

HP SmartStream for HP PageWide XL and HP DesignJet

Installation Guide

Edition 6

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1 Installation requirements

This document explains how to install and set up the HP SmartStream application and licenses.

If you need more information about installation, contact your support representative.

Computer hardware and software

- Intel Core i3 2.4 GHz with 4 virtual cores/threads, or equivalent or better processor
- 4 GB of RAM, or more
- 3.5 GB of free space on hard disk, or more, plus 100 MB for each additional printer added
- Screen resolution of 1280 × 1024 pixels, or more, tuned or calibrated to sRGB for optimal Crystal Preview performance
- Ethernet network, IPv4 or IPv6, 100 Mb/s or faster
- Microsoft Windows 7 or later (64-bit)

NOTE: Based on the minimum computer hardware and software requirements, it is not recommended to add more than 10 printers.

Ensure that your computer is connected to the same subnet as your printers. Otherwise, ensure that computer and printers are able to communicate through the 8080, 8085, 8086, 9100, 9102 TCP, and 161 UDP ports.

If the License Manager and the HP SmartStream software are installed on different networks, ensure that UDP port 5093 is open.



How can I improve the performance of HP SmartStream?

If you feel the need of improvement, the performance of the application can be improved by exceeding the minimum specifications above: more than 4GB of RAM (which requires a 64-bit operating system), a faster processor with more cores, a faster network, and a faster hard disk drive (ideally a solid-state drive).

Supported printers

HP SmartStream currently supports the following printers:

HP PageWide XL 3900/4000/4500/5000/5100/6000/8000 printer series

For documentation and other support, see <u>http://www.hp.com/go/pagewidexlseries/support</u>.

• HP DesignJet XL 3600 MFP

For documentation and other support, see http://www.hp.com/go/DesignJetXL3600/support.

• HP DesignJet T1700 printer

For documentation and other support, see http://www.hp.com/go/T1700/support.

• HP DesignJet T7200 Production printer

For documentation and other support, see http://www.hp.com/go/T7200/support.

- HP DesignJet T7100 printer (but not HP Designjet T7100 Monochrome)
 For documentation and other support, see http://www.hp.com/go/T7100/support.
- HP DesignJet T3500 Production eMFP

For documentation and other support, see http://www.hp.com/go/T3500/support.

• HP DesignJet Z6200 Photo Production printer (42 in and 60 in)

For documentation and other support, see http://www.hp.com/go/Z6200/support.

• HP DesignJet Z6600 Production printer

For documentation and other support, see http://www.hp.com/go/Z6600/support.

• HP DesignJet Z6800 Photo Production printer

For documentation and other support, see http://www.hp.com/go/Z6800/support.

• HP DesignJet Z6/Z9+ PostScript printer

For documentation and other support, see http://www.hp.com/go/z6/support or http://www.hp.com/go/z9/support.

• HP DesignJet Z6 Pro /Z9+ Pro PostScript printer

For documentation and other support, see <u>http://www.hp.com/go/Z6pro/support</u> or

http://www.hp.com/go/Z9pro/support.

NOTE: HP SmartStream supports only PostScript printers. If your printer requires an accessory to handle PostScript, you must install the accessory to use the printer with HP SmartStream.

For further up-to-date information, see http://hp.com/go/smartstreampagewidexl/software or http://hp.com/go/smartstreamdesignjet/software.

Supported file types

The supported file formats are PDF, JPEG, TIFF, HP-GL/2, DWF, as well as SMJ and ZIP files containing any of the preceding formats.

Licensing

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In order to use HP SmartStream, you must install the HP SmartStream application and own the following licenses:

- One license for the HP SmartStream Preflight Manager
- One license per printer for the HP SmartStream Print Controller
- One PostScript license per printer

The HP SmartStream licenses are purchased and stored on a license server on your local network. When you run the software, it contacts the license server to check that you have the appropriate licenses. Thus, the software can be run on different computers at the same time, depending on the licenses purchased.

The PostScript license is stored in the printer.

NOTE: HP SmartStream also supports dongle licenses.

 ${f eta}$ In order to check on the available licenses, please use the following table:

Available licenses with part numbers

[EN] HP SmartStream Datasheet	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448ENA.pdf
[FR] HP SmartStream Fiche technique	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448FRE.pdf
[DE] HP SmartStream Datenblatt	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448DEE.pdf
[IT] HP SmartStream Scheda tecnica	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448ITE.pdf
[ES] HP SmartStream Ficha técnica	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448ESE.pdf
[PT] HP SmartStream Especificações técnicas	h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448PTE.pdf
[PL] HP SmartStream Arkusz danych	http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-7448ENE.pdf
[RU] HP SmartStream Проспект	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448RUE.pdf
[UK] HP SmartStream Datasheet	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448RUE.pdf
[ZHCN] HP SmartStream Datasheet	http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-7448EEP.pdf
[ZHTW] HP SmartStream Datasheet	http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-7448EEP.pdf
[KK] HP SmartStream Datasheet	http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-7448RUE.pdf
[K0] HP SmartStream 데이터 시트	http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-7448EEP.pdf

2 Install the HP SmartStream License Manager

The License Manager is the software that stores licenses for HP SmartStream.

In general, the License Manager must be installed on a computer in your local network that can be accessed from any of the computers on which you intend to run the HP SmartStream software. The computer on which the License Manager is installed is known as the license server. Whenever the software is started, it tries to contact the License Manager through the local network to check the licenses.

校 TIP: You are recommended to connect at least one computer running HP SmartStream to the Internet, to facilitate the installation of licenses.

TIP: If you plan to run the HP SmartStream application on only one computer, you are recommended to install the License Manager on the same computer.

- TIP: In order to connect to the License Server, UDP port 5093 must be open.
- TIP: From HP SmartStream 5, the License Manager can also be installed in a virtual machine.

Installation procedure

- 1. You can download the License Manager from http://www.hp.com/go/smartstreampagewidexl/software/download.
- 2. To install the License Manager, run **setup.exe** in the Sentinel RMS License Manager Installer folder.

Organize 🔻 🛛 Include	in library	✓ Share with ▼ New folder					(
🔆 Favorites	-	Name	Date modified	Туре	Size		
🧮 Desktop	E	🖥 Data1.cab	17/09/2014 17:06	Cabinet File	4.009 KB		
鷆 Downloads		😼 Sentinel RMS License Manager 8.6.0.msi	17/09/2014 17:06	Windows Installer	3.729 KB		
Recent Places		setup.exe	17/09/2014 17:06	Application	2.943 KB		
	-						

3. Check that you have uninstalled any other versions of the same software, then click **Next** to continue.

Bentinel RMS License Mana	ager 8.6.0 - InstallShield Wizard
4	Welcome to the InstallShield Wizard for Sentinel RMS License Manager 8.6.0
5 4	The InstallShield(R) Wizard will install Sentinel RMS License Manager 8.6.0 on your computer. To continue, dick Next. It is recommended that before continuing the installation, the previous version(s) are uninstalled, incase they are not used.
Sentinel [®] RMS	
	WARNING: This program is protected by copyright law and international treaties.
	< Back Cancel

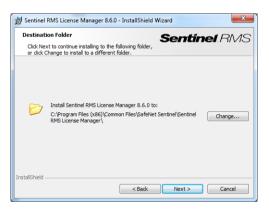
4. Read the terms and conditions, and click **Next** if you accept them, or **Cancel** to stop the installation.



5. Enter the name and organization of a user of the computer, then click **Next**.

👹 Sentinel RMS License Manager 8.6.0 - InstallShield Wizard	x
Customer Information Sentinel R/	ЛS
User Name:	
Organization: Hewlett-Packard Company	
Install this application for:	
 Anyone who uses this computer (all users) 	
Only for me (vinyesp)	
Instalishield <back canc<="" td=""><td>2</td></back>	2

6. Click **Next** to install the software in the default location on the computer (or click **Change** to change the location).



7. Select the Complete installation and click Next.



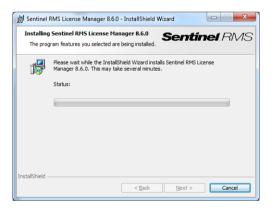
8. Check the box to unblock the system firewall, and click **Next**.



9. Click Install.



10. Wait for the installation to complete.



11. Click **Finish** to exit the installer.



3 Install the HP SmartStream application

- 1. Ensure that your printers have the latest firmware version installed, following the instructions in your printer documentation; or see http://www.hp.com/go/model/support, where model is the model number of your printer (such as T7200).
- 2. Download the correct installer for your operating system (64-bit) from <u>http://hp.com/go/</u> <u>smartstreampagewidexl/software</u>.
- 3. Start the installer, and follow the instructions on the screen.
- 4. When the installation has finished, start the application.

4 Activate the licenses

There are four different procedures for license activation, depending on your circumstances:

- HP SmartStream license and Internet connection (the normal situation)
- HP SmartStream license but no Internet connection
- HP SmartStream dongle license
- Trial license

NOTE: The first time you install HP SmartStream, you have to install licenses. The second time you install the application with the same license server, the licenses are already installed.

4.1 Enline EON activation

You have an HP SmartStream license, and the license server is connected to the Internet (online activation)

1. Start the application. If no licenses are active, the license activation window should open automatically.

Welcome to HP SmartStream	
Activate or start trial period Activate the application	
Add licenses now	Activate
or use a printer with a license: Add dongle printer	
Try HP SmartStream for 60 days Add a supported printer to start trial	Trial
	Quit

If one or more licenses are already installed, and you are adding an additional license, click **Options** > **Licensing** > **Add license**, then follow steps 5 to 8 below.

- 2. Click Activate.
- 3. The application may be able to find the license server automatically. Otherwise, you must supply details.
 - If the HP SmartStream application and the License Manager are running on the same computer, enter localhost.

Provide License Manager (RMS) de	tails	
License Manager IP address / hostname	localhost	~
Several License Managers (RMS) detected, change if required	Select License Manager	
License Manager is a program that gives computers connected to this service. If it i 'localhost', otherwise, enter the hostname which it is installed.	s installed on this computer, e	enter
How to install the License Manager on the	network	

• Otherwise, enter the IP address or hostname of the license server.

If the application finds more than one License Manager, select the one you want.

4. Click Add license.

5. Enter the Entitlement Order Number (EON) and the contact e-mail address. One EON may include more than one license.

Activate license	
Activate HP SmartStream	
License EON (Entitlement Order Number):	85W17969500 🗸
Email used to buy license:	john.smith@printsolutions.com
Cannot connect to Internet? Activate	offline

- TIP: You can give any e-mail address: it does not have to be the one registered with your HP Passport account.
- 6. Click Activate. The licenses contained in the EON are displayed.
- 7. Click Activate again. A progress dialog is displayed while the application redeems the licenses.
- 8. When you have finished adding licenses, click **Done**.

4.2 Offline EON activation

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You have an HP SmartStream license, but the license server is not connected to the Internet (offline activation)

1. Go to <u>http://myhplicensing.hp.com</u> and give your HP Passport credentials.

NOTE: If you are logging in for the first time, you will need to create an HP Passport account.

2. Enter the Entitlement Order Number (EON). \underline{m}_{\star}

3. Select the license to be activated. You can select only one.

Product Activation 1 Activate > 2 Designate Activatee > 3 Lock > 4 Complete Activate Please select the product(s) to activate and provide the quantity where applicable. Product Family : HP SmartStream Product Activated Av HP SmartStream Annual Prfight Mngr E-LTU L3J71AAE (Duration: 380 Davs) 0 1 HP SmartStream HPPageWideXL8000 E-LTU L3J72AAE 0 1 1 Cancel Next

- 4. You are asked whether you are activating for yourself or for someone else. Select for yourself.
- 5. You are asked for the locking code.

Product Activation	
1) Activate > (2) Designate Activatee > (3)	Lock > 4 Complete
Lock	
Please provide the requested Locking ID(s) for your or previous license activations.	r License Key(s). Enter a new Locking ID or select from the list of Locking IDs used
or previous license activations.	
Product Family : HP SmartStream	
Product Family : HP SmartStream	Lock to
HP SmartStream Annual Prflght Mngr E-LTU	Lock to Enter New Locking ID Use Existing Locking ID
Product	
Product HP SmartStream Annual Prlight Mngr E-LTU L3J71AAE	Enter New Locking ID Use Existing Locking ID
Product HP SmartStream Annual Prlight Mngr E-LTU L3J71AAE	Enter New Locking ID Use Existing Locking ID Locking code
Product HP SmartStream Annual Prlight Mngr E-LTU L3J71AAE	Enter New Locking ID Use Existing Locking ID Locking code

6. To get the locking code, go to the HP SmartStream application and click Licensing.

_	\$ ≡
Preview	Customer Involvement Program
	User's Guide
🛋 24 x 17.4 in 🥤 2	Licensing
🔲 Image 🛛	About
Rulers	Navigator

7. Click Add license.

Available licenses HP SmartStream current licens	e summary	
Licenses	Expires	
HPDesignJetT3500	Never expires	
HPDesignJetZ6X00	Never expires	
HPPageWideXL4000/4500	Never expires	
HPPageWideXL5000	Never expires	
HPPageWideXL8000	Never expires	
ange RMS Server		

8. Click Activate offline.

Activate HP SmartStream 2		
License EON (Entitlement Order Number):		
Email address used to buy license:		
Cannot connect to Interne ? Activate	offline	

NOTE: If this is the first HP SmartStream license you have added, you will need to follow steps 1–4 of the online activation process (above) to reach this point

9. $\frac{2}{2}$ Click locking code.

Activate license		
Activate HP SmartStream	2 offline	
Import a license file:		Browse
Display serv <mark>er locking code to</mark> Code required to generate the	configure offline. nse file on www.myhplio	censing.hp.com
Connected to Internet? Actival	e online	
	Cancel	Activate

10. Click Copy to clipboard.

Activate license

Locking code		×
*15Y9KFCFAAQGVQZ		
Copy to clipboard	і ОК	

- 11. Return to https://licensing.hp.com/slm/, paste in the locking code, and click Next.
- 12. You will receive an email message with the license in a ZIP file. You can also download the license immediately by clicking **Save**.
- 13. If you need any additional licenses, repeat the above process.

NOTE: You will see that the license you already selected has changed from Available to Activated.

14. When you have all the licenses you want, save them in a folder in the same computer on which $\overset{\text{max}}{\longrightarrow}$ HP SmartStream is installed.

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15. Return to the HP SmartStream application and click Browse.

Activate HP Sn	nartStream 2 offlir	ne	
Import a license	file:	[Browse
	cking code to configue generate license file		ensing.hp.com
Connected to Int	ernet? Activate online		

16. Select all the ZIP files containing the licenses.

4.3 USB Dongle activation

How to install the Preflight Manager license

- 1. Ensure that your printer is supported by HP SmartStream, and turned on.
- 2. Insert the HP SmartStream Preflight Manager license dongle into a USB port on the printer, marked with the USB symbol:

The front panel displays a message confirming that the license is ready for installation, and asks you to press **OK** to continue.

- 3. Press OK. Please wait, and do not remove the dongle.
- 4. The front panel asks you to press **OK** to restart the printer.
- 5. Press OK.
- 6. Remove the dongle from the USB port.

IMPORTANT: Keep the dongle: you will need it if you ever want to uninstall the license from this printer.

Now you are ready to install the Print Controller license.

How to install the Print Controller license

- 1. Ensure that your printer is supported by HP SmartStream, and turned on.
- 2. Insert the HP SmartStream Print Controller license dongle into a USB port on the printer, marked with the USB symbol:

The front panel displays a message confirming that the license is ready for installation, and asks you to press **OK** to continue.

- 3. Press **OK**. Please wait, and do not remove the dongle.
- 4. The front panel asks you to press **OK** to restart the printer.
- 5. Press OK.
- 6. Remove the dongle from the USB port.

IMPORTANT: Keep the dongle: you will need it if you ever want to uninstall the license.

7. To check that licenses have been correctly installed, you can use the printer's front panel to view general information about the printer (see the printer user's guide). It tells you which HP SmartStream licenses have

been installed, if any. The printer's Embedded Web Server also displays this information, near the top of the window, just under the green header bar.

8. The printer is now ready for use with HP SmartStream.

How to uninstall a Preflight Manager or Print Controller license

- 1. Ensure that the printer is turned on.
- 2. Insert the license dongle into a USB port on the printer, marked with the USB symbol:

The front panel displays a message confirming that the license can be uninstalled, and asks you to press **OK** to continue.

- 3. Press **OK**. Please wait, and do not remove the dongle.
- 4. When the process to uninstall is complete, remove the dongle and store it in a safe place. You may want to install it again later in the same printer or in another one.

4.4 Trial license activation

You intend to use an HP SmartStream trial license

A trial license enables you to use the software for 60 days without any other license. You can use more than one printer and run HP SmartStream on more than one computer.

For further information, see <u>http://hp.com/go/smartstreampagewidexl/software</u>. You can download the trial software from <u>www.hp.com/go/designjetsmartstream_trial</u>.

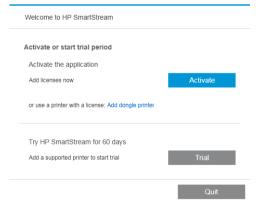
- 1. Ensure that you have at least one printer supported by HP SmartStream, which is turned on and connected to the local network.
- 2. Download the HP SmartStream Print Controller license corresponding to your printer model.
- **3.** Open your Web browser and enter your printer's IP address.
- 4. Once you are in the printer's Embedded Web Server, click the **Setup** tab, then **Firmware update**.

HP Designjet T7		Printer status: 🔗 Sleeping 😭
Main Configuration Printer settings Security E-mail server	Setup Support Firmware update Follow these steps to update vour printer's firmware.	Pelp about the Firmware update page
E-mailserver Notification Date & Time Maintenance Primware update Paper management	Concerning the specific of the from the View and download it to your hard disk drive. Prese, notce that the printer's current firmware version is: DRG2_DRP_ALPHA_3 Clickhere to access the latest firmware lise. Section to select the recently extracted file. Borree Click that your printer is tile before proceeding with the firmware update process. The firmware update could fail if your printer is busy (for example printing a) bo calcarband). Su to the UPDATE button to select the selected file to the printer. Su to the UPDATE button to send the selected file to the printer. When you update your firmware, your printer will reboot after the update. If you have any problems during this process or want more information, please contact your nearest support center	Important remarks: If you experience very allow progress while uploading the firmware file to the printer, the reason could be that you are using a proxy server in that case, by typassing the proxy server and accessing the Embedded Web Server directly. Refer to the User's guids for more details. Here are the other reacommended settings for better performance: Use the latest version of your browser. HITTP 1.1 should be used rather than HTTP 1.0. HITTP case be significantly faster than HTTP 1.0 uray need to change the printer network settings to allow HTTP. A 100baseT LAN is essential for fast throughput.
	Update	

5. If you have an HP DesignJet T3500 Production eMFP, click the **Manual firmware update** tab.

HP Designjet T3:	Print
Main Setup	Networking Customer Involvement Program Support
Configuration Printer settings	Firmware update
Security	Firmware information Release history Manual firmware update Firmware update settings
Internet connection HP Connected connectivity E-mail server Notification Scan to network Date & Time Anonymous usage information storage Maintenance	Follow these steps to update your printer's firmware: He 1. Locate the appropriate file from the Web and download it to your hard disk drive. Pa Note that the printer's current firmware version is: AENEAS_01_07_00.2 Imm Click here to access the latest firmware files. Imm 2. Extract the contents of the downloaded file to a folder in your computer's hard disk. Imm 3. Use the BROWSE button to select the recently extracted file. Imm
Firmware update	Browse
Paper management	 4. Check that your printer is idle before proceeding with the firmware update process. The firmware update could fail if your printer is busy (for example printing a job or calibrating). 5. Use the UPDATE button to send the selected file to the printer. When you update your firmware, your printer will reboot after the update. If you have any problems during this process or want more information, contact your nearest support center

- 6. Follow the instructions to upload the Print Controller license you just downloaded.
- 7. To check that the licenses have been correctly installed, you can use the printer's front panel to view general information about the printer (see the printer's user guide). It should tell you which HP SmartStream licenses have been installed, if any. The printer's Embedded Web Server also displays this information, near the top of the window, just under the green header bar.
- 8. Start the application. If no licenses are active, the license activation window should open automatically.



- 9. Click Trial.
- **10.** Enter the printer name and its IP address or hostname.

Printer installation	
Printer name:	
IP address / hostname:	(Max. 20 characters)
	Close

After activating whatever licenses you have, you can begin to use the HP SmartStream application. Your first step must always be to add a printer to the application; the user guide explains how to do this.

5 Recover a lost license

If your license server breaks down and your HP SmartStream licenses are lost, contact your support representative for assistance.

To recover the lost licenses, you must go to <u>http://myhplicensing.hp.com</u> and log in, giving the same email address that was used when the licenses were activated. From the portal, you can download the licenses again.