpm-Setup.dll Xpm-Setup.x32.dll Xpm-Setup.x64.dll	R2-V1.01c	32/64 Bit setup utilities added for convenient and command line driver installation.
M-R2-012-HOR	Complete package	R2-V1.01c	Complete driver package converted to VS2010 and adapted o Windows 7 32/64 bit.
M-R2-013-HOR	Xpm-Setup.x32.exe Xpm-Setup.x64.exe	R2-V1.01c	Review of the setup tool (esp uninstall and re-install)
M-R2-014-HOR	Xpm_Vs_x64.exe, Xpm_Vs.exe	R2-V1.01c	Vendor Setup enabled (selects appropriate paper bin)
M-R2-015-HOR	Xpm-80.inf Xpm-80.x64.inf Xpm-80HR.inf Xpm-80HR.x64.inf Xpm-200.inf Xpm-200.x64.inf Xpm-200HR.inf Xpm-200HR.x64.inf	R2-V1.01c	Installation of the print monitor plugin enabled.
M-R2-016-HOR	N/A	R2-V1.01c	Replaced by a more up-to-date version that is operational with Windows 7.
M-R2-017-HOR	Xpm-PrintMon.dll Xpm-PrintMon_x64.dll	R2-V1.01c	Usage of the 32 and 64 bit print monitor plugin enabled.
M-R2-018-HOR	Xpm-Setup.x32.exe Xpm-Setup.x64.exe	R2-V1.01d	Setup tool improved and corrected. Setup is now functional on both Windows 7 and Windows XP.
M-R2-019-HOR	Xpm-EnduranceTestTool.exe	R2-V1.01d	Failure in feed unit sensor display corrected. Automatic paper path selection problem resolved.
M-R2-020-HOR	Xpm-ConfigTool.exe	R2-V1.01d	Text GB3212 changed to GB2312.
M-R2-021-HOR	Xpm_Tb.dll	R2-V1.01e	Failure in processing of text command in tools corrected.
M-R2-022-HOR	Xpm_Tb.dll	R2-V1.01e	Following text sequences in print terminal, command tool and other tools recognized and converted to it's ASCII hexadecimal equivalent: "NUL", "SOH", "STX", "ETX", "EOT", "ENQ", "ACK", "BEL", "BES", "HT", "LF", "VT", "FF", "CR", "SO", "SI", "DLE", "DC1", "DC2", "DC3", "DC4", "NAK", "SYN", "ETB", "CAN", "EM", "SUB", "ESC", "FS", "GS", "RS", "US" (e.g. input "ESC ! [01]" is converted to "[1B] ! [01]")
M-R2-023-HOR	Xpm_PrintTerminal.dll	R2-V1.01e	Terminal window now shows transmitted and received data in hex and ASCII.
M-R2-024-HOR	Xpm_ManufacturingTool.exe Xpm_Tb.dll	R2-V1.01e	Integration of thermal line S/219/2592/3G219-8436.
M-R2-025-HOR	Xpm_FixTool.exe	R2-V1.01e	Fix tool revised for applying manufactory and configuration fixes.
M-R2-026-HOR	Xpm_Tb.dll Xpm_UniDrv.dll Xpm_UserInterface.dll	R2-V1.01e	Render engine extended with a variety of error diffusion dithering algorithms, which are selectable via the printer properties dialog.
M-R2-027-HOR	Xpm_Tb.dll Xpm_UniDrv.dll Xpm_UserInterface.dll	R2-V1.01e	Render engine extended with a variety of gray scale conversion algorithms, which are selectable via the printer properties dialog.
M-R2-028-HOR	Xpm_Api.dll	R2-V1.01e	Application programming interface extended with two new functions "Xpm_Api_Pio_PrintImage(..)" and "Xpm_Api_Pio_PrintImageEx(..)", which both render a 24 bit image to a monochrome bitmap and print it.

M-R2-029-HOR	Xpm_Api.dll	R2-V1.01e	Application programming interface extended with two new functions "Xpm_Api_Pio_RenderImage (...)" and "Xpm_Api_Pio_RenderImageEx (...)", which both render a 24 bit image to a monochrome bitmap and stores it in a file.
M-R2-030-HOR	Xpm-RenderTool.exe	R2-V1.01e	Render tool added, with which it is possible to determine the optimal render settings for a particular application.
M-R2-031-HOR	Xpm-Tb.dll	R2-V1.01e	An application or tool can now communicate with the printer via the drivers API without needing administrator rights.
M-R2-032-HOR	Xpm-CaTool.exe	R2-V1.01e	Driver package extended with a company confidential CA-Tool. This tool sets the CA-Code in an XPM BETA firmware (firmware version R5-V1.04e or higher).
M-R2-033-HOR	Driver Package	R2-V1.01e	Complete driver package signed with Hengstler signature.
M-R2-034-HOR	Xpm-APIWrapper-DotNet	R2-V1.01e	XPM API wrapper for .NET added to the driver package,
M-R2-035-HOR	Xpm-APIWrapper-DotNet-Demo	R2-V1.01e	Application added to the driver package, which demonstrates how to interface the XPM .NET Wrapper DLL.
M-R2-036-HOR	Xpm-ManufacturingTool.exe Xpm-Tb.dll	R2-V1.01e	New 200HR thermal line S/219/2592/3TH219-8768 added.
M-R2-037-HOR	Xpm-ConfigurationTool.exe Xpm-API.dll	R2-V1.01f	Configuration data extended with paper path option "mark cut offset is relative to mark center".
M-R2-038-HOR	Xpm-ManufacturingTool.exe Xpm-API.dll	R2-V1.01f	New presenter type ATM (Bundler) added. Note that this presenter type is only available for demonstration and evaluation purposes.
M-R2-039-HOR	Xpm-DiagnosticTool.exe Xpm-API.dll	R2-V1.01f	Failure regarding requesting and processing of life data resolved (life data structure in API was not BYTE aligned).
M-R2-040-HOR	Xpm-ConfigurationTool.exe	R2-V1.01f	Distances can be input in mm or sec instead of 1/10 mm or 1/10 sec.
M-R2-041-HOR	Complete package	R2-V1.01	Complete driver package converted to VS2015 and adapted to Windows 10 32/64 bit.
M-R2-042-HOR	Xpm-UniDrv.dll Xpm-UserInterface.dll Xpm-Tb.dll Xpm-80.dat Xpm-80HR.dat Xpm-200.dat Xpm-200HR.dat	R2-V1.01	Driver settings extended with horizontal and vertical shifting.
M-R2-043-HOR	Xpm-UniDrv.dll Xpm-UserInterface.dll Xpm-Tb.dll Xpm-80.dat Xpm-80HR.dat Xpm-200.dat Xpm-200HR.dat	R2-V1.01	Driver settings extended with horizontal and vertical scaling.
M-R2-044-HOR	Xpm-UniDrv.dll Xpm-UserInterface.dll Xpm-Tb.dll	R2-V1.01	New tab "Document Options" added.
M-R2-045-HOR	Xpm-ConfigurationTool.exe Xpm-API.dll	R2-V1.01	Configuration data extended with a mark threshold correction, which allows reduction of the paper mark detection threshold (up to 0.5 Volt in 0.1 Volt steps). The paper mark threshold correction is only used when a reflex sensor is used for paper mark detection.

M-R2-046-HOR	Xpm-UniDrv.dll Xpm-UserInterface.dll Xpm-Tb.dll Xpm-80.dat Xpm-80HR.dat Xpm-200.dat Xpm-200HR.dat	R2-V1.01	Driver settings extended with form width/height correction.
M-R2-047-HOR	N/A	R2-V1.01	Document "D-690-005-Xpm-WindowsXpDriver-Manual" removed from the driver package.

2.3 XPM XP/7/8/10 DRIVER S690001-R3-V1.02-FINAL-2016AUG24

List of modifications			
Mod-Id	Components	Version	Description
M-R3-001-HOR	Complete driver package	R3-V1.02a	Additional driver package compilation added for usage within Windows-XP.

2.4 XPM XP/7/8/10 DRIVER S690001-R4-V1.03-FINAL-2018JUL10

List of modifications			
Mod-Id	Components	Version	Description
M-R4-001-HOR	Hengstler-Xpm-80.inf Hengstler-Xpm-80.x64.inf Hengstler-Xpm-80HR.inf Hengstler-Xpm-80HR.x64.inf Hengstler-Xpm-200.inf Hengstler-Xpm-200.x64.inf Hengstler-Xpm-200HR.inf Hengstler-Xpm-200HR.x64.inf	R4-V1.03	Driver model "USBPRINT\VID_1bf1&PID_0002" commented out due to a conflict with other printer types. Note that this driver model was used in combination with early prototypes only.
M-R4-002-HOR	Xpm-ManufacturingTool	R4-V1.03	Manufacturing tool extended with firmware patch setting.
M-R4-003-HOR	Xpm-UniDrv.dll Xpm-UniDrv_X64.dll	R4-V1.03	Fault resolved, in which printing of empty pages in combination with remove trailing blanks caused the spooler to stop.
M-R4-004-HOR	Xpm_ApiWrapperDotNet.dll	R4-V1.03 (2018APR19)	Return type from XPM API function Xpm_Api_Pe_PrinterEnum() changed from "string" to "IntPtr". (.NET Framework remains V4.0).
M-R4-005-HOR	Xpm_CodeSigner.dll	R4-V1.03 (2018JUL10)	Integration of the USB token signing certificate.
M-R4-006-HOR	Xpm-Setup.exe	R4-V1.03 (2018JUL10)	Renewal of console based and dialog based setup (enter "Xpm-Setup -h" for help).
M-R4-007-HOR	Hengstler-Xpm-80.x64.inf Hengstler-Xpm-80HR.x64.inf Hengstler-Xpm-200.x64.inf	R4-V1.03 (2018JUL18)	Driver installation issue due to missing "USBPRINT" tag resolved.

2.5 XPM XP/7/8/10 DRIVER S690001-R5-V1.04-FINAL-2018OCT11

List of modifications			
Mod-Id	Components	Version	Description
M-R5-001-HOR	Hengstler-Xpm-80.dat Hengstler-Xpm-80HR.dat Hengstler-Xpm-200.dat Hengstler-Xpm-200HR.dat	R5-V1.04 (2018OCT10)	The default ending of a printout is now done with a full cut.
M-R5-002-HOR	Xpm_UserInterface.dll Xpm_UserInterface_x64.dll Xpm_UniDrv.dll Xpm_UniDrv_x64.dll Xpm_Tb.dll Xpm_Tb_x64.dll	R5-V1.04 (2018OCT10)	Driver settings extended with: - Path to overlay file - Overlay blending method - Overlay transparency Note that an overlay is an image which is blended within each printed page.
M-R5-003-HOR	Xpm_UserInterface.dll Xpm_UserInterface_x64.dll Xpm_UniDrv.dll Xpm_UniDrv_x64.dll Xpm_Tb.dll Xpm_Tb_x64.dll	R5-V1.04 (2018OCT10)	Driver settings extended with: - Dump of latest color printout enable/disable - Dump of latest grayscale printout enable/disable - Dump of latest monochrome printout enable/disable Note that the latest printouts are dumped to the %windows%\temp directory.
M-R5-004-HOR	Xpm_UniDrv.dll Xpm_UniDrv_x64.dll	R5-V1.04 (2018OCT16)	Partly rearrangement of the print processing logic.
M-R5-005-HOR	Xpm_Tb_x64.dll	R5-V1.04 (2018OCT16)	Fault in 64-bit toolbox resolved, which wrongly determined the path to files Xpm_80.dat, Xpm_80HR.dat, Xpm_200.dat and Xpm_200HR.dat

2.6 XPM XP/7/8/10 DRIVER S690001-R6-V1.05-FINAL-2018DEC05

List of modifications			
Mod-Id	Components	Version	Description
M-R6-001-HOR	Xpm_UniDrv.dll Xpm_UniDrv_x64.dll	R6-V1.05 (2018DEC05)	Corrected a fault regarding overlay handling which resulted in a total white printout when no overlay file was selected within the driver properties. The fault first occurred since modification M-R5-002-HOR.
M-R6-002-HOR	Xpm_ConfigTool.exe	R6-V1.05 (2018DEC05)	Temperature related burn time correction values can no longer be configured and will automatically be reset to zero when configuration data is loaded into an XPM printer.
M-R6-003-HOR	Xpm_Api.dll Xpm_Api_x64.dll	R6-V1.05 (2018DEC05)	Corrected a fault regarding image rendering which was not yet adapted to the new driver settings. The fault first occurred since modification M-R5-003-HOR.

M-R6-004-HOR	Xpm_PrintMon.dll Xpm_PrintMon_x64.dll		Corrected a fault regarding data logging and API related settings which was not yet adapted to the new driver settings. The fault first occurred since modification M-R5-003-HOR.
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2.7 XPM XP/7/8/10 DRIVER S690001-R7-V1.06-FINAL-2022FEB11

List of modifications			
Mod-Id	Components	Version	Description
M-R7-001-HOR	Xpm_Jni.dll Xpm_Jni_x64.dll Xpm_Jpi.jar	R7-V1.06a (2019AUG22)	Implementation of a 64-bit Java Native Interface (JNI) and a 32/64 bit Java Programming Interface (JPI) for XPM type printers.
M-R7-002-HOR	Xpm_Api_x64.dll	R7-V1.06a (2019AUG22)	Exported following 64 bit functions: - Xpm_Api_Pio_PrintImage - Xpm_Api_Pio_PrintImageEx - Xpm_Api_Pio_RenderImage - Xpm_Api_Pio_RenderImageEx
M-R7-003-HOR	Xpm_Api.dll Xpm_Api_x64.dll Xpm_ConfigurationTool.exe	R7-V1.06a (2020MAY04)	Configuration data extended with a new feature which makes it possible to trigger (test) printouts when a specified sensor switches from low to high or vice versa.
M-R7-004-HOR	Xpm_ServiceTool.exe	R7-V1.06a (2021JAN25)	Command line service tool extended with the "-print=<File-Name>" option, which allows printing raw emulation command sequences from a specified file (e.g. a .prn file).
M-R7-005-HOR	Xpm_CommandTool.exe	R7-V1.06a (2021APR30)	Command tool extended with a "Print a Command File" button.
M-R7-006-HOR	Xpm_CodeSigner.exe	R7-V1.06a (2021NOV25)	Code signing tool adapted to 2021 signature token.
M-R7-007-HOR	Xpm_UserInterface.dll	R7-V1.06 (2022FEB11)	Fault in version mismatch detection resolved.
M-R7-008-HOR	Xpm_UserInterface.dll Xpm_Tb.dll	R7-V1.06 (2022FEB11)	Fault in process data logging time resolved.
M-R7-009-HOR	Xpm_ServiceTool.exe	R7-V1.06 (2022JAN31)	Operation "-setdrvfcfg" and "-getdrvfcfg" now also save and load registry entry "XPM-DRIVER-SETTINGS_2".

3 XPM XP/7/8/10 DRIVER S690001-R8-V1.07a-BETA-2022MAR11

Description

The XPM printer driver S690001-R8-V1_07a-BETA-2022MAR11 is a printer driver for Windows-XP, Windows 7, Windows 8 and Windows 10. The driver has been developed for all XPM type printers (XPM-80, XPM-80HR, XPM-200 and XPM-200HR) which are currently available.

Package overview

```
| Xpm-Windows7810Driver-S690001-R8-V1_07a-BETA-2022MAR11.zip
| Xpm-WindowsXpDriver-S690001-R8-V1_07a-BETA-2022MAR11.zip
|
+---Api
|   Xpm_Api.h
|   Xpm_Api.lib
|   Xpm_Api_X64.lib
|   Xpm_ApiWrapperDotNet.dll
|   Xpm_PrintMonPlugin.h
|
+---Documentation
|   D-690-001-Xpm-WindowsXp7810Driver-ReleaseNote.pdf
|   S-690-001-XPM-WindowsXpDriver-ApplicationNote-001.pdf
|
+---Driver
|   | difxapi.x32.dll
|   | difxapi.x64.dll
|   | Hengstler-Xpm-80.cat
|   | Hengstler-Xpm-80.inf
|   | Hengstler-Xpm-80.x64.cat
|   | Hengstler-Xpm-80.x64.inf
|   | Hengstler-Xpm-80HR.cat
|   | Hengstler-Xpm-80HR.inf
|   | Hengstler-Xpm-80HR.x64.cat
|   | Hengstler-Xpm-80HR.x64.inf
|   | Hengstler-Xpm-200.cat
|   | Hengstler-Xpm-200.inf
|   | Hengstler-Xpm-200.x64.cat
|   | Hengstler-Xpm-200.x64.inf
|   | Hengstler-Xpm-200HR.cat
|   | Hengstler-Xpm-200HR.inf
|   | Hengstler-Xpm-200HR.x64.cat
|   | Hengstler-Xpm-200HR.x64.inf
|   | Xpm-Setup.exe
|   | Xpm-Setup.x32.exe
|   | Xpm-Setup.x64.exe
|   |
|   \---Data
|       Xpm_80.dat
|       Xpm_80.dll
|       Xpm_80.gpd
|       Xpm_80.prn
|       Xpm_80HR.dat
|       Xpm_80HR.dll
|       Xpm_80HR.gpd
|       Xpm_80HR.prn
|       Xpm_200.dat
|       Xpm_200.dll
|       Xpm_200.gpd
|       Xpm_200.prn
|       Xpm_200HR.dat
|       Xpm_200HR.dll
|       Xpm_200HR.gpd
|       Xpm_200HR.prn
|       Xpm_Api.dll
|       Xpm_Api_x64.dll
|       Xpm_Jni.dll
```

```

|         Xpm_Jni_x64.dll
|         Xpm_PrintMon.dll
|         Xpm_PrintMon_x64.dll
|         Xpm_PrintMonPlugin.dll
|         Xpm_PrintMonPlugin_x64.dll
|         Xpm_Tb2.dll
|         Xpm_Tb.dll
|         Xpm_Tb_x64.dll
|         Xpm_UniDrv.dll
|         Xpm_UniDrv_x64.dll
|         Xpm_UniDrv.ini
|         Xpm_UserInterface.dll
|         Xpm_UserInterface_x64.dll
|         Xpm_Vs.dll
|         Xpm_Vs_x64.dll
|         STDNAMES.GPD
|
+---Fonts
|         Xpm-Font-Std-01.08x16.XpmCs
|         Xpm-Font-Std-01.12x24.XpmCs
|         Xpm-Font-Std-01.16x32.XpmCs
|         Xpm-Font-Std-01.20x40.XpmCs
|         Xpm-Font-Std-02-20x40.XpmCs
|         Xpm-Font-Std-02.08x16.XpmCs
|         Xpm-Font-Std-02.12x24.XpmCs
|         Xpm-Font-Std-02.16x32.XpmCs
|         Xpm-WideFont-Korean.24X24.XpmWcs
|         Xpm-WideFont-Mall.24X24.XpmWcs
|
+---Other
|         NET_START_SPOOLER.lnk
|         NET_STOP_SPOOLER.lnk
|
+---Samples
|         Xpm-GdiDemo-80-Test.doc
|         Xpm-GdiDemo-80HR-Test.doc
|         Xpm-GdiDemo-200-Test.doc
|         Xpm-GdiDemo-200HR-Test.doc
|
+---Sources
|         Xpm_PrintMonPlugin.zip
|         Xpm-ApiWrapperDotNetDemo.zip
|         Xpm-PrintMonPluginDemo.zip
|         Xpm-PrintMonPluginTest.zip
|
+---Java
|         Xpm_Jpi.jar
|
\---Tools
|         Xpm-Api.dll
|         Xpm_ApiWrapperDotNet.dll
|         Xpm_Tb.dll
|         Xpm_Tb2.dll
|         Xpm-ApiWrapperDotNetDemo.exe
|         Xpm-CommandTool.exe
|         Xpm-ConfigurationTool.exe
|         Xpm-DiagnosticTool.exe
|         Xpm-FontTool.exe
|         Xpm-FwPatchTool.exe
|         Xpm_PrintMonInfo.exe
|         Xpm-ImageTool.exe
|         Xpm-PrintMonInfo.exe
|         Xpm-PrintMonPluginDemo.exe
|         Xpm-PrintMonPluginTest.exe
|         Xpm-PrintTerminal.exe
|         Xpm-RenderTool.exe
|         Xpm-ServiceTool.exe
|         Xpm-TicketMonitor.exe
|         Xpm-Uninstaller.exe
|         Xpm-UploadTool.exe
|         Xpm-WideFontTool.exe
|         mfc140.dll

```

Installation

To prevent a file version mismatch within Windows XP, it is required that the Xpm-UninstallerTool is used before installation of a new printer driver version.

The Xpm-SetupTool should be used to install or update the printer driver within the windows 7/8/10 driver repository.

Installation of the printer driver for usage with RS232-type printers is started by selecting [START MENU]->[PRINTERS&FAXES]->[ADD NEW PRINTER].

Installation of the printer driver for usage with USB-type printers is started by connecting the printer through USB.

The printer driver information files for 32-bit Windows systems are "Hengstler-XPM-80.inf", "Hengstler-XPM-80HR.inf", "Hengstler-XPM-200.inf", "Hengstler-XPM-200HR.inf".

The printer driver information files for 64-bit Windows systems are "Hengstler-XPM-80.x64.inf", "Hengstler-XPM-80HR.x64.inf", "Hengstler-XPM-200.x64.inf", "Hengstler-XPM-200HR.x64.inf".

Un-Installation

The Xpm-Uninstaller tool is to be used for the un-installation of the printer driver within Windows XP.

The Xpm-SetupTool should be used to remove the printer driver from the windows 7/8/10 driver repository.

List of anomalies and bugs

Currently no anomalies or bugs are known.

List of incompatibilities to previous versions

Currently no incompatibilities are known.

List of restrictions

Currently no restrictions are known.

Documentation

The XPM printer driver manual is available as Hengstler document D-690-005 [3].

The XPM emulation command set reference manual is available as Hengstler document D-690-004 [1].

Notes

It is advised that the hardware flow control is enabled in both printer driver and printer when uploading firmware onto a serial board. The hardware flow control can be enabled in the printer properties dialog.

Please note that the driver files for Windows 7, Windows 8 and Windows 10 are included in archive "Xpm-Windows7810Driver-S690001-R6-V1_05-FINAL-2018DEC05.zip".

Please note that the driver for Windows XP are included in archive "Xpm-WindowsXpDriver-S690001-R6-V1_05-FINAL-2018DEC05.zip".

List of modifications			
Mod-Id	Components	Version	Description
M-R8-001-HOR	Xpm-Setup.exe Xpm-Setup.x64.exe Xpm-Setup.x32exe	R8-V1.07a (2022MAR11)	Fixed an issue regarding missing text output in Windows 10 when used from console/batch. Command "Xpm-Setup.exe -h" gives more information regarding console/batch usage.
M-R8-002-HOR	Xpm-DiagnosticTool.exe	R8-V1.07a (2022AUG25)	Corrected the text for input signal "Paper pre end sensor #A2" to ADC#06 (was ADC#07).
M-R8-003-HOR	Xpm-UserInterface.dll Xpm-UserInterface_x64.dll	R8-V1.07 (2022OCT18)	User interface does no longer show ERROR if a driver components from older or newer version are used.
M-R8-004-HOR	Whole package	R8-V1.07 (2022OCT18)	All projects adapted to VS2022.