Loftware[®] NiceLabel

Loftware Printer Driver Installation Guide

Rev-2024-3



Table of Contents

1. Installing printer drivers	4
1.1. Installation with PrnInst	4
1.1.1. Introductory Steps	5
1.1.2. Network Port Installation Steps	8
1.1.2.1. Network port installation using network discovery	8
1.1.2.2. Manual Network port installation	10
1.1.3. USB Port Installation Steps	13
1.1.4. Bluetooth Port Installation Steps	14
1.1.5. Other Port Installation Steps	16
1.1.6. Printer Options	17
1.1.7. Installation Process	18
1.2. Windows Based Printer Driver Installation	19
1.2.1. Printer Driver Installation using Windows Tools	19
1.2.1.1. Plug and Play Driver Setup	20
1.2.1.2. Your printer driver is available on the Windows Update site	21
1.2.1.3. Manual printer driver installation - your printer driver is unavailable on	
the Windows Update site	21
1.2.1.4. Preinstalling printer drivers	21
1.2.1.4.1. Syntax	22
1.2.1.4.2. Sample	22
2. Removing printer drivers	23
2.1. Printer drivers removal with PrnInst	23
2.1.1. Removing one or more printer drivers	23
2.1.2. Removing preloaded printer drivers	25
2.2. Printer driver removal using Windows Tools	26
2.3. Removing drivers from Windows driver store	27
3. Updating printer drivers	28
3.1. Updating drivers with print jobs in Windows spooler	30
4. Troubleshooting	32
4.1. Locked Printer Driver	32
4.1.1. Example: Windows Explorer locks driver	32
4.2. Possible printer driver update issues	33
5. Appendix A: Installing printer drivers on Windows server and client machines	34
5.1. Installing drivers on servers	34
5.2. Adding printers on client computers	35
5.3. Upgrading drivers on servers	36
5.4. Upgrading drivers on clients	40
5.5. Changing Printing Defaults settings	41
5.6. Downgrading drivers	43
On the server	43
On the client	
5.7. Troubleshooting (removing drivers from servers)	45
6. Appendix B: PrnInst command line parameters for installing and removing printer drivers	48

INSTPRN – Printer driver installation	48
INSTMULTPRN – Installation of multiple Printers	49
LANG – Setting the PrnInst language	49
UNINSTALLPRN – Uninstall a specific printer	50
UNINSTALLALL – Uninstall all printers	51
NOLICENCE – No license display	51
DIR - Change start browsing path	51
PREINSTALL – Preinstall driver package	52
UNINSTALLPACKAGE – Uninstall driver package	52
INSTALLPORTMON – Silent installation of Advanced Port Monitor	52

1. Installing printer drivers

Use this document to learn how to install, upgrade, uninstall and troubleshoot Loftware printer drivers on your Windows system. This document refers to **Windows 10**, but you can apply similar steps to other supported Windows operating systems.

There are two ways to install Loftware printer drivers. We recommend you to use Loftware **PrnInst** application. You can run **PrnInst** application as a graphical user interface (a wizard) or via the command-line interface. The alternative option is to use the Windows **Add printer or scanner** process.



NOTE

Before starting with printer driver installation, make sure you are logged in as an administrator.

1.1. Installation with PrnInst

Printer Installation Wizard (PrnInst) is a wizard type of application to install Loftware printer drivers on your Windows system.

PrnInst based driver installation is available for printing devices that are connected to a LAN network or any other computer port.

Download your Loftware printer driver from the printer download page and run the downloaded selfextractable .exe file. PrnInst application starts automatically. Follow the below described wizard steps to install the driver.



NOTE

Disable printer mapping when you install your printer driver using the remote desktop connection. To disable printer mapping, open the **Remote Desktop Connection** window and deselect **Printers** option in the **Local Resources** tab.

3	Remote Desktop Connection 🛛 🗖 🗙
	Remote Desktop Connection
General Di Remote au	isplay Local Resources Programs Experience Advanced Idio Configure remote audio settings.
Keyboard	Apply Windows key combinations: Only when using the full screen
- Local devi	ces and resources Choose the devices and resources that you want to use in your remote session. ■ Printers ■ Clipboard More
Hide Opt	ions Connect <u>H</u> elp

1.1.1. Introductory Steps

To complete introductory PrnInst steps:

1. Double click your downloaded driver package .exe file and click the **Unzip** button.

WinZip Self-Extractor -	×
To unzip all files in to the specified folder press the Unzip button.	Unzip
Unzip to folder:	Run WinZip
Printer Drivers\c Browse	Close
✓ Overwrite files without prompting	About
When done unzipping open: PRNINST	Help

2. After your files self-extract, click **OK**.

WinZip Self-Extractor	×
189 file(s) unzipped successfully	
ОК	

- 3. Allow your computer to run the printer install wizard.
- 4. Welcome screen appears. Click Next.

Printer Installation Wizard	
Loftware	This wizard will help you install, update or remove printer drivers.
	Version 10.5.5.2 Copyright (c) 2024 Euro Plus d.o.o. All Rights Reserved.
	Exit < Previous Next >

5. Select Install Printer Driver and click Next.

Printer Inst	allation Wizard	
	ation Options ase select one of the driver installation or removal options.	Loftware ⁻
\rightarrow	Install Printer Driver Installs printer driver.	
\rightarrow	Update Printer Drivers No suitable printer driver is already installed.	
\rightarrow	Uninstall Printer Drivers Uninstalls one or more printer drivers.	
\rightarrow	Remove Preloaded Drivers No previously preloaded drivers found.	
	Exit < Pr	vevious Next >

6. Accept the terms of the License agreement and click Next.



7. Select printer port and click **Next**.

Printer Installation Wizard	
Select Port Select port to which the printer is attached.	Loftware ⁻
→ Network Port Ethernet (LAN) or Wireless (WiFi) installation.	
→ USB Port Installation of USB Plug and play device.	
→ Other Installation on Serial (COM) or Parallel (LPT) ports.	
Exit < P	Next >

Steps for the available printer port options are described in dedicated topics:

- Network Port Installation Steps
- Section 1.1.3, "USB Port Installation Steps"
- Section 1.1.4, "Bluetooth Port Installation Steps"
- Section 1.1.5, "Other Port Installation Steps"

NOTE

Check the available ports on your printer before you select the printer port you want to use at installation. Some printer models have only a limited selection of printer ports.

1.1.2. Network Port Installation Steps

After selecting the network port, install one of the printers that are discovered on the network, or install the printer manually.

1.1.2.1. Network port installation using network discovery

Detect Network Printer window opens after starting the network port installation process.

1. Select the detected network printer and click Add.

Printer Installation Wizard	
Detect Network Printer Please select the printer found on the local network.	Loftware ⁻
The listed printers were found on the network. Please select the desire press the Add button. Press Manual button if your printer is not listed.	d printer and
(192. and 131)	
(192. 192. 193) (192. 195)	
	Refresh
Exit < Previous Ma	anual Add



NOTE

Network ports that are in use are listed at the bottom of the list and grayed out.



NOTE

For printers that identify themselves by their series (and not by the exact model), select from the listed series of printers. This series may include multiple printer models. The selection directs you to the Printer options step.

2. If specific models of the detected printer's vendor are listed, select the appropriate one and click **Next**.

elect Printer Please select the printer that you would like to install.	Loftware NiceLabel
	~

- 3. Wizard redirects you to the Printer options step.
- 4. Follow the wizard to install your printer driver.



NOTE

Network discovery is available if the printer model supports bidirectional communication.

1.1.2.2. Manual Network port installation

Detect Network Printer window opens after starting the network port installation process.

1. To start the manual network port printer driver installation, click Manual.

Printer Installation Wizard				
Detect Network Printer			- 1	oftware
Please select the printer fo	und on the loca	I network.		
The listed printers were found of press the Add button. Press Ma				and
(192.)	131)			
(192.	tit het 73)			
	-,			
				Refresh
	Exit	< Previous	Manual	Add
				_

2. Select your printer model.

Select Printer Please select the printer that you would like to i	nstall.
1000 - 1001 - 1000	· · · · · · · · · · · · · · · · · · ·
desire one day with a	
Andres - California - Anna B	
weathy series and	
And the local difference of th	
weather	

- 3. In **Select Network Port** window select which network port your printer will connect to.
 - Create a new network port option opens the Add Network Port window.

Create a new network port			
Use an existing port:			
Port	Туре	Configuration	^
LAN_	TCP/IP Advanced Port	192. 3:9100	
LAN	TCP/IP Advanced Port	192. 3:9100	
LAN_	There is a second of the	192. 7:790	
LAN_	. TCP/IP Advanced Port	192. :9100	
LAN_	TCP/IP Advanced Port	192. :9100	
LAN_	TCP/IP Advanced Port	192. :9100	
LAN_	TCP/IP Advanced Port	192. :9100	
			\mathbf{v}

Printer Installation Wizard				
Add Network Port Enter port configuration fo	the desired print	ter.	50	Loftware
Port name:	LAN_My_Netw	ork_printer		
Printer Name or IP Address:				
Port number:	9100			
		Exit	< Previous	Next >

• Port Name: defines the name for the newly created network port.



IMPORTANT

Use the "LAN_" prefix in the **Port Name** to signal the printer driver that this is a bidirectional enabled port. Without the "LAN_" prefix, bidirectional communication stops and disables printer status checking.

Example:

LAN_MyPrinter_300 dpi

- **Printer Name or IP Address**: defines which printer connects to the newly created network port.
- **Port Number**: number of the newly created network port. PrnInst suggests the number automatically.

• Use an existing port: selects an automatically detected network port to connect the printer.

Select Network Port			Loftw	ar
Select the port your printe	er is connected to.			
Create a new network por	t			
Use an existing port:				
Port	Туре	Configura	tion	^
LAN_	TCP/IP Advanced Port	192.1	23:9100	
LAN_	TCP/IP Advanced Port	192.1	23:9100	
LAN_	SATOV6 Advanced P	192.1	37:790	
LAN_	TCP/IP Advanced Port	192.1	3:9100	
LAN_	TCP/IP Advanced Port	192.1	2:9100	
LAN_	TCP/IP Advanced Port	192.1	4:9100	
LAN_	TCP/IP Advanced Port	192.1	3:9100	
				~
Show all ports			Configur	е

- Enable **Show all ports** option to list all available (also non-network) ports.
- · Click Next to proceed to Printer Options step.

1.1.3. USB Port Installation Steps

Start USB printer installation without your printer connected to your computer.

	Printer inst	allation Wiza	aru	
Detect USB Printer	t printer connected t	o USB port	- -	Loftware
Automatically detec	a princer connected (0 0 0 D poit.		
	printer to USB port and turned on please			

Connect and turn on your USB printer when the installation wizard prompts you.

When installing a USB printer, PrnInst automatically detects the connected printer using Plug and Play functionality.

- 1. PrnInst takes you to the final stage of the printer driver installation process. The Printer option window opens.
- 2. If the printer driver for the connected printer is already installed, PrnInst offers you to update your driver. Click **Next** to proceed to Printer driver update.

If your driver doesn't recognize your printer's Plug and Play ID, the **Select Printer** window opens.

Select Printer Please select the printer that you would like to inst	all.
Audit: 1995. and	
TARGET CONTRACTOR CONTRACTOR	

3. Click **Next** after you select your printer model. PrnInst takes you to the final stage of the printer driver installation process. The Printer option window opens.

1.1.4. Bluetooth Port Installation Steps

After selecting the Bluetooth port printer connection option, follow the steps below.

1. PrnInst automatically scans for the available Bluetooth printers. Make sure your printer is turned on and visible.

💇 Add a device	- □ ×
Choose a device or printer to add to this PC	
Printer	
Not finding what you're looking for?	
	Next Cancel

Once PrnInst detects your Bluetooth printer, click Next.

- 2. Pair the Bluetooth printer with your computer. To complete the pairing, the passcode on your installation window must match the passcode your printer prints:
 - If the passcodes match, click Yes. This continues the installation.
 - If the passcodes do not match, click No. This restarts the installation. Once the passcodes match, click Yes to continue.
- 3. Select the printer you wish to install. Click Next to proceed to the Printer Options step.

Select Printer Please select the printer that you would like to i	install.
Allowing the second second	
water then the with	
weeking to be a second to be a second	
And the Logistics of Conservation	
water i bere i bere i ber	
And the state of the same	
weather internet from second	
wanters	
water - remove - wreet	

1.1.5. Other Port Installation Steps

Other port selection allows you to connect your printer to parallel (LPT), serial (COM), or other ports that are not listed in the initial port selection step. After selecting the **Other** port connection option, follow the steps below.

1. Select your printer model.

Select Printer Please select the printer that you v	would like to install.	늘 Lof	tware
			^
			Ŷ

2. Define the port for connecting your printer. You can select the existing port or add a new port,

ter Installation Wizard Select Local Port Select the port your printer is	connected to.	Loftware
Port	Туре	Configuration ^
LPT1:	Printer Port	
LPT2:	Printer Port	
LPT3:	Printer Port	
COM1:	Serial Port	
COM2:	Serial Port	
COM3:	Serial Port	
COM4:	Serial Port	
FILE:	Local Port	
LAN_EIDOS_XTOXL6ie	Advanced Port Monitor	192.168.148.211:16664
C:\ProoramData\TechSmith\Sna	Local Port	*
	Ad	d Port Configure
	Exit	< Previous Next >

- Add Port... opens Advanced TCP/IP Port Configuration window. Configure and use this port for your network printers.
- **Configure** Change settings to the existing port.
- 3. Click Next to proceed to Printer options.

1.1.6. Printer Options

In the Printer Options window, you can set or change your printer identity parameters.

Printer Options Please select printer	options before installation.
Printer <u>n</u> ame:	NiceLabel Printer 300DPI
Driver version:	10.0.23373
Port name:	LPT1:
Select language:	English
Location:	John's office
Comment:	Check for the right stock before you print
I want to use this	printer as the Windows default printer

- **Printer name**. You can change the default printer name provided by the driver installation. You can set your custom printer name to make it easily recognizable after the installation.
- Select language. Select the language you prefer during the installation.



NOTE

The actual driver User Interface (UI) language on your computer might be different form the language you selected during the installation. The driver UI language depends on your computer **Language settings**.

- Location: adds information about the physical location of your printer. This way you can locate your
 printer in case there are multiple printers installed on your computer. Location input is just your
 comment and does not affect driver functionality. You can also add or change your Location data in
 Printer Properties > General after you install your driver.
- Comment: adds additional information or comments about your printer. Use this option also to identify your printer in case you have multiple printers installed on your computer. Comment input is just your remark and does not affect driver functionality. You can also add or change your Comment data in Printer Properties > General tab after you install your driver.

Enable I want to use this printer as the Windows default printer to set the current printer as the default system printer.



NOTE

You can change your default printer later in Printers & scanners on your system.

Click Install to initiate the printer driver installation process.

1.1.7. Installation Process

The printer driver installation window appears after you click Install.



The Summary window appears after a successful installation.

Summary Operation completed. Please read the summary below.	Loftware
Installed printers:	
Installation of NiceLabel Printer 300DPI (ver. 10.0.0.23373) on port	LPT1:succeeded.
	pen printing preferences

To get familiar with the installation specifics of your printer, enable the **Open the Printer Installation Guidelines** when the wizard closes. After completing the installation, the **Help** window opens, explaining the necessary steps for successful printing with the newly installed printer. Click **Open printing preferences** to change the default settings of your printer. You can set up your printer also later, in Windows settings, **Printers & scanners** section.

Click **Install another printer** if you wish to continue installing additional printers from the same manufacturer.

1.2. Windows Based Printer Driver Installation



NOTE

Use this method only in special situations, where PrnInst is not acceptable.

You can install your Loftware printer driver using Windows tools. Installation is the same as with other Windows-based printer drivers.

1.2.1. Printer Driver Installation using Windows Tools



WARNING

Windows Tools driver installation won't update other Loftware printer drivers from the same printer family and might also corrupt the other drivers from the same printer family. Before you install printer drivers using Windows tools, uninstall all printer drivers from the same printer family.



WARNING

Windows Tools driver installation will uninstall all third-party printer drivers from the same printer family and replace them with Loftware printer drivers.



NOTE

For this type of installation, your computer must be connected to the internet.

You can install your printer driver using Windows tools:

- Plug and Play. Install your printer driver from Windows Update services.
- · Add a printer or scanner option in the Printers & scanners section in Windows Settings.

Use Windows Installer on computers that are connected to printers using:

• USB port

• Parallel port (LPT)

1.2.1.1. Plug and Play Driver Setup

During this procedure, Windows automatically detects your newly connected printer using a plug-and-play event on USB and LPT ports.

To install your Loftware printer driver:

- 1. Connect your printer to a USB or LPT port on your computer.
- 2. Turn on your printer.
- 3. Your computer automatically locates the driver online and downloads the installation package to your computer. Automatic installation follows immediately.

Your printer is now ready for printing.



NOTE

Automatic printer detection is supported on USB and LPT ports only. Use PrnInst to install your driver on other ports.

The Add a printer detection procedure differs between various operating systems.

The operating system automatically checks Windows Update and installs the driver.

Device Setup	×
Installing device.	 Please wait while Setup installs necessary files on your system. This may take several minutes.
	Close

The installation procedure differs if the printer driver is available on the Windows Update site or not. See the scenarios in the following two subsections.

1.2.1.2. Your printer driver is available on the Windows Update site

Your printer driver automatically downloads and installs. A system notification message displays when installation is complete. If you click the notification message, the new **Driver Software Installation** dialog displays. Monitor the installation status using this dialog:

Driver Software Installation	solution presses all iffer his	×
Your device is ready to use		
USB Printing Support	Ready to use Ready to use	
		Close

1.2.1.3. Manual printer driver installation - your printer driver is unavailable on the Windows Update site

If your printer driver is unavailable on the Windows Update site, download the printer driver to your disk. Follow these steps to install your Loftware printer driver using the manual Windows **Add a printer** procedure.

- 1. Connect your printer to your computer.
- 2. Turn on your printer.
- 3. Windows detects your printer.
- 4. Windows Update automatically checks for the printer driver online and fails. Start with manual installation.



NOTE

The manual driver installation varies between various operating systems.

- 5. Open Control Panel and go to Hardware and Sound > Devices and Printers > Device Manager
- 6. Expand node **Other devices**. Your installed printer is listed there.
- 7. Right-click the printer and select **Update Driver Software**.
- 8. At the prompt How do you want to search for driver software? select Browse my computer for driver software.

1.2.1.4. Preinstalling printer drivers

Use driver pre-installation process to:

- Speed up your installation process without the Windows Update process.
- Simplify the USB printer installation in cases when printer drivers are not available on the Windows Update site.

To preinstall your printer driver, use the PrnInst command line options. If your system detects a new device via plug and play event (on USB or parallel port), Windows automatically installs the preinstalled printer driver. It doesn't connect to Windows Update for the driver.

1.2.1.4.1. SYNTAX

PrnInst.exe /PREINSTALL=<**full** path to INF file>

1.2.1.4.2. SAMPLE

PrnInst.exe /PREINSTALL=C:\Drivers\SAMPLE_DRIVER\SAMPLE_DRIVER.inf

2. Removing printer drivers

You can remove your Loftware printer drivers using PrnInst application or with Windows administrative tools.



NOTE

To remove your printer drivers, log in to Windows as a user with sufficient rights.

When removing your printer drivers, make sure that:

- Your printer is not set as a default printer.
- There are no print jobs waiting in the print queue.
- Your printer is not locked by the Windows spooler process.

If you can't delete your printer drivers, perform one of the following actions:

- Restart Windows spooler.
- · Delete print jobs from the Windows spooler.
- Restart your computer.

2.1. Printer drivers removal with PrnInst

2.1.1. Removing one or more printer drivers

- 1. Run PrnInst.exe.
- 2. The welcome screen opens. Click Next.

Printer Installation Wizard	
Loftware	This wizard will help you install, update or remove printer drivers.
- 25	
E. 1	Version 10.5.5.2 Copyright (c) 2024 Euro Plus d.o.o. All Rights Reserved.
	Exit < Previous Next >

3. Select Uninstall Printer Drivers.



4. Select printer drivers you want to remove.

Printer I	nstallation Wizard				
Unii	nstall Printer Driver Please choose the printer	you want to uni	nstall	Sa Lo	oftware
		,			
Sele	ect the printers from the list	you want to uni	nstall:		
×	Printer name				~
	CHERTCH				
	Chargementation				
	Dolement 2158-0414	_			
	Delement				
	Dermanus (# 11200				
	Derrares #12,212 Chart				
	Demana Auto 11222				
	Domaine Automatic Chart				
	Line (112ee1)				
	Line Coetin,#				~
Num	ber of selected printers: 1				
F	Remove unused ports				
			Exit	< Previous	Next >

Enable **Remove unused ports** to remove your printer port after you uninstall your driver. Uninstalling your driver removes the printer port only if no other printer uses this port.



NOTE

Remove unused ports removes only Loftware Advanced Port Monitor ports. This option does not remove Standard TCP/IP, USB, LPT, and other ports.

5. Click **Next** to finish the removal process and check the summary.

rinter Installation Wizard	
Summary	Loftware
Operation completed. Please read the summary below.	
Uninstalling following printer(s) from the system:	
- NiceLabel Printer 200dpisucceeded.	
- NiceLabel Printer 300dpisucceeded.	
- NiceLabel Printer 600dpisucceeded.	
Deleted printer port(s):	
- LAN_NiceLabel_Printer_300dpisucceeded.	
- LAN_NiceLabel_Printer_600dpisucceeded.	
	Exit
	<u> </u>

2.1.2. Removing preloaded printer drivers

You can remove one or more preloaded drivers at the same time.



NOTE

The **Remove Preloaded Drivers** option only removes the driver installation files from the system. To uninstall your drivers, select the option **Uninstall Printer Drivers**.

- 1. Start PrnInst and click Next.
- 2. Select Remove Preloaded Drivers.



3. Click Next.

4. Select printers you want to remove, then click **Next**.

Printer I	nstallation Wizard		
	nove Driver Package Please choose the driver package you w system. ct the drivers from the list you want to rer	ant to remove from the	Loftware
V	Manufacturer	Version	
-	interes.	0.9.33.21914	
Y		10.0.23373	
Inf fi	ile: C:\WINDOWS\inf\oem14.inf		
		Exit < Previo	Next >

2.2. Printer driver removal using Windows Tools



NOTE

Use this method only in special situations, where PrnInst is not acceptable.

You can remove your printer drivers in **Print Management** console.



NOTE

On some Windows systems, **Print Management** console is not enabled by default.

- 1. To open the **Print Management** console, press **Windows** key and type "Print Management".
- 2. Expand **Print Servers** > **Your_computer_name**.
- 3. Click **Printers** node.
- 4. Select the printer and delete it.
- 5. Click **Drivers** node.
- 6. Right-click your driver, then click **Remove Driver Package...**

Your printer driver is now removed from the system.

2.3. Removing drivers from Windows driver store

To completely remove your driver files, first uninstall your printer driver. See section Printer drivers removal. When you remove your printer driver from your computer, this procedure only removes the printer as a device. Driver files still exist on the disk. When you connect your printer next time, Windows installs the stored previously-used printer driver. To verify which drivers are stored in the system, do the following:

- 1. Run Command Prompt as an administrator.
- 2. Enter the command: pnputil.exe -e
- 3. A list of all INF files for installed drivers appears. The files are listed as

```
oem<number>.inf

Published name :
Driver package provider :
Class :
Driver date and version :
Driver name :
Driver name :
Driver date and version :
Driver date and versi
```

- 4. Search for the right INF file. Check for:
 - Driver package provider.
 - Driver date and version.
- 5. Delete the driver files using the following command: pnputil.exe -f -d oem<number>.inf

Your driver and all the driver files are now removed from the system.

3. Updating printer drivers

You can update your printer drivers with the PrnInst application. the procedure is similar to installing printer drivers using PrnInst.

If you installed several drivers from the same printer driver distribution, the drivers for all these printers will be updated if you update just one driver.

To update your printer driver:

- 1. Run PrnInst.exe.
- 2. The welcome screen opens. Click Next.

Select Printer Please select the printer that you	ould like to install.
States when the street	
Trans	
Control Control of Case	
And the second state of th	
weather in the logs wanted	
Sugar - Canada - San an	
- FRANK - FRANK - FRANK	

3. Installation Options window opens. Click Update Printer Drivers option.



4. In the **Update Printer Driver** step you can select or deselect all printer drivers. You can't select or deselect only certain drivers.

1	Updates one or more already installed pri	nter drivers.	Loftware
	t printer drivers that will be updated. rs that share files will be updated at sam	e time.	
	Printer name	Installed version	New version
	NiceLabel Printer 300DPI	10.0.0.23373	10.0.0.23373
	ARRITE - PRIME - PRIME - PRI	41010-000	10.0.0.23373
v	NAMES OF TAXABLE PARTY OF TAXABLE PARTY.	10003307	10.0.0.23373
~	NAMES OF TAXABLE PROPERTY AND ADDRESS OF	10.003307	10.0.0.23373
V	water - Finish delate - Ph	10.0123371	10.0.23373
V	No. 107 (11) - 228 (1-711) (0.000) (0.000)	10.003337	10.0.23373
	MANDERS, SHERE, FRANK, SHERE ST.	10003337	10.0.0.23373

5. Compare the **Installed version** column with the **New version** column for details about the version upgrade. Click **Update**.



NOTE

Grayed-out printers are currently missing and can't be updated.

6. The **Summary** window opens after a successful drivers update.

Summary Operation completed. Please read the summary below.	Loftware
Updating following printer(s) from the system:	^
Hedde of Nicel and Drinker 2000DI from uppeing	
- Update of NiceLabel Printer 300DPI from version 0 10.0.0.23373succeeded.	
- Update of	
10.0.0 2337	
- Update of	100000000000
10.0.23373	
- Update of	11 11 1 X 14 1 X 14 1
10.0.0.23373	
- Update of	
10.0.23373	
- Update of	10101-000-000-000-000-000-000-000-000-0
10.0.0.23373	~
	000

7. Click Exit to close PrnInst.

Your printer drivers are now updated.

3.1. Updating drivers with print jobs in Windows spooler

If print jobs are waiting in the Windows spooler, PrnInst displays a notification:

	PrnInst - Print Jobs	
Remove print jobs from All print jobs must be	m spooler removed before continuing	Loftware
	them from printer spoo	
	○ <u>A</u> utomatic mode	
		zard will delete all jobs that are he uninstallation procedure

You can update your driver in:

• **Manual mode**. Manually remove current print jobs from the spooler. To check if the queue is empty and to continue with the driver update, click **Refresh**.

• Automatic mode. PrnInst deletes all print jobs from the spooler and continues with the updating.

To verify that your printer drivers are updated, check the driver version in the **About** tab after the update. If the old version displays, restart Windows to finish the update process.

4. Troubleshooting

4.1. Locked Printer Driver

During the installation, PrnInst checks for applications that could lock the printer driver files and prevent the installation. The installation wizard displays locking applications.



WARNING

You can't install, uninstall or upgrade locked drivers.

To unlock your printer driver:

- · Close the applications that are locking your printer driver.
- Cancel the installation and restart your computer. After restarting, repeat the installation procedure.
- If closing the application window has no effect, use **Task Manager** to end the tasks. See the examples below.
- Continue with the installation. The installation process creates copies of driver files and completes the installation after you restart your computer.

4.1.1. Example: Windows Explorer locks driver

Restart Windows Explorer process in Task Manager > Processes tab. Right-click Windows Explorer process and click Restart.

The driver is locked	by another process	🗖 Loftware
Close applications	locking the driver, and press <retry></retry>	
The driver files are locke	d by the following processes. Please close a	all applications to release th
	continue or "Ignore" to force uninstalling d	
explorer.exe		

<u>~</u>	Task Manager		_ □	×
File Options View				
Processes Performance App history Startup Users	Details Services			
	<u>^</u>		2%	3
Name		Status	CPU	Merr
Service Host: Local System (14)			0%	26,
Service Host: Local System (Network Restricted)	(8)		0%	25,4
Service Host: Network Service (5)			0%	8,
Service Host: Remote Procedure Call (2)			0%	5,1
Services and Controller app			0%	4,3
💽 System			0,1%	0,
System interrupts			0,1%	(
b toto			0%	2,0
📜 Windows Explorer			0,2%	51,9
Windows Logon Application			0%	0,0
🔟 Windows Session Manager			0%	0,3
Windows Start-Up Application			0%	0,4
c in the second s				>
Fewer <u>d</u> etails			Re	start

Now you can click **Retry** in your driver installation window. Installation should be complete.

4.2. Possible printer driver update issues

When you install a new driver, the installer also updates all other drivers from the same printer brand. The following issues prevent the installation of your new driver:

- Another application locked your printer driver. See the topic about locked printer drivers to resolve the issue.
- There are print jobs in the spooler waiting to be printed. Wait for the print jobs to be printed or delete print jobs from the Windows spooler.

Restarting your computer resolves most of the issues. After the restart, try again with the installation process. We recommend using PrnInst installation utility. These are the advantages of PrnInst method of installation:

- PrnInst informs you about possible issues.
- PrnInst helps you resolving problems, which might occur the driver update.

To verify that your printer drivers are updated, check the driver version in the **About** tab after the update. If the old version displays, restart Windows to finish the update process.

5. Appendix A: Installing printer drivers on Windows server and client machines

Use this topic to learn how to install, upgrade, and downgrade shared Loftware printer drivers on your servers and clients. This document refers to the server OS **Windows Server 2016**, and the client OS **Windows 10**, but you can apply similar steps to other supported Windows operating systems.



NOTE

We recommend local printer driver installations, but shared printer drivers are the preferred option in some complex environments.

When upgrading, local Loftware driver installations upgrade all the files and all the printers from the same printer manufacturer, while shared printer drivers do not.

Installing your printer drivers with other methods can cause problems. Your printer spooler may freeze or crash, or you may face compatibility issues when you install drivers on 32-bit clients.

5.1. Installing drivers on servers

This topic explains how to install Loftware drivers on Windows Server 2016.

1. Download the latest Loftware driver and run the .exe file to unzip and start your **PrnInst** application.

Printer Installation Wizard		
Installing Printer Driver Printer Installation Wizard is insta		Loftware
	ang tre printer unver.	
Copying driver files to the system	n 1-42e0-b672-e215e90fdee5}\NL_	dli
	1-4260-0072-0213630146635146 <u>-</u>	u
	Easily design and prin	
	barcode labels	
57 📄	Get your free trial	
6		
		Cancel

 On your server, go to Printer Properties > Sharing and select Share this printer. Then click Additional Drivers... to share your newly installed printer.



3. If you use a 32-bit client, select **x86** to enable the 32-bit version of your driver.

ditional Driv	rers	
	l additional drivers so that users on m automatically when they connec	
rocessor	Туре	Installed
x64	Type 3 - User Mode	Yes
x86	Type 3 - User Mode	No

5.2. Adding printers on client computers

This topic explains how to add printers (register shared Loftware drivers) on 32-bit or 64-bit Windows 10 clients. Your printer drivers should already be installed on your server.

- 1. In your client file explorer, connect to the server where you installed your printer drivers. (\\your_server\)
- 2. Double-click the printer you want to add.

- → • ↑ -	> Network	k → HLK_W2016 v Ö Search HLK_W2016		
Quick access Desktop Downloads Documents Pictures	* * * *	ZEBRA ZT410-203dpi ZPL		
Music Videos OneDrive This PC		Connecting to ZEBRA ZT410-203dpi ZPL on HLK_W2016 Looking for a driver		
		Cancel		

3. Repeat this process to add additional printers.

5.3. Upgrading drivers on servers

This topic describes how to upgrade both 64-bit and 32-bit drivers on your servers.

1. Download the latest Loftware driver and run the .exe file to unzip and start your **PrnInst** application.



NOTE

PrnInst does not upgrade your 32-bit drivers. After this step, 32-bit drivers remain on your servers unchanged.

2. First, remove your 32-bit drivers. In **Print Management**, go to **Drivers**, right-click the driver you want to upgrade, and click **Remove Driver Package...**
| 🕨 🔿 🚈 📰 🗙 📑 👔 | | | | | - | | _ |
|---|------------------------------|-------------------------------|------------------------------------|------------------------|------------------------|-----------------|---|
| Print Management
Custom Filters | Driver Name | Environment | Driver Version | Driver Date | Provider | Actions | |
| All Printers (3) | Microsoft enhanced Point and | | 10.0.14393.4169
10.0.14393.4169 | 6/21/2006
6/21/2006 | Microsoft
Microsoft | Drivers | |
| All Drivers (6) | Microsoft enhanced Point and | Windows N1 x80
Windows x64 | 10.0.14393.4169 | 6/21/2006 | Microsoft | More Actions | |
| > 📝 Printers Not Ready | Microsoft XPS Document Write | | 10.0.14393.0 | 6/21/2006 | Microsoft | ZEBRA ZT410-203 | |
| Printers With Jobs Print Servers | ZEBRA ZT410-203dpi ZPL | Windows x64 | 8.5.0.20957 | 11/8/2020 | NiceLabel | More Actions | |
| HLK_W2016 (local) Drivers | ZEBRA ZT410-203dpi ZPL | Remove Driver Pack | | 11/8/2020 | NiceLabel | | |
| > Proms | 5 | Set Driver Isolation | > | | | | |
| > 📮 Ports | 1 | Properties | | | | | |
| Printers | | Delete | | | | | |
| Deployed Printers | | | | | | | |
| | | Help | | | | | |

In **Printer Properties > Sharing > Additional Drivers...** select **x86** to enable the 32-bit version of your driver and show the new driver location.

dditional Driv	rers	
	l additional drivers so that users on m automatically when they connec	
Processor	Туре	Installed
🗸 хб4	Type 3 - User Mode	Yes
🗸 x86	Type 3 - User Mode	No

ver Name Driver Name (_W2016 (lo Microsoft Print To PDF (_W2016 (lo ZEBRA ZT410-203dpi ZPL river Settings a username er will not settings, of the to the



WARNING

It is also possible to upgrade from **Drivers and Printers** > **Printer properties** > **Drivers** with the **Add Printer Driver Wizard**. But we don't recommend this procedure because it may cause problems with mismatched driver files and lead to print spooler crashes.



After you upgrade your 64-bit and 32-bit drivers, verify the file creation dates. Your 32-bit and 64-bit versions should have the same timestamp.

Compare the following files:

- "C:\Windows\System32\spool\drivers\W32X86\3\" for 32-bit.
- "C:\Windows\System32\spool\drivers\x64\3\" for 64-bit.

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		client	-	- 🗆 X ~ 😮	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	64bit s	erver		- 0	> ~
÷ → × ↑ 📙 « dr	rivers > w32x86 > 3 > v (5 O Search 3			← → * ↑ <mark> </mark> « W	/indows > System32 > spool > drivers > x64	> 3 > 🗸 🗸	Ö Search 3		م ر
Quick access Desktop Downloads Downloa	Name ^ en-US mui temp FpErsame FSSRVDLL FSSRSDLL FSSRSDLL FSSRSDLL FSSUDLL FSSUDLL	Date modified 12/7/2019 7:42 AM 9/22/2020 10:35 PM 10/19/2020 5:57 AM 9/22/2020 10:28 PM 9/22/2020 10:28 PM 9/22/2020 10:28 PM 9/22/2020 10:28 PM 9/22/2020 10:28 PM	Type File folder File folder File folder SME File Application exten Application exten Application exten Application exten	Size •		Name en-US mui EpiErsane LOCALE.GPD MSUPSING.GPD MSUPSING.GPD MSUPSING.PPD MSUPSING.PPD MSUPSING.PD INL_Zehra_ZT410-203dpi,ZPL.dat NL_Zehral.Mail	Date modified 9/12/2016 1:22 PM 9/12/2016 1:22 PM 7/16/2016 3:23 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM 10/29/2020 5:01 AM 11/8/2020 3:55 AM 11/8/2020 3:53 AM	Type File folder File folder SME File GPD File GPD File Application extens Application extens Application extens	14 1 880 152 2,621 923	2 KB I KB I KB
Network	LOCALE.GPD MSXPSINC.GPD MSXPSINC.PPD	12/7/2019 7:06 AM 12/7/2019 7:06 AM 12/7/2019 7:06 AM	GPD File GPD File PPD File	14 KB 1 KB 1 KB	Music Pictures Videos	NL_Zebraui.dll NL_Zebraui.res.dll P6DISP.GPD	11/8/2020 3:55 AM 11/8/2020 3:55 AM 7/16/2016 3:18 PM	Application extens Application extens GPD File	2,313 2,976 25	
	MXDWDRV.DLL NL,Zebra,ZT410-203dpi,ZPL.dat NL,Zebradrv.dll NL,Zebraui.dll NL,Zebraui.tes.dll P6DISP.GPD	1/14/2021 8:45 AM 11/8/2020 3:52 AM 11/8/2020 3:54 AM 11/8/2020 3:54 AM 11/8/2020 3:54 AM 11/8/2020 3:54 AM 12/7/2019 7:06 AM	Application exten DAT File Application exten Application exten Application exten GPD File	984 KB 152 KB 2,205 KB 1,933 KB 2,965 KB 25 KB	Local Disk (C:)	PFFONT.GPD CLARES.DLL CLSERES.DLL CLSERES.DLL CLSLSRES.DLL CLSL.GPD PL.CLSL.GPD	7/16/2016 3:18 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM 7/16/2016 3:18 PM	GPD File Application extens Application extens Application extens GPD File GPD File	283 1,011 1,011 201 11	KB
0 items State: 🎎 Share	P6FONT.GPD	12/7/2019 7:06 AM 12/7/2019 7:06 AM	GPD File Application exten	4 KB 282 KB 🗸	44 items	PILGPD PILMON.DLL	10/29/2020 5:10 AM	Application extens		КВ

Corresponding .dat files in both folders must be the same.

Corresponding .*dll* files must have the same timestamp but should have different versions. You can check the versions by comparing the file sizes.

5.4. Upgrading drivers on clients

In your client's file explorer, go to your shared printer location on your server. Double-click the printer to upgrade your local drivers (both 64-bit and 32-bit).



File Home Sha	updated files of re View				~	1
÷ → • ↑ 🔤 « (drivers > w32x86 > 3 >	5	O Search 3			
	Name		Date modified	Туре	Size	
📌 Quick access	en-US		12/7/2019 7:42 AM	File folder		
Desktop 🔊			9/22/2020 10:35 PM	File folder		
👆 Downloads 🛛 🛪			3/30/2021 10:01 AM	File folder		
🔮 Documents 🛛 🕫			10/19/2020 5:57 AM	File folder		
E Pictures			9/19/2018 3:23 PM	SME File	1 KB	
h Music	FXSAPI.DLL		9/22/2020 10:28 PM	Application exten	224 KB	
Videos	FXSDRV.DLL		9/22/2020 10:28 PM	Application exten	25 KB	
- Hacos	FXSRES.DLL		9/22/2020 10:28 PM	Application exten	6,851 KB	
lene OneDrive	FXSTIFF.DLL		9/22/2020 10:28 PM	Application exten	391 KB	
This PC	STATULE FXSUI.DLL		9/22/2020 10:28 PM	Application exten	118 KB	
	FXSWZRD.DLL		9/22/2020 10:28 PM	Application exten	115 KB	
💣 Network	LOCALE.GPD		12/7/2019 7:06 AM	GPD File	14 KB	
	MSXPSINC.GPD		12/7/2019 7:06 AM	GPD File	1 KB	
	MSXPSINC.PPD		12/7/2019 7:06 AM	PPD File	1 KB	
	MXDWDRV.DLL		1/14/2021 8:45 AM	Application exten	984 KB	
	NL_Zebra_ZT410-203dpi_ZPL.dat		1/15/2021 7:39 AM	DAT File	153 KB	1
	NL_Zebradrv.dll		1/15/2021 7:41 AM	Application exten	2,209 KB	
	NL_Zebraui.dll		1/15/2021 7:41 AM	Application exten	1,934 KB	
	NL_Zebraui.res.dll		1/15/2021 7:41 AM	Application exten	2,966 KB	
	P6DISP.GPD		12/7/2019 7:06 AM	GPD File	25 KB	
	P6FONT.GPD		12/7/2019 7:06 AM	GPD File	4 KB	

5.5. Changing Printing Defaults settings

If you change **Printing Defaults** settings on your server, your changes also apply to clients when you register drivers on your clients.



Changing Printer Defaults on your server.



NOTE

When you import driver settings (on your server, choose the **Import driver settings for all users** option.



5.6. Downgrading drivers

On rare occasions (for example, if the latest driver version has a bug), you may want to downgrade your newly installed driver on your servers and clients.

The downgrade and upgrade procedures differ because Windows doesn't automatically change driver versions during downgrades. Before you install an older version, remove your currently installed driver.

On the server

- 1. Run Prninst with the downgraded version.
- 2. Manually remove your currently installed 32-bit driver. In **Print Management**, go to **Drivers**, rightclick the driver you want to downgrade, and click **Remove Driver Package...**.

╞ 🔿 🚈 📅 🗙 🕞 🛙							
🕞 Print Management	Driver Name	Environment	Driver Version	Driver Isolation	Provider	Actions	
 Custom Filters Print Servers 	Microsoft enhanced Point and	Windows x64	10.0.14393.4169	None	Microsoft	Drivers	
 Print Servers HLK_W2016 (local) 	Microsoft enhanced Point and	Windows NT x86	10.0.14393.4169	None	Microsoft	More Actions	
Drivers	Microsoft Print To PDF	Windows x64	10.0.14393.0	None	Microsoft		
> 💭 Forms	Microsoft XPS Document Write		10.0.14393.0	None	Microsoft	ZEBRA ZT230-200dpi ZPL	
> 🔋 Ports	ZEBRA ZT230-200dpi ZPL	Windows x64	8.2.4.19404	None	NiceLabel	More Actions	
Printers	ZEBRA ZT230-200dpi ZPL	Windows NT x86	and the second se	Remove Driver Pa	ckage		
> 💼 Deployed Printers	# ZEBRA ZT410-300dpi ZPL	Windows x64	8.2.4.19404	Set Driver Isolation			
	EBRA ZT410-300dpi ZPL	Windows NT x86	8.2.4.19404		1. v.		
				Properties			
				Delete			
				Help			

3. Add 32-bit driver with the older version.

On the client

1. Go to **Device Manager > Print queues** and uninstall all printers using the driver you want to downgrade.



2. In **Print Management**, go to **Drivers**, right-click the driver you want to downgrade, and click **Remove Driver Package...**.

il		-	□ ; ~
> 🛧 🔜 > Network > HLK_W2016	ڻ v		
A Quick access ZEBRA ZT410-2	03dpi ZPL		
Desktop			
🕹 Downloads 🛛 🖈	N		
🗄 Documents 🖈			
📰 Pictures 🛛 🖈			
J Music			
📑 Videos			
📥 OneDrive			
💻 This PC			

3. In the client's file explorer go to your shared printer location on your server. Double-click the printer.

			* 🔻		
★ Name	Ext	Size	Date	Attr	↑ Name
倉[]		<dir></dir>			FXSWZRD
ZEBRA ZT410-300dp	oi ZPL				Gothic
					📑 Korean
					IdaNLMNT
					ldaPMS
					daPMU
					LOCALE
	1				Mincho

The driver on your client is now installed with the older version.

5.7. Troubleshooting (removing drivers from servers)

Driver installation on your server may go wrong due to a system failure, damaged installation file, or other reasons. When you try to print, your driver or spooler may crash.

To resolve such problems, remove your driver from the system and perform a clean install.

You can remove your driver in two ways:

 On your server, go to Control panel > Hardware > Devices and Printers. Right-click the driver, then click Remove device.

Devices and Print	ers					100		×
÷ → • ↑ व	> Control Panel	Hardware > D	evices and Print	ters	ٽ ~	Search Devices and	Printers	P
Add a device	Add a printer Se	what's printing	Print server	properties	Remove device		-	?
Generic Non-PnP Monitor Printers (4)	HLK_W2016	VMware Virtual disk SCSI Disk Device						
Microsoft Print to PDF	Microsoft XPS Document Writer	ZEBRA ZD500R-203dpi ZPL	ZEBRA ZT410-30 ZPL	Set as de Printing	at's printing fault printer preferences			
Unspecified (2)		ZPL	ZPL	Create sl	device 🧲			
				Propertie	es			
Intel(R) 82574L Gigabit Network Connection	SAS Controller							
S ZEB	RA ZT410-300dpi Z		Shared BRA ZT410-300d		0 document(s) in	queue		

- In Print Management on your server:
 - 1. Go to **Printers**, right-click your printer, and click **Delete**.

🔚 Print Management						- 0	Х
File Action View Help							
🗢 🄿 📶 🔚 🔀 🛛							
矈 Print Management	Printer Name	Queue Status	Jobs In	Server Name	Driver Name	Actions	
 Custom Filters Print Servers 	Microsoft Print to PDF	Ready	0	HLK_W2016 (lo		Printers	*
HLK_W2016 (local)	Microsoft XPS Document Writer	Ready	0		Microsoft XPS Document Writer	More Actions	•
# Drivers	CEBRA ZD500R-2024-1 ZDL Open Print	ter Queue		(IO	ZEBRA ZD500R-203dpi ZPL	ZEBRA ZD500R-203dpi ZPL	
> 🚰 Forms	Pause Prin	ting				More Actions	•
Printers	List in Dire	ctory					
> 📑 Deployed Printers	Deploy wit	h Group Policy					
	Set Printin	g Defaults					
	Manage SI	naring					
	Print Test P	Page					
	Enable Bra	nch Office Direct P	rinting				
	Properties	5					
	Delete	\leftarrow					
	Rename						
	Help						

2. Go to **Drivers**, select both 32-bit and 64-bit drivers, right-click, and click **Remove Driver Package...**.

🖶 Print Management File Action View Help Þ 🔿 📷 🗙 🗟 🔽							
🕞 Print Management > 🖻 Custom Filters	Driver Name	Environment Windows x64	Driver Version 10.0.14393.4169	Driver Isolation	Provider Microsoft	Actions Drivers	
Print Servers HLK W2016 (local) Drivers	Microsoft enhanced Point and Microsoft Print To PDF			None None	Microsoft Microsoft	More Actions	
> Forms	Microsoft XPS Document Write		10.0.14393.0	None	Microsoft	Selected Items	
 Ports Printers Deployed Printers 	EBRA ZD500R-203dpi ZPL	Windows x64 Windows NT x86	8.2.4.19404 8.2.4.19404	Remove Driver Pac Set Driver Isolation	kage 🧲	More Actions	
				Delete			
				Help			

After you remove your driver from your server, delete the remaining **Loftware driver files** in the folders:

- .dll files for 32-bit drivers: "C:\Windows\System32\spool\drivers\W32X86\3\"
- .dll files for 64-bit drivers: "C:\Windows\System32\spool\drivers\x64\3\"
- .dat files: "C:\Loftware Printer Drivers\<printer_brand>\Common\"



WARNING

Only delete Loftware files for the driver you want to remove. If you are not sure which Loftware files to delete, check the content of the installation package to find the *.dll* and *.dat* files you should delete in the folders mentioned above. The default location of the installation packages is "C:*Loftware Printer Drivers*"

6. Appendix B: PrnInst command line parameters for installing and removing printer drivers

You can install your printer drivers with PrnInst using Command prompt (CMD). With Command Line parameters you can also access the installation options that are not available with PrnInst wizard.

INSTPRN – Printer driver installation

Use this parameter to install a printer driver. Specify the printer name and the port that the printer uses. The specified printer name must match the actual name of your printer. To find out the correct name of your printer, see the <printer_brand> .INF file. It contains a list of all available printer names. Search for the .INF file in the folder, where you stored the printer driver installation files.

Syntax:

```
/INSTPRN=<driver name>#<port name>[#[<printer name>][#[<location>]
[#[<comment>]]]]
```

```
<driver name> - full printer driver name
```

```
<port name> - port name
```



IMPORTANT

Use the "LAN_" prefix in the **Port Name** to enable bidirectional communication between your printer and the driver. Without the "LAN_" prefix, printer status checking is disabled

LAN_MyPrinter_300 dpi

LAN_SatoPrinter_300 dpi

<printer name> - printer name

<location> - printer location (optional)

<comment> - information for users (optional)

Samples:

PrnInst.exe /INSTPRN=PrinterDriver#LPT1:

PrnInst.exe /INSTPRN=PrinterDriver#LPT1:#MyPrinterName#MyLocation#MyComment

PrnInst.exe /INSTPRN=PrinterDriver#LPT1:###CommentOnly

INSTMULTPRN – Installation of multiple Printers

Use this parameter to install drivers for multiple printers simultaneously. Specify the printer name and the printer port. The printer name must match the actual name of the printer.

To find out the correct name of the printer, see the Printer Driver Installation List <printer_brand>.INF file. It contains a list of all available printer names. Search for the .INF file in the folder, where you stored the printer driver installation files.

Syntax:

/INSTMULTPRN=<INF file data>

```
<INF file data> - <full file path of the Printer Driver Installation List
file>#<full printer driver name>#<port name>#(optional)<printer destination
name>
```

Sample for INF file where you install 4 printer drivers: Printer1 (linked to port LPT1), Printer2 (linked to port LPT2), and Printer3 (linked to port LPT3).

```
PrnInst.exe /
INSTMULTPRN=C:\Drivers\PRINTER1\#Printer1#LPT1:##Office1#DefaultPrinterInOffice
1
PrnInst.exe /
INSTMULTPRN=C:\Drivers\PRINTER2\#Printer2#LPT2:#ColorPrinter#Office2
PrnInst.exe /INSTMULTPRN=C:\Drivers\PRINTER3\#Printer3#LPT3:#BWPrinter#Office2
```



NOTE

The last printer entry in the .INF file must be terminated with a newline (<**Enter**>), so the last line in the file is an empty line.

LANG – Setting the PrnInst language

Use this parameter to define the language in the Printer Installation Wizard. By default, PrnInst always uses the default Windows operating system language. The default language is defined in **Control Panel** > **Regional and Language Options**.

Use this parameter to specify other languages for the Printer Installation Wizard.



NOTE

If you omit this parameter, PrnInst uses the default language.

Syntax:

/LANG=<lang>

<lang> - language ID

Language	Language ID
Chinese – Simplified	SCH
Chinese – Traditional	CHI
Danish	DAN
Dutch	DUT
English	ENG
Finnish	FIN
French	FRA
German	GER
Hungarian	HUN
Italian	ITA
Japanese	JAP
Korean	KOR
Polish	POL
Portuguese	PBR
Russian	RUS
Slovenian	SLO
Spanish	ESP
Swedish	SWE
Thai	TAI
Turkish	TUR

Sample:

PrnInst.exe /LANG=GER

UNINSTALLPRN - Uninstall a specific printer

Use this parameter to remove a specific printer driver from your system.



NOTE

Provide the exact printer name (as installed). To be sure, copy the printer name from **Control Panel > Printers & Scanners**.

Syntax:

/UNINSTALLPRN=<printer name> [/REMOVEPORT=CURRENT|ALL]

```
<printer name> - the name of the printer you wish to uninstall
CURRENT - Removes your printer port after you uninstall your driver.
ALL - Removes all unused printer ports.
```

The /REMOVEPORT option only removes Loftware Advanced Port Monitor ports. This option doesn't remove Standard TCP/IP, USB, LPT, or other ports.

Samples:

PrnInst.exe /UNINSTALLPRN=Loftware Printer

PrnInst.exe /UNINSTALLPRN=Loftware Printer /REMOVEPORT=CURRENT

UNINSTALLALL – Uninstall all printers

Use this parameter to remove all Loftware printer drivers from your system.

Syntax:

/UNINSTALLALL [/REMOVEPORT=CURRENT|ALL]

Samples:

```
PrnInst.exe /UNINSTALLALL
```

```
PrnInst.exe /UNINSTALLALL /REMOVEPORT=ALL
```

NOLICENCE - No license display

Use this parameter to start PrnInst in a mode where no Loftware printer driver license and warranty information displays during the installation.

Syntax:

/NOLICENCE

Sample:

PrnInst.exe /NOLICENCE

DIR – Change start browsing path

Use this parameter to specify the location of your Loftware drivers. PrnInst uses this path to browse for the printer drivers. The default location is the folder where PrnInst starts.



NOTE

DIR must always be the first parameter in the command line.

Syntax:

```
/DIR=<INF file location>
```

<INF file location> - full path from which to start searching for .INF files

Sample:

```
PrnInst.exe /DIR=C:\Drivers\
```

PREINSTALL – Preinstall driver package

Use this parameter to preinstall the printer driver. Windows automatically finds the driver when the user connects the printer.

Syntax:

/PREINSTALL=<INF file location>

<INF file location> - full path pointing to the .inf file

Sample:

PrnInst.exe /PREINSTALL=C:\Drivers\SAMPLE_DRIVER\SAMPLE_DRIVER.inf

UNINSTALLPACKAGE – Uninstall driver package

Use this parameter to uninstall the printer driver package. Windows can't automatically find the driver of your printer if it was removed from Windows Driver Storage.

Syntax:

/UNINSTALLPACKAGE=<INF file location>

<INF file location> - full path pointing to the .inf file

Sample:

PrnInst.exe /UNINSTALLPACKAGE=C:\Drivers\SAMPLE_DRIVER\SAMPLE_DRIVER.inf

INSTALLPORTMON – Silent installation of Advanced Port Monitor

Use this parameter to silently install Advanced Port Monitor from the printer driver distribution. When using this command, do not use any other commands from the command line list.



NOTE

This command doesn't install the printer driver.

Syntax:

/INSTALLPORTMON /name=aaaaa [/type=bbbbb] [/monitor=ccccc] [/inf=ddddd] []

Network port type

/ip=eeeee [/port=ffff]

Serial port type

/port=ggggg [/baudRate=hhhhh] [/dataBits-iiiii] [/parity=jjjjj]

[/stopBits=kkkkk] [/flowControl=llll]]

Parallel port type

/port=mmmmmm [/reception=nnnnn] [/receptionInterval=00000]

[/transmission=pppp]]

Specific port types

[/download=rrrrr] [/printingTimeout=qqqqq] [/downloadTimeout=sssss]

aaaaa - port name that will be displayed in port list

bbbbb - type of port **<LAN**, LPT, COM**>**. Parameter is omissible, depending on Port Monitor.

ccccc - name of the Port Monitor being installed. Port monitor name can be found in information installation (.inf) file. Omissible if there is only 1 port monitor.

ddddd - folder location of the information installation file containing Port Monitor. Search for installation information files is subfolder recursive. Omissible if there is only one information file in Printer Installation Wizard folder (or subfolders).

LAN Port

eeeee - ip address of printer on the network.

fffff - printer s network port number. Parameter is omissible, depending on Port Monitor.

COM Port

ggggg - systems COM port number (example for COM3: value is 3)

hhhhh - baud rate of serial port in bits per seconds (valid values: 100, 300, 600, 1200, 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200, 128000, 256000) iiiiii - data bits parameter for serial port. (Valid values: 5, 6, 7, 8) jjjjj - parity parameter for serial communication. (Valid values: none, odd, even, mark, space) kkkkk - stop bits parameter. (Valid values: 1, 1.5, 2) 11111 - flow control parameter (Valid values: xonxoff, hardware, none) LPT Port mmmmmm - systems LPT port number (example for LPT1: value is 1) nnnnn - reception timeout for LPT port when download function is enabled. Parameter is omissible. Default value is 500ms. 00000 - reception interval for LPT port when download function is enabled. Parameter is omissible. Default value is 200ms. ppppp - transmission for LPT port when download function is enabled. Parameter is omissible. Default value is 3000ms. Specific Ports rrrrr - enabled port specifics for downloading to printer. Omissible, default values is disabled. (Valid values: 0 - disabled, 1 - enabled) qqqqq - printing timeout value in milliseconds for port specific communication. Omissible, default values is 50ms. sssss - download timeout value in milliseconds for port specific communication. Omissible, default values is 7000ms. Samples:

PrnInst.exe /INSTALLPORTMON "-monitor=Advanced Port Monitor" /name=MyNewPort /
ip=192.168.1.5 /port=9100

PrnInst.exe /INSTALLPORTMON -inf=c:\temp\driver\ "/monitor=Advanced Port Monitor" /name=NewLanPort /ip=192.100.021.005 /port=9100

PrnInst.exe /INSTALLPORTMON /inf=c:\temp\driver\ "/monitor=Specific Port Monitor" /ip=192.100.1.1 /type=LAN

PrnInst.exe /INSTALLPORTMON "/monitor=Specific
Port Monitor" /name=MySerialPort /type=COM /port=3 /baudRate=128000 /
dataBits=8 /Parity=Even /flowControl=none /StopBits=2

PrnInst.exe /INSTALLPORTMON "/monitor=Specific
Port Monitor" /name=MySerialPort2 /type=COM /port=1 /baudRate=19200 /
dataBits=8 /Parity=none /flowControl=Hardware /StopBits=1.5

PrnInst.exe /INSTALLPORTMON "/monitor=Specific Port Monitor" /
name=MyParallelPort /type=LPT /port=3