HENGSTLER

Thermal Printer Family
XPM

Linux-Driver
S690004-R4-V1.04-FINAL-2021FEB18

Release Note

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HENGSTLER GmbH

Uhlandstr. 49

78554 Aldingen / Germany

Tel. +49 (0) 7424-89 0

Fax +49 (0) 7424-89 500

eMail: info@hengstler.com

www.hengstler.com

Document History

Revision	Mod. Nr	Status	Description
1	4 250110 LT1	Closed	Initial version: created for XPM Linux-Driver S690004 - R1-V1.00-FINAL – 2010JAN25
2	4 230712 LT1	Closed	Second version created for XPM Linux-Driver S690004 – R2-V1.01c-BETA – 2012JUL23
3	4 130812 LT1	Closed	Third version created for XPM Linux-Driver S690004 – R2-V1.01d-BETA – 2012AUG13
4	4 250517 LT1	Closed	Extended with x64 and Arm support
5	4 010818 LT1	Closed	FIFO buffer implemented, USB2.0 preparation
6	4 160818 LT1	Closed	Timing correction, 64 bit pointers corrections
7	4 180221 LT1	Closed	New paper size added. Minor bug correction for Xpm-ConfigurationTool.

Applicable Documentation and Software

Id	Part Nr	Description
[1]	D 684 112	Thermal Printer Family XPM - Emulation Command Set Reference Manual - Types: USB / RS232
[2]	S 690 004	Linux-Driver for Thermal Printer Family XPM
[3[	S 690 004	XPM Linux Driver Manual

Comments

Revision	Comments
-	-

Contents

1 Introduction

This release note describes all known issues relative to the XPM Linux printer driver with HENGSTLER part number S690004, first being released as R1-V1.00-FINAL on 25 January 2010. Later versions of this release note will describe all changes to this driver from the original release.

Linux printer driver S690004-R1-V1.00-FINAL-2010JAN25 is regarded to be backward compatible to earlier pre-released and/or beta versions them and replaces them all.

Linux printer driver S690004-R1-V1.00-FINAL-2010JAN25 is tested to be operational only with XPM printers and firmware version S690002-R1-V1.00 or higher installed.

Currently the latest version of XPM Linux drivers is **R4-V1.04-FINAL-2021FEB18** and is regarded to be backward compatible to earlier pre-released and/or beta versions them and replaces them all.

2   XPM LINUX DRIVER S690004-R1-V1.00-FINAL-2010JAN25

Description

The XPM printer driver S690004-R1-V1.00-FINAL-2010JAN25 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

List of modifications

=> R1-V1.00 – FINAL – 2010JAN25 – RELEASED FINAL VERSION

Initial version of the XPM printer driver for Linux. There is no modification history for earlier beta or pre-release versions of this printer driver.

Component	Version	Description
–	–	–

Package overview

```
|   XPM-LinuxDriver-S690004-R1-V1_00-FINAL-2010JAN25-product.tar
|   readme.txt
|   install
|   uninstall
|
+---Api
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_Api.h
|
+---Documents
|   |   D-690-009-XPM-LinuxDriver-ReleaseNote.pdf
|   |   D-690-008-XPM-LinuxDriver-Manual.pdf
|
+---Driver
|   |   hengstlerxpm80.ppd
|   |   hengstlerxpm80hr.ppd
|   |   hengstlerxpm200.ppd
|   |   hengstlerxpm200hr.ppd
|   |   hengstlerxpm80.ppd.gz
|   |   hengstlerxpm80hr.ppd.gz
|   |   hengstlerxpm200.ppd.gz
|   |   hengstlerxpm200hr.ppd.gz
|   |   rastertoxpm
|
+---Tools
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_ConfigurationTool
|   |   Xpm_InquiryTool
|   |   Xpm_PrintMonitor
|   |   Xpm_PrintMonitor.conf
|   |   Xpm_PrintTerminal
|   |   Xpm_UploadTool
|
```

	List of components			
Date	**Size**	**File**	**Version**	**Description**
N/A	N/A	XPM-LinuxDriver-S690004-R1-V1_00-FINAL-2010JAN25-product.tar	R1-V1.00a	Complete driver package as zip file
N/A	N/A	readme.txt	R1-V1.00a	Short description of driver package
N/A	N/A	install	R1-V1.00a	Installation script for Linux
N/A	N/A	uninstall	R1-V1.00a	Un-installation script for Linux
N/A	N/A	D-690-009-XPM-LinuxDriver-ReleaseNote.pdf	R1-V1.00a	Release note of the driver package
N/A	N/A	D-690-008-XPM-LinuxDriver-Manual.pdf	R1-V1.00a	Linux driver manual
N/A	N/A	libXpmTb.so.1.0	R1-V1.00a	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R1-V1.00a	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R1-V1.00a	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R1-V1.00a	Driver component => infor-mation file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R1-V1.00a	Driver component => infor-mation file required for installation of the XPM-8HR driver
N/A	N/A	Hengstlerxpm200.ppd	R1-V1.00a	Driver component => infor-mation file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R1-V1.00a	Driver component => infor-mation file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R1-V1.00a	Driver component => infor-mation archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R1-V1.00a	Driver component => infor-mation archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R1-V1.00a	Driver component => infor-mation archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R1-V1.00a	Driver component => infor-mation archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_PrintTerminal	R1-V1.00a	Driver component => Tool for evaluating emulation commands
N/A	N/A	Xpm_UploadTool	R1-V1.00a	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_PrintMonitor	R1-V1.00a	Driver component => Tool for monitoring XPM printer
N/A	N/A	Xpm_PrintMonitor.conf	R1-V1.00a	Driver component =>

				Configuration file for Xpm_PrintMonitor
N/A	N/A	Xpm_InquiryTool	R1-V1.00a	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R1-V1.00a	Driver component => Tool for configuring XPM printer

Installation

Installation of the XPM printer driver for use with USB-type printers is started by using the "install" script in driver folder, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.

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

The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.

The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.

The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.

The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.

The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal

The "uninstall" script is to be used for the removal of installed XPM printer driver files.

Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

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 Linux Driver manual is available as Hengstler document D-690-008.

The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes

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3   XPM LINUX DRIVER S690004-R2-V1.01c-BETA-2012JUL23

Description

The XPM printer driver S690004-R2-V1.01c-BETA-2012JUL23 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   XPM-LinuxDriver-S690004-R2-V1_01c-BETA-2012JUL23-product.zip
|   readme.txt
|   install
|   uninstall
|
+---Api
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_Api.h
|
+---Documents
|   |   D-690-009-XPM-LinuxDriver-ReleaseNote.pdf
|   |   D-690-008-XPM-LinuxDriver-Manual.pdf
|
+---Driver
|   |   hengstlerxpm80.ppd
|   |   hengstlerxpm80hr.ppd
|   |   hengstlerxpm200.ppd
|   |   hengstlerxpm200hr.ppd
|   |   hengstlerxpm80.ppd.gz
|   |   hengstlerxpm80hr.ppd.gz
|   |   hengstlerxpm200.ppd.gz
|   |   hengstlerxpm200hr.ppd.gz
|   |   rastertoxpm
|
+---Tools
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_ConfigurationTool
|   |   Xpm_InquiryTool
|   |   Xpm_PrintMonitor
|   |   Xpm_PrintMonitor.conf
|   |   Xpm_PrintTerminal
|   |   Xpm_UploadTool
|
\
```

List of components				
Date	Size	File	Version	Description
N/A	N/A	XPM-LinuxDriver-S690004-R2-V1_01c-BETA-2012JUL23-product.zip	R2-V1.01c	Complete driver package as zip file
N/A	N/A	readme.txt	R2-V1.01c	Short description of driver package
N/A	N/A	install	R2-V1.01c	Installation script for Linux
N/A	N/A	uninstall	R2-V1.01c	Un-installation script for Linux
N/A	N/A	D-690-009-XPM-LinuxDriver-ReleaseNote.pdf	R2-V1.01c	Release note of the driver package

N/A	N/A	D-690-008-XPM-LinuxDriver-Manual.pdf	R2-V1.01c	Linux driver manual
N/A	N/A	libXpmTb.so.1.0	R2-V1.01c	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R2-V1.01c	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R2-V1.01c	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R2-V1.01c	Driver component => information file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R2-V1.01c	Driver component => information file required for installation of the XPM-8HR driver
N/A	N/A	Hengstlerxpm200.ppd	R2-V1.01c	Driver component => information file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R2-V1.01c	Driver component => information file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R2-V1.01c	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R2-V1.01c	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R2-V1.01c	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R2-V1.01c	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_PrintTerminal	R2-V1.01c	Driver component => Tool for evaluating emulation commands
N/A	N/A	Xpm_UploadTool	R2-V1.01c	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_PrintMonitor	R2-V1.01c	Driver component => Tool for monitoring XPM printer
N/A	N/A	Xpm_PrintMonitor.conf	R2-V1.01c	Driver component => Configuration file for Xpm_PrintMonitor
N/A	N/A	Xpm_InquiryTool	R2-V1.01c	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R2-V1.01c	Driver component => Tool for configuring XPM printer

List of modifications		

=> R2-V1.01c –BETA – 2012JUL23 – RELEASED VERSION

Second version of the XPM printer driver for Linux.

Component	Version	Description
Xpm_Api	R2-V1.01a	New ERROR codes of API
Xpm_Api	R2-V1.01a	Added printer ticket request for ticket monitoring
Xpm_Api	R2-V1.01a	Configuration data extended - Paper path options
Xpm_Api	R2-V1.01a	Configuration data extended – Customer sensors extended
Xpm_Api	R2-V1.01a	Configuration data structure extended
Xpm_Api	R2-V1.01a	API extended with new "libusb" communication, what is required for latest Linux versions
Xpm_ConfigurationTool	R2-V1.01b	Communication extended with new "libusb" API implementation
Xpm_InquiryTool	R2-V1.01b	Communication extended with new "libusb" API implementation
Xpm_PrintTerminal	R2-V1.01b	Communication extended with new "libusb" API implementation
Xpm_PrintMonitor	R2-V1.01b	Checking connection type added. Based on the path to printer it automatically determines connection type.
XPM Drivers ppd	R2-V1.01b	Paper sizes redefinition to points
Xpm_Api	R2-V1.01c	libusb communication modification, Resetting printer resolved

Installation

Installation of the XPM printer driver for use with USB-type printers is started by using the "install" script in driver folder, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.

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

The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.

The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.

The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.

The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.

The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal

The "uninstall" script is to be used for the removal of installed XPM printer driver files.

Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

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 Linux Driver manual is available as Hengstler document D-690-008.
The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes
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4   XPM LINUX DRIVER S690004-R2-V1.01d-BETA-2012AUG13

Description
The XPM printer driver S690004-R2-V1.01d-BETA-2012AUG13 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   XPM-LinuxDriver-S690004-R2-V1_01d-BETA-2012AUG13-product.zip
|   readme.txt
|   install
|   uninstall
|
+---Api
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_Api.h
|
+---Documents
|   |   D-690-009-XPM-LinuxDriver-ReleaseNote.pdf
|   |   D-690-008-XPM-LinuxDriver-Manual.pdf
|
+---Driver
|   |   hengstlerxpm80.ppd
|   |   hengstlerxpm80hr.ppd
|   |   hengstlerxpm200.ppd
|   |   hengstlerxpm200hr.ppd
|   |   hengstlerxpm80.ppd.gz
|   |   hengstlerxpm80hr.ppd.gz
|   |   hengstlerxpm200.ppd.gz
|   |   hengstlerxpm200hr.ppd.gz
|   |   rastertoxpm
|
+---Tools
|   |   libXpmApi.so.1.0
|   |   libXpmTb.so.1.0
|   |   Xpm_ConfigurationTool
|   |   Xpm_InquiryTool
|   |   Xpm_PrintMonitor
|   |   Xpm_PrintMonitor.conf
|   |   Xpm_PrintTerminal
|   |   Xpm_UploadTool
|
\
```

List of components				
Date	**Size**	**File**	**Version**	**Description**
N/A	N/A	XPM-LinuxDriver-S690004-R2-V1_01d-BETA-2012AUG13-product.zip	R2-V1.01d	Complete driver package as zip file
N/A	N/A	readme.txt	R2-V1.01d	Short description of driver package
N/A	N/A	install	R2-V1.01d	Installation script for Linux
N/A	N/A	uninstall	R2-V1.01d	Un-installation script for Linux
N/A	N/A	D-690-009-XPM-LinuxDriver-ReleaseNote.pdf	R2-V1.01d	Release note of the driver package

N/A	N/A	D-690-008-XPM-LinuxDriver-Manual.pdf	R2-V1.01d	Linux driver manual
N/A	N/A	libXpmTb.so.1.0	R2-V1.01d	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R2-V1.01d	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R2-V1.01d	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R2-V1.01d	Driver component => information file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R2-V1.01d	Driver component => information file required for installation of the XPM-8HR driver
N/A	N/A	Hengstlerxpm200.ppd	R2-V1.01d	Driver component => information file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R2-V1.01d	Driver component => information file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R2-V1.01d	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R2-V1.01d	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R2-V1.01d	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R2-V1.01d	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_PrintTerminal	R2-V1.01d	Driver component => Tool for evaluating emulation commands
N/A	N/A	Xpm_UploadTool	R2-V1.01d	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_PrintMonitor	R2-V1.01d	Driver component => Tool for monitoring XPM printer
N/A	N/A	Xpm_PrintMonitor.conf	R2-V1.01d	Driver component => Configuration file for Xpm_PrintMonitor
N/A	N/A	Xpm_InquiryTool	R2-V1.01d	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R2-V1.01d	Driver component => Tool for configuring XPM printer

List of modifications		
=> R2-V1.01d –BETA – 2012AUG13 – RELEASED VERSION		
Third version of the XPM printer driver for Linux.		
Component	**Version**	**Description**
Xpm_Tb	R2-V1.01b	Config structure ET_XPM_TB_CONFIG_ATTRIBUTES updated for new settings EV_XPM_TB_CONFIG_FILE_KEY_MAXIMUM_DIALOG_TIME, time in minutes when dialog will be forced to be closed. This is only available if EV_XPM_TB_CONFIG_FILE_KEY_ADDITIONAL_DIALOG_TIME is set to 0.
Xpm_PrintMonitor	R2-V1.01c	If EV_XPM_TB_CONFIG_FILE_KEY_ADDITIONAL_DIALOG_TIME in config structure is set to 0, dialog will not be automatically closed(no countdown), user interaction needed

Installation
Installation of the XPM printer driver for use with USB-type printers is started by using the "install" script in driver folder, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.
Installation of the XPM printer driver for use with XPM USB -type printers is started by connecting the printer.
The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.
The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.
The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.
The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.
The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal
The "uninstall" script is to be used for the removal of installed XPM printer driver files.
Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

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 Linux Driver manual is available as Hengstler document D-690-008.

The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes

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5 XPM LINUX DRIVER S690004-R3-V1.02-FINAL-2017MAY25

Description
The XPM printer driver S690004-R3-V1.02-FINAL-2017MAY25 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   XPM-LinuxDriver-S690004-R3-V1_02-FINAL-2017MAY25.zip
|   readme.txt
|   install_x86
|   install_x64
|   install_arm
|   uninstall_x86
|   uninstall_x64
|   uninstall_arm
|
+---Api
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
|
+---Documents
|   |   |   S-690-004-XPM-LinuxDriver-Manual.pdf
|   |   |   S-690-004-XPM-LinuxDriver-ReleaseNote.pdf
+---Driver
+-------x86
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------x64
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------arm
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
|
+---Tools
```

```
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
|
\
```

List of components

Date	Size	File	Version	Description
N/A	N/A	XPM-LinuxDriver-S690004-R3-V1_02-FINAL-2017MAY25.zip	R3-V1.02	Complete driver package as zip file
N/A	N/A	readme.txt	R3-V1.02	Short description of driver package
N/A	N/A	install_x86	R3-V1.02	Installation script for Linux x86
N/A	N/A	install_x64	R3-V1.02	Installation script for Linux x64
N/A	N/A	install_arm	R3-V1.02	Installation script for Linux arm
N/A	N/A	uninstall_x86	R3-V1.02	Un-installation script for Linux x86
N/A	N/A	uninstall_x64	R3-V1.02	Un-installation script for Linux x64
N/A	N/A	uninstall_arm	R3-V1.02	Un-installation script for Linux arm
N/A	N/A	libXpmTb.so.1.0	R3-V1.02	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R3-V1.02	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R3-V1.02	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R3-V1.02	Driver component => infor-mation file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R3-V1.02	Driver component => infor-mation file required for installation of the XPM-8HR driver
N/A	N/A	Hengstlerxpm200.ppd	R3-V1.02	Driver component => infor-mation file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R3-V1.02	Driver component => infor-

				mation file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R3-V1.02	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R3-V1.02	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R3-V1.02	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R3-V1.02	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_Api_Test	R3-V1.02	Driver component => Tool for evaluating API interface
N/A	N/A	Xpm_UploadTool	R3-V1.02	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_InquiryTool	R3-V1.02	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R3-V1.02	Driver component => Tool for configuring XPM printer

List of modifications

=> R3-V1.02 –BETA – 2017MAY25 – RELEASED VERSION

XPM printer driver for Linux.

Component	Version	Description
Xpm_Tb	R3-V1.02	Due to be compatible with 64bit Linux, some of the variable declaration changed from "unsigned long" to "uint32_t"
Xpm_Api	R3-V1.02	Due to be compatible with 64bit Linux, some of the variable declaration changed from "unsigned long" to "uint32_t"
Xpm_Api	R3-V1.02	Updated structures regarding printer status and communication
Xpm_PrintMonitor	*R3-V1.02*	*Removed from driver package, not supported anymore.*
Xpm_PrintTerminal	*R3-V1.02*	*Removed from driver package, not supported anymore.*
Xpm_Api_Test	R3-V1.02	New tool to evaluated XPM API interface.

Installation

Installation of the XPM printer driver for use with USB-type printers is started by using the "install_x86" or "install_x64" or "install_arm" script in driver folder based on your Linux distribution, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.

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

The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.

The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.

The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.

The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.

The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal

The "uninstall_x86" or "uninstall_x64" or "uninstall_arm" script is to be used for the removal of installed XPM printer driver files.

Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

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 Linux Driver manual is available as Hengstler document.

The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes

-

6 XPM LINUX DRIVER S690004-R4-V1.03a-BETA-2018AUG01

Description
The XPM printer driver S690004-R4-V1.03a-BETA-2018AUG01 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   S-690-004-XPM-LinuxDriver-R3-V1_02-FINAL-2017MAY25.zip
|   readme.txt
|   install_x86
|   install_x64
|   install_arm
|   uninstall_x86
|   uninstall_x64
|   uninstall_arm
|
+---Api
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
|
+---Documents
|   |   |   S-690-004-XPM-LinuxDriver-Manual.pdf
|   |   |   S-690-004-XPM-LinuxDriver-ReleaseNote.pdf
+---Driver
+-------x86
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------x64
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------arm
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
|
+---Tools
```

```
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api_Test
|   |   |   Xpm_ConfigurationTool
|   |   |   Xpm_InquiryTool
|   |   |   Xpm_UploadTool
+---Sources
|   |       Xpm_Api.h
|   |       Xpm_Demo_FormFeed.c
|   |       Xpm_Demo_InquiryStatus.c
|   |       Xpm_Demo_PageLength.c
|   |       README.txt
\
```

List of components

Date	Size	File	Version	Description
N/A	N/A	S-690-004-XPM-LinuxDriver-R3-V1_02-FINAL-2017MAY25.zip	R4-V1.03a	Complete driver package as zip file
N/A	N/A	readme.txt	R4-V1.03a	Short description of driver package
N/A	N/A	install_x86	R4-V1.03a	Installation script for Linux x86
N/A	N/A	install_x64	R4-V1.03a	Installation script for Linux x64
N/A	N/A	install_arm	R4-V1.03a	Installation script for Linux arm
N/A	N/A	uninstall_x86	R4-V1.03a	Un-installation script for Linux x86
N/A	N/A	uninstall_x64	R4-V1.03a	Un-installation script for Linux x64
N/A	N/A	uninstall_arm	R4-V1.03a	Un-installation script for Linux arm
N/A	N/A	libXpmTb.so.1.0	R4-V1.03a	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R4-V1.03a	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R4-V1.03a	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R4-V1.03a	Driver component => information file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R4-V1.03a	Driver component => information file required for installation of the XPM-8HR driver

N/A	N/A	Hengstlerxpm200.ppd	R4-V1.03a	Driver component => information file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R3-V1.02	Driver component => information file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R4-V1.03a	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R4-V1.03a	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R4-V1.03a	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R4-V1.03a	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_UploadTool	R4-V1.03a	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_InquiryTool	R4-V1.03a	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R4-V1.03a	Driver component => Tool for configuring XPM printer
N/A	N/A	Xpm_Demo_FormFeed	R4-V1.03a	Driver component => Demo application for sending form feed
N/A	N/A	Xpm_Demo_InquiryStatus	R4-V1.03a	Driver component => Demo application for inquiring printer status package
N/A	N/A	Xpm_Demo_PageLength	R4-V1.03a	Driver component => Demo application for setting page length
N/A	N/A	Sources\README.TXT	R4-V1.03a	Instruction for demo applications, how to compile sources and run them
N/A	N/A	Xpm_Demo_FormFeed.c	R4-V1.03a	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_InquiryStatus.c	R4-V1.03a	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_PageLength.c	R4-V1.03a	Source file of demo application for evaluating purposes

List of modifications

=> R4-V1.03a –BETA – 2018AUG01 – RELEASED VERSION

XPM printer driver for Linux.

Component	Version	Description
Xpm_Api	R4-V1.03a	Implemented FIFO buffer to be able to read separately HEADER & BODY data from printer packages
Xpm_Api	R4-V1.03a	Added preparation for USB2.0 support
Xpm_Demo_FormFeed	R4-V1.03a	New demo application for customer use added also with sources

Xpm_Demo_InquiryStatus	R4-V1.03a	New demo application for customer use added also with sources
Xpm_Demo_PageLength	R4-V1.03a	New demo application for customer use added also with sources
Xpm_Api_Test	R4-V1.03a	This tool has been removed from package.

Installation

Installation of the XPM printer driver for use with USB-type printers is started by using the "install_x86" or "install_x64" or "install_arm" script in driver folder based on your Linux distribution, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.

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

The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.

The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.

The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.

The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.

The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal

The "uninstall_x86" or "uninstall_x64" or "uninstall_arm" script is to be used for the removal of installed XPM printer driver files.

Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

List of anomalies and bugs

TKA-BUG-01	RS232 Communication currently not working correctly (only with serial printers)
TKA-BUG-02	Plug&Play does not work on all Linux platforms (x86/ x64) - probably issue with Linux kernel and usage of new libusb library

List of incompatibilities to previous versions

Currently no incompatibilities are known.

List of restrictions

Currently no restrictions are known.

Documentation

The XPM Linux Driver manual is available as Hengstler document.

The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes

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7   XPM LINUX DRIVER S690004-R4-V1.03b-BETA-2018AUG16

Description
The XPM printer driver S690004-R4-V1.03b-BETA-2018AUG16 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   S-690-004-XPM-LinuxDriver-R4-V1_03b-BETA-2018AUG16.zip
|   readme.txt
|   install_x86
|   install_x64
|   install_arm
|   uninstall_x86
|   uninstall_x64
|   uninstall_arm
|
+---Api
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
|
+---Documents
|   |   |   S-690-004-XPM-LinuxDriver-Manual.pdf
|   |   |   S-690-004-XPM-LinuxDriver-ReleaseNote.pdf
+---Driver
+-------x86
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------x64
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------arm
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
|
+---Tools
```

```
+-------x86
|   |   |    libXpmApi.so.1.0
|   |   |    libXpmTb.so.1.0
|   |   |    Xpm_Api_Test
|   |   |    Xpm_ConfigurationTool
|   |   |    Xpm_InquiryTool
|   |   |    Xpm_UploadTool
+-------x64
|   |   |    libXpmApi.so.1.0
|   |   |    libXpmTb.so.1.0
|   |   |    Xpm_Api_Test
|   |   |    Xpm_ConfigurationTool
|   |   |    Xpm_InquiryTool
|   |   |    Xpm_UploadTool
+-------arm
|   |   |    libXpmApi.so.1.0
|   |   |    libXpmTb.so.1.0
|   |   |    Xpm_Api_Test
|   |   |    Xpm_ConfigurationTool
|   |   |    Xpm_InquiryTool
|   |   |    Xpm_UploadTool
+---Sources
|   |        Xpm_Api.h
|   |        Xpm_Demo_FormFeed.c
|   |        Xpm_Demo_InquiryStatus.c
|   |        Xpm_Demo_PageLength.c
|   |        README.txt
\
```

List of components

Date	Size	File	Version	Description
N/A	N/A	S-690-004-XPM-LinuxDriver-R4-V1_03a-BETA-2018AUG01.zip	R4-V1.03b	Complete driver package as zip file
N/A	N/A	readme.txt	R4-V1.03b	Short description of driver package
N/A	N/A	install_x86	R4-V1.03b	Installation script for Linux x86
N/A	N/A	install_x64	R4-V1.03b	Installation script for Linux x64
N/A	N/A	install_arm	R4-V1.03b	Installation script for Linux arm
N/A	N/A	uninstall_x86	R4-V1.03b	Un-installation script for Linux x86
N/A	N/A	uninstall_x64	R4-V1.03b	Un-installation script for Linux x64
N/A	N/A	uninstall_arm	R4-V1.03b	Un-installation script for Linux arm
N/A	N/A	libXpmTb.so.1.0	R4-V1.03b	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R4-V1.03b	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R4-V1.03b	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R4-V1.03b	Driver component => information file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R4-V1.03b	Driver component => information file required for installation of the XPM-8HR driver

N/A	N/A	Hengstlerxpm200.ppd	R4-V1.03b	Driver component => information file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd	R3-V1.02	Driver component => information file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R4-V1.03b	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R4-V1.03b	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R4-V1.03b	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R4-V1.03b	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_UploadTool	R4-V1.03b	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_InquiryTool	R4-V1.03b	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R4-V1.03b	Driver component => Tool for configuring XPM printer
N/A	N/A	Xpm_Demo_FormFeed	R4-V1.03b	Driver component => Demo application for sending form feed
N/A	N/A	Xpm_Demo_InquiryStatus	R4-V1.03b	Driver component => Demo application for inquiring printer status package
N/A	N/A	Xpm_Demo_PageLength	R4-V1.03b	Driver component => Demo application for setting page length
N/A	N/A	Sources\README.TXT	R4-V1.03b	Instruction for demo applications, how to compile sources and run them
N/A	N/A	Xpm_Demo_FormFeed.c	R4-V1.03b	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_InquiryStatus.c	R4-V1.03b	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_PageLength.c	R4-V1.03b	Source file of demo application for evaluating purposes

List of modifications

=> R4-V1.03b –BETA – 2018AUG16 – RELEASED VERSION

XPM printer driver for Linux.

Component	Version	Description
Xpm_Api	R4-V1.03b	Timing delays of "xpm_api_printer_clear" corrected to original values.
Xpm_Api	R4-V1.03b	Xpm_Api now compatible also with Ubuntu 18.04 64-bit platform. Handle type "int" has been changed to "int pointer" which ensure that under all 64/32 bit platform handle gets correct value.

Installation
Installation of the XPM printer driver for use with USB-type printers is started by using the "install_x86" or "install_x64" or "install_arm" script in driver folder based on your Linux distribution, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.
Installation of the XPM printer driver for use with XPM USB -type printers is started by connecting the printer.
The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.
The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.
The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.
The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.
The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

Removal
The "uninstall_x86" or "uninstall_x64" or "uninstall_arm" script is to be used for the removal of installed XPM printer driver files.
Uninstallation of installed XPM printer is started by deleting this printer from the list of printers in [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by use of "localhost:631" in your web browser.

List of anomalies and bugs	
TKA-BUG-01	RS232 Communication currently not working correctly (only with serial printers)
TKA-BUG-02	Plug&Play does not work on all Linux platforms (x86/ x64) - probably issue with Linux kernel and usage of new libusb library

List of incompatibilities to previous versions
Currently no incompatibilities are known.

List of restrictions
Currently no restrictions are known.

Documentation
The XPM Linux Driver manual is available as Hengstler document.
The XPM emulation command set manual is available as Hengstler document D-684-112 [1].

Notes
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List of tested platforms		
Printer types	Firmware version	Linux platform
XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Mint 18.1 – 32bit

XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Mint 18.1 – 64bit
XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Red Hat 7.5 – 64bit
XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Ubuntu 18.04 – 64bit
XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Raspbian (Debian light) – Raspberry PI 2 - ARM7

8   XPM LINUX DRIVER S690004-R4-V1.04-FINAL-2021FEB18

Description
The XPM printer driver S690004-R4-V1.04-FINAL-2021FEB18 is developed for Linux and is currently operational with all XPM type printers that have firmware S690002-R1-V1.00 or higher installed.

Package overview

```
|   S-690-004-XPM-LinuxDriver-R4-V1_04-FINAL-2021FEB18.zip
|   readme.txt
|   install_x86
|   install_x64
|   install_arm
|   uninstall_x86
|   uninstall_x64
|   uninstall_arm
|
+---Api
+-------x86
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------x64
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
+-------arm
|   |   |   libXpmApi.so.1.0
|   |   |   libXpmTb.so.1.0
|   |   |   Xpm_Api.h
|
+---Documents
|   |   |   S-690-004-XPM-LinuxDriver-Manual.pdf
|   |   |   S-690-004-XPM-LinuxDriver-ReleaseNote.pdf
+---Driver
+-------x86
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------x64
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
+-------arm
|   |   |   hengstlerxpm80.ppd
|   |   |   hengstlerxpm80hr.ppd
|   |   |   hengstlerxpm200.ppd
|   |   |   hengstlerxpm200hr.ppd
|   |   |   hengstlerxpm80.ppd.gz
|   |   |   hengstlerxpm80hr.ppd.gz
|   |   |   hengstlerxpm200.ppd.gz
|   |   |   hengstlerxpm200hr.ppd.gz
|   |   |   rastertoxpm
|
+---Tools
+-------x86
|   |   |   libXpmApi.so.1.0
```

```
| | |     libXpmTb.so.1.0
| | |     Xpm_Api_Test
| | |     Xpm_ConfigurationTool
| | |     Xpm_InquiryTool
| | |     Xpm_UploadTool
+-------x64
| | |     libXpmApi.so.1.0
| | |     libXpmTb.so.1.0
| | |     Xpm_Api_Test
| | |     Xpm_ConfigurationTool
| | |     Xpm_InquiryTool
| | |     Xpm_UploadTool
+-------arm
| | |     libXpmApi.so.1.0
| | |     libXpmTb.so.1.0
| | |     Xpm_Api_Test
| | |     Xpm_ConfigurationTool
| | |     Xpm_InquiryTool
| | |     Xpm_UploadTool
+---Sources
| |       Xpm_Api.h
| |       Xpm_Demo_FormFeed.c
| |       Xpm_Demo_InquiryStatus.c
| |       Xpm_Demo_PageLength.c
| |       README.txt
\
```

List of components

Date	Size	File	Version	Description
N/A	N/A	S-690-004-XPM-LinuxDriver-R4-V1_04-FINAL-2021FEB18.zip	R4-V1.04	Complete driver package as zip file
N/A	N/A	readme.txt	R4-V1.04	Short description of driver package
N/A	N/A	install_x86	R4-V1.04	Installation script for Linux x86
N/A	N/A	install_x64	R4-V1.04	Installation script for Linux x64
N/A	N/A	install_arm	R4-V1.04	Installation script for Linux arm
N/A	N/A	uninstall_x86	R4-V1.04	Un-installation script for Linux x86
N/A	N/A	uninstall_x64	R4-V1.04	Un-installation script for Linux x64
N/A	N/A	uninstall_arm	R4-V1.04	Un-installation script for Linux arm
N/A	N/A	libXpmTb.so.1.0	R4-V1.04	Tool Box programming interface
N/A	N/A	Xpm_Api.h	R4-V1.04	Include file specifying XPM Application Programming Interface
N/A	N/A	libXpmApi.so.1.0	R4-V1.04	Application Programming Interface/API (Linux library)
N/A	N/A	hengstlerxpm80.ppd	R4-V1.04	Driver component => information file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd	R4-V1.04	Driver component => information file required for installation of the XPM-8HR driver
N/A	N/A	Hengstlerxpm200.ppd	R4-V1.04	Driver component => information file required for installation of the XPM-200

				driver
N/A	N/A	Hengstlerxpm200hr.ppd	R3-V1.02	Driver component => information file required for installation of the XPM-200HR driver
N/A	N/A	hengstlerxpm80.ppd.gz	R4-V1.04	Driver component => information archive file required for installation of the XPM-80 driver
N/A	N/A	hengstlerxpm80hr.ppd.gz	R4-V1.04	Driver component => information archive file required for installation of the XPM-80HR driver
N/A	N/A	Hengstlerxpm200.ppd.gz	R4-V1.04	Driver component => information archive file required for installation of the XPM-200 driver
N/A	N/A	Hengstlerxpm200hr.ppd.gz	R4-V1.04	Driver component => information archive file required for installation of the XPM-200HR driver
N/A	N/A	Xpm_UploadTool	R4-V1.04	Driver component => Tool for uploading new firmware to XPM printer
N/A	N/A	Xpm_InquiryTool	R4-V1.04	Driver component => Tool for Inquiring XPM printer information, status info…
N/A	N/A	Xpm_ConfigurationTool	R4-V1.04	Driver component => Tool for configuring XPM printer
N/A	N/A	Xpm_Demo_FormFeed	R4-V1.04	Driver component => Demo application for sending form feed
N/A	N/A	Xpm_Demo_InquiryStatus	R4-V1.04	Driver component => Demo application for inquiring printer status package
N/A	N/A	Xpm_Demo_PageLength	R4-V1.04	Driver component => Demo application for setting page length
N/A	N/A	Sources\README.TXT	R4-V1.04	Instruction for demo applications, how to compile sources and run them
N/A	N/A	Xpm_Demo_FormFeed.c	R4-V1.04	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_InquiryStatus.c	R4-V1.04	Source file of demo application for evaluating purposes
N/A	N/A	Xpm_Demo_PageLength.c	R4-V1.04	Source file of demo application for evaluating purposes

List of modifications

=> R4-V1.04 –BETA – 2018AUG16 – RELEASED VERSION

XPM printer driver for Linux.

Component	Version	Description
Xpm_ConfigurationTool	R4-V1.04	Return value of printer handler changed from 'int' to 'intptr_t' due to 32/64 bit incompatibilities on some 64bit distributions
*.defs	R4-V1.04	New paper size added (82.6mm)

Installation

Installation of the XPM printer driver for use with USB-type printers is started by using the "install_x86" or "install_x64" or "install_arm" script in driver folder based on your Linux distribution, which will copy necessary files to system folders, and then selecting [PRINTERS]->[ADD NEW PRINTER] in the Linux graphics interface, or by using "localhost:631" in your web browser.
Installation of the XPM printer driver for use with XPM USB -type printers is started by connecting the printer.
The XPM-80 printer driver information file is "hengstlerxpm80.ppd" for the XPM-80 type printer.
The XPM-80HR printer driver information file is "hengstlerxpm80hr.ppd" for the XPM-80HR type printer.
The XPM-200 printer driver information file is "hengstlerxpm200.ppd" for the XPM-200 type printer.
The XPM-200HR printer driver information file is "hengstlerxpm200hr.ppd" for the XPM-200HR type printer.
The XPM printer driver README.TXT contains more information on XPM printer driver installation package.

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The "uninstall_x86" or "uninstall_x64" or "uninstall_arm" script is to be used for the removal of installed XPM printer driver files.

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XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Ubuntu 19.10 – 64bit
XPM-80-HR	R5-V1_04i-BETA-2016MAY25	Raspbian (Debian light) – Raspberry PI 3 - ARM7