Configuring your 300x Printer

Neuralog 300x/NeuraLabel 300x

Contents

STEP 1. CHECK THE SYSTEM REQUIREMENTS	1
STEP 2. CHECK THE DRIVER SETUP	1
STEP 3. FOR WINDOWS 7 AND BELOW. CHECK THE SPOOLER PROCESS	2
STEP 4 CHECK THE CONNECTIVITY	3
	2
STEP 5. SET OF AT MINTER SERVER WITH SHARED FRINTER.	5

✓ STEP 1. CHECK THE SYSTEM REQUIREMENTS

Use the following minimum configuration for optimal printing. Lesser configurations may work without trouble, but cannot be guaranteed.

- OS: Windows 7, Windows 8, Windows 8.1, 32 and 64-bit
- 3 GHz 32-bit (x86) or 64-bit (x64) processor or faster
- 8 GB RAM
- 4 GB available HD space, solid state recommended

✓ STEP 2. CHECK THE DRIVER SETUP

Once the driver is installed, check the following driver installation setting.

- Go to printer in Control Panel and Right Click *Printer Properties*
- Advanced Tab
- Select Start printing after last page is spooled

Neuralog 300x (180) Properties							
General Sharing Ports Advanced Color Management Security Device Settings							
 Always available Available from 12:00 AM To 12:00 AM 							
Priority: 1							
Dri <u>v</u> er: Neuralog 300x							
Start printing after last page is spooled Start printing immediately Print <u>d</u> irectly to the printer							
Hold mismatched documents Print spooled documents first Keep printed documents Enable advanced printing features							
Printing Defaults Print Processor Separator Page							
OK Cancel Apply							

✓ STEP 3. FOR WINDOWS 7 AND BELOW, CHECK THE SPOOLER PROCESS

If Microsoft Security Essentials is running AND real time protection is ON, exclude the spooler process. This will ensure that Microsoft Security Essentials does not slow down or prevent printing.

- File->Search "Microsoft security"
- See that Real-time protection is **On**. If On continue...



- Select the Settings tab.
- Select Excluded processes
- Browse for the file C:\Windows\System32\spoolsv.exe
- Click OK and then Click Add
- Click Save Changes and close Microsoft Security Essentials.

Scheduled scan Default actions Real-time protection Excluded files and locations Excluded file types Excluded processes Advanced MAPS	When you add a process, any file that the p a scan. This can make a scan faster, but you malware. To add multiple processes, separate items v with the extension .exe, .com, or .scr. Process names:	rocess reads from or writes to will be excluded from r PC might be less protected against the latest with a semicolon (;). You should only add processes Browse
		Microsoft Security Essentials
	C:\Windows\System32\spoolsv.exe	 sfr.exe shrutow.exe shrutow.exe shrutow.exe shrutow.exe slut.exe smss.exe SnippingTool.exe smptrap.exe sort.exe sport.exe spost.exe

✓ STEP 4. CHECK THE CONNECTIVITY

- Do not use a Wireless Network, UNLESS you use a SHARED PRINTER (discussed below).
- Verify the Network link speed between client/print server and printer is 100 Mbps, full-duplex operation. Most modern networks will meet this requirement. Check with the system administrator.
- Check firewalls, virus checkers, etc.
- USB Cable no longer than 5m (16.4 ft)

✓ STEP 5. SET UP A PRINTER SERVER WITH SHARED PRINTER (OPTIONAL)

For the most flexible results, set up a PRINTER SERVER with a SHARED PRINTER. A computer that meets the minimum system requirements set up as a *printer server* will provide a reliable way for any computer on your local area network, either wired or wireless, to print to the 300x. Connect the printer server computer to the printer with either a wired network or USB.



Follow these installation steps.

- Install the driver on the printer server.
- Set up printer parameters for your specific needs.
- Don't forget to select **Start printing after last page is spooled** discussed previously. Don't forget to exclude spooler process if necessary. (step 2 and step 3)
- Setup a Share name.
- On the Sharing panel of the printer properties UNcheck **Render print jobs on client computers**. This will cause the print job to be rendered <u>on the server</u>, only after all data has been sent from the client.

NeuraLabel 300x (Network) Properties								
General	Sharing	Ports	Advanced	Color Management	Security	Device Settings		
If you share this printer, any user on your network can print to it. The printer will not be available when the computer sleeps. To change these settings, use the <u>Network and Sharing Center</u> .								
	<u>S</u> hare this	printer						
S <u>h</u> a	re name:	300>	Shared					
	<u>R</u> ender pr	int jobs	on client co	omputers				
Drivers If this printer is shared with users running different versions of Windows, you may want to install additional drivers, so that the users do not have to find the print driver when they connect to the shared printer.								
				Ad	ditional D	rivers		
				ОК	Cancel	Apply		

Because this configuration causes the print jobs to be rendered on the server, the link between any client PC and the printer server will not affect the print outcome. In fact even very slow, busy or wireless networks can be used since the jobs will be rendered on the server, only after all data has been sent from the client. Even client machines in remote locations (another city or country) will be able to print to the 300x using the printer server.

NOTE that driver installations on the client computers will also have **Render print jobs on client computer** unchecked.



