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Vision Express - Vision VE810 Installation Guide

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1 Installation

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In the following sections, the complete machine and Vision software installation will be outlined. There are two connection configurations possible with the Vision Express and VE810.

The first is a direct cable connection to your computer via the network port. There is a special "crossover" cable (the cable with green ends) supplied with the machine for this connection type. This configuration is for a stand alone computer that is NOT connected to a <u>WIRED</u> network or internet. The machine can be connected to a computer that is connected to a wireless network in this manner.

The second configuration is for connection to the Vision Express or VE810 through a wired network using a standard network cable (DO NOT use the crossover cable when connecting to a network). In this configuration, the Vision Express or VE810 will be recognized as a network device. Connection to the machine in this manner is the easier of the two connection types. If there are no network connections available, a network hub can be added to allow connection of the engraver to your network.

Please call your distributor or the service department at Vision for assistance if you are having problems connecting your machine.

1.1 Machine Connections

On the rear of the Vision Express and the VE810, there are three connection ports. The power cord, the network cable (or crossover cable) RJ-45 ethernet port, and the remote on/off port for optional equipment.

Vision Express (rear view)



Vision VE810 (rear view)



Connect the power supply cord to a 110 - 220 VAC source, then plug the power cable into the port on the back of the machine. Plug in the network cable (or the crossover cable) to the back of the machine and either plug the network cable into your network, or using the crossover cable, plug into the network port on the back of your computer.

NOTE - The crossover cable is colored white with green ends. The standard network cable is one solid color.

1.1.1 Direct Connection to Computer

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Direct Connection to Computer Using Crossover Cable

Once the machine is connected directly to your computer's network port with the crossover cable (this cable has green ends), turn the machine on. The power switch for the Vision Express is located on the power supply box for the machine. The power switch for the VE810 is located below the LCD screen on the front of the machine. Once the machine has initialized, plug the supplied Vision USB drive into an available USB port on your computer.

NOTE - This installation is performed on a Windows 7 PC. For Windows Vista or Windows XP, the screens are slightly different.

The computer will recognize the USB drive and the following screen will appear. Select Continue without scanning.



Then select Open folder to view files.



Locate the file named Start and double click on the file to start the installation. The screen below shows Start.exe, but your computer might not show the .exe portion.

Organize 🔹 📄 Open	New folder			
Favorites	Name	Date modified	Туре	Size
E Desktop	Lamera	1/27/2011 3:30 PM	File folder	
Sk Recent Places	cdmcdata	1/4/2012 5:05 PM	File folder	
bownloads	L ClipArt	12/17/2008 9:01 AM	File folder	
	Connectivity Manager	1/5/2012 10:50 AM	File folder	
libraries	Firmware - Series 1 and 2 Controllers	2/3/2009 9:39 AM	File folder	
B Documents	Fonts	12/17/2008 8:55 AM	File folder	
🕹 Music 🗉	USBtoSerial	8/5/2010 7:39 AM	File folder	
S Pictures	Vision Machine Tools v4	11/21/2011 1:38 PM	File folder	
States	Vision Pro dongle driver	10/12/2009 2:50 PM	File folder	
	Vision Screen Backrounds	2/3/2009 9:40 AM	File folder	
Scomputer	Vision Series 1 and 2 Controller Drivers	1/20/2009 5:18 PM	File folder	
bcal Disk (C:)	Vision Series 3 Controller Drivers	10/14/2011 10:32 AM	File folder	
VD Drive (D:) Fc	1. VisionW	8/28/2009 2:17 PM	File folder	
Vision (F:)	VPro	11/21/2011 1:41 PM	File folder	
🐌 Camera	AUTORUNINE	1/5/2012 2:04 PM	Setup Information	1 KB
🐌 cdmcdata	products.ini	12/9/2011 6:30 PM	Configuration settings	1 KB
🐌 ClipArt	products.lcf	12/9/2011 6:30 PM	LCF File	3 KB
🐌 Connectivity Ma	Readme.txt	1/5/2012 10:17 AM	Text Document	1 KB
🗼 Firmware - Serie	slcdmenu.cdi	1/5/2012 2:04 PM	CDI File	9 KB
🗼 Fonts	SLCDMENU.EXE.manifest	1/10/2010 11:03 AM	MANIFEST File	1 KB
👃 USBtoSerial	Gart.exe	3/30/2010 12:47 PM	Application	340 KB
🗼 Vision Machine	👘 Vision Software nsi	1/5/2012 12:25 PM	Windows Installer Pa	160,845 KB
👃 Vision Pro dong 🔻	VISION ICO	1/5/2012 11:11 AM	Icon	289 KB

Select Step 1 - Setup Machine. This installs the Vision Connectivity Manager software.



When the software is installed, select Finish.

InstallShield Wizard	
	InstallShield Wizard Complete Setup has finished installing Connectivity Manager on your computer.
	< Back Finish Cancel

The Connectivity Manager will search for available Vision devices.

Discover Machine Tools	_ D X
⊕ My Computer ⊕ Vision Express Engraver (15983)	
	Configure
	Update
Scanning	Close

The computer's IP address will need to be set. NOTE - this should not cause any conflicts with your computer's wireless IP address, which is determined by the computer's wireless network card. To set the computer's IP address, open the Window's Control Panel. Depending on how you have this folder set, you will either see Network and Internet, or you will see the Network and Sharing Center immediately. If you see Network and Internet, select View Network Status and Tasks (which opens the Network and Sharing Center). If you see the Network and Sharing Center, open it. Then select Local Area Connection (as shown below).

		X-
😋 🖉 🔹 🕴 Control Panel 🕨	All Control Panel Items + Network and Sharing Center	
Control Panel Home Ownge adapter settings Ownge adapter settings settings	View your basic network information and set up connections See full map DSCUS1-R3 Wisionengravers.com Internet Obscorpaterity Wisionengravers.com Internet We your active networks Connect or disconnect Open of the part	Ð
See also HomeGroup Internet Options Windows Firewall	Connect or reconnect to a wiretess, wired, diai-up, or VPN network connection. Cooce homogroup and sharing options Access files and printers located on other network computers, or change sharing settings. Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.	

Select Properties.

Local Area Con	nection Status	×
General		
Connection		
IPv4 Connectiv	rity:	Internet
IPv6 Connectiv	rity:	No Internet access
Media State:		Enabled
Duration:		00:35:45
Speed:		100.0 Mbps
Details		
Activity		
	Sent — 📕	Received
Bytes:	5,435,157	22,049,839
Properties	😚 Disable	Diagnose
		Close

Then, select Internet Protocol Version 4 (TCP/IPv4).

Eroadco	om 440x 10/10	0 Integrated Cor	_	Configure
This connection	n uses the foll	owing items:		conigure
🗹 🖳 Client fo	or Microsoft N	etworks		
🗹 📕 QoS Pa	acket Schedu	ler		
🗹 🚚 File an	d Printer Shari	ing for Microsoft	Networks	
🗹 🛶 Internet	Protocol Vers	sion 6 (TCP/IPve	5)	
🗹 🛶 Internet	Protocol Vers	sion 4 (TCP/IPv4	+)	
🗹 🛶 Link-La	yer Toology	Discovery Map	per I/O Driv	er
🗹 🔺 Link-La	yer Topology	Discovery Res	ponder	
Install		Uninstall	F	roperties
Description				
Description				
Allows your				

Then select Properties. Select Use the following IP address: and enter 192.168.5.100 and set the Subnet mask to 255.255.255.0 as shown. Then select OK and close any other network configuration windows.

Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties
Networking	General
Connect using: Broadcom 440x 10/100 Integrated Controller	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure This connection uses the following items:	 Obtain an IP address automatically Use the following IP address:
Client for Microsoft Networks	IP address: 192 . 168 . 5 . 100
File and Printer Sharing for Microsoft Networks	Subnet mask: 255 . 255 . 0
✓	Default gateway:
Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder	Obtain DNS server address automatically
	Use the following DNS server addresses
Install Uninstall Properties	Preferred DNS server:
Description Transmission Control Protocol/Internet Protocol. The default wide	Alternate DNS server:
area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit Advanced
OK Cancel	OK Cancel

The IP address of the machine will need to be set to set up the connections properly. Select the + box next to the machine now listed in the window to expand the information. Then select Configure Vision Express Engraver (or Vision VE810 Engraver) at the bottom of the screen.

Discover Machine Tools	
H My Computer Vision Express Engraver (15983) ↓ 192.168.0.61 / 255.255.05 / DHCP ↓ 169.254.42.115 / 255.255.00 / LocalLink P Current Connections	
Vision Express Engraver (15983) is ready.	Configure Vision Express Engraver (15983)
	Update Vision Express Engraver (15983)
Scanning	Close

Select Use Static IP, then select OK.

Configure Vision Express Engraver (15983)
Use DHCP
Select this option, if you have a DHCP serever in your network. The machine tool will obtain network settings automatically. If the machine tool does not come back online after few seconds,
please power-cycle the machine tool.
© Use Static IP
Select this option to statically assign an IP address to the machine tool. The IP address should be in one of the networks configured on this computer, and should be unique in that network.
OK Cancel

Set the IP address (as shown) to 192.168.5.101, then select OK. This sets the machine's IP address.

Configure Vision Express Engraver (15983)
© Use DHCP
Select this option, if you have a DHCP serever in your network. The machine tool will obtain network settings automatically. If the machine tool does not come back online after few seconds, please power-cycle the machine tool.
Use Static IP 192 . 168 . 5 . 101
Select this option to statically assign an IP address to the machine tool. The IP address should be in one of the networks configured on this computer, and should be unique in that network.
OK Cancel

The configuration is complete at this point. Close the Machine Tools Discovery window and return to the Main Installation Screen to proceed with the Vision software installation in the next section.

1.1.2 Network Connection

Connecting via Standard Network Cable to Network

Once the machine is connected to your network, turn the machine on. The power switch for the Vision Express is located on the power supply box for the machine. The power switch for the VE810 is located below the LCD screen on the front of the machine. Once the machine has initialized, plug the supplied Vision USB drive into an available USB port on your computer.

NOTE - This installation is performed on a Windows 7 PC. For Windows Vista or Windows XP, the screens are slightly different.

The computer will recognize the USB drive and the following screen will appear. Select Continue without scanning.



Then select Open folder to view files.



Locate the file named Start and double click on the file to start the installation. The screen below shows Start.exe, but your computer might not show the .exe portion.

rganize • 🖻 Open	New folder			
Favorites	Name	Date modified	Туре	Size
E Desktop	L Camera	1/27/2011 3:30 PM	File folder	
S Recent Places	cometa	1/4/2012 5:05 PM	File folder	
Downloads	L ClipArt	12/17/2008 9:01 AM	File folder	
	Connectivity Manager	1/5/2012 10:50 AM	File folder	
Libraries	Firmware - Series 1 and 2 Controllers	2/3/2009 9:39 AM	File folder	
Documents	Fonts	12/17/2008 8:55 AM	File folder	
🕹 Music 🗏	USBtoSerial	8/5/2010 7:39 AM	File folder	
S. Pictures	Vision Machine Tools v4	11/21/2011 1:38 PM	File folder	
Videos	Vision Pro dongle driver	10/12/2009 2:50 PM	File folder	
	Vision Screen Backrounds	2/3/2009 9:40 AM	File folder	
Computer	Vision Series 1 and 2 Controller Drivers	1/20/2009 5:18 PM	File folder	
local Disk (C:)	Vision Series 3 Controller Drivers	10/14/2011 10:32 AM	File folder	
VD Drive (D:) Fc	VisionW	8/28/2009 2:17 PM	File folder	
Vision (F:)	VPro	11/21/2011 1:41 PM	File folder	
🐌 Camera	AUTORUNINE	1/5/2012 2:04 PM	Setup Information	1 KB
🗼 cdmcdata	products.ini	12/9/2011 6:30 PM	Configuration settings	1 KB
🐌 ClipArt	products.lcf	12/9/2011 6:30 PM	LCF File	3 KB
🐌 Connectivity Ma	Readme.txt	1/5/2012 10:17 AM	Text Document	1 KB
🗼 Firmware - Serie	slcdmenu.cdi	1/5/2012 2:04 PM	CDI File	9 KB
🗼 Fonts	SLCDMENU.EXE.manifest	1/10/2010 11:03 AM	MANIFEST File	1 KB
🗼 USBtoSerial	Gantexe	3/30/2010 12:47 PM	Application	340 KB
🐌 Vision Machine	19 Vision Software.nsi	1/5/2012 12:25 PM	Windows Installer Pa	160,845 KB
👃 Vision Pro dong 🔻	VISION ICO	1/5/2012 11:11 AM	Icon	289 KB

Select Step 1 - Setup Machine. This installs the Vision Connectivity Manager software.

🚳 Vision Softwar	e
	Engraving & Routing Systems
	Step 1 - Setup Machine
	Step 2 - Install Vision Software
	Explore USB Memory Stick
VIS	Install Vision open machine drivers
ENGRAVING & ROUT	Exit menu

When the software is installed, select Finish.

InstallShield Wizard	
	InstallShield Wizard Complete Setup has finished installing Connectivity Manager on your computer.
	< Back Finish Cancel

The Connectivity Manager will search for available Vision devices.

Discover Machine Tools	
 B My Computer B Statistical Vision Express Engraver (15983) 	
	Configure
	Update
Scanning	Close

The configuration is complete at this point. Close the Machine Tools Discovery window and return to the Main Installation Screen to proceed with the Vision software installation in the next section.

1.2 Vision Software Installation

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From the Main Installation Screen, select Step 2 - Install Vision Software.



The Windows Installer will prepare the installation.

Windows Installer		
Preparing to install		
	k	Cancel

Select Next.



Select Install.



The installation will proceed.

Vision Software Setup		— X
Installing Vision Software		2
	up Wizard installs the Vision manuals, tuto is may take several minutes.	orial videos and
Status:		
Advanced Installer		

Select the appropriate language and select OK.

VisionPro	o - InstallShield Wizard
ى	Select the language for the installation from the choices below.
	English
	OK Cancel

Installation will proceed.



Select Next to begin the installer.



Select Accept the license agreement, then select Next.



Select Next (or change the destination folder - not recommended).



Select Next to create the folder.

Vision Express 9 Setup	
Select Program Folder Please select a program folder.	
	Setup will add program icons to the Program Folder issted below. You may type a new folder name, or select one from the existing folders list. Click New to continue.
	Program Folder Mision Express 5
M	Existing Folders: Accessories Administrative Tools ConeClFAW Graphics Sum XS Experiogic Games Help & Manual 5 Help & M
-	Microsoft Office v
InstallShad	<back next=""> Cancel</back>

The installation will continue.



If using the Vision Express, select the Vision Express Engraver as the machine. If using the VE810, select the Vision VE810 (with LCD), then select Next. Note - this is the default for Vision Express software after installing the Connectivity Manager in the previous section. If you purchase another engraving system from Vision, it can be added to the machine list at a later date from within the Vision software.

Manufacturer:		Output Device:	
Vision Series 3 Engravers	0 K.	ADA Braille	0 K
Vision VE810 (with LCD)	0 K	□ ADA Raised	0 K
Vision VE810 (w LCD + MT)	0 K	ADA Visual	0 K
Vision VE810 (without LCD)	0 K	Phoenix 1212	0 K
Vision MaxPro	0 K	Phoenix/Vision Center Origin	0 K
Vision Max	0 K	S3 Rotary Photo Engrave	0 K
□ Vision Routers (2'x4' and smaller)	0 K	□Vision 1612	0 K
Vision Routers (4x8' and larger)	0 K	□ Vision 1624	0 K
Vision Series 1 and 2	0 K	□ Vision 2424	0 K
✓ Vision Express	12 K	□ Vision 2448	0 K
		□ Vision Cylindrical	0 K
		☐ Vision Rotary Attachment	0 K
		□ Vision DACS	0 K
		F	

Select Continue to install True Type fonts and Vision Engraving Fonts on your computer.



The software will look for True Type fonts on your computer and allow the Vision software to use them.

Install TrueType Fonts	
Now installing TrueType and OpenType fonts that are present on your system.	
Installing fonts	
341 fonts found.	

Once the True Type fonts are installed, select OK.

Install True	eType Fonts	X
0	The TrueType fonts have bee	n installed.
	*	ОК

In this step, the software will install any Engraving fonts on your computer.



In order to install the fonts on the USB drive, select A Removable drive and from the drop down list, select the drive letter for the USB drive plugged into your computer.

You can install Vision Expr media on which these files all or part of these fonts lat	are available then sele	ect one of the optic	ns below. You r	nay also install
Install Vision Express fonts	and clipart from:			
C Vision Express Font	s and Clipart CD			
A Removeable drive	e (ex: flash)	F:\	•	
C Network location				
				Browse

Select OK to install to the default folder.

Install Vision VEF Fonts	
Copy the fonts and clipart to the hard drive for inc (all of them will take about 360 MB of hard drive s	
Destination Folder	
C\Vision Express 9\Fonts	Browse
OK Cancel	

Select OK. All fonts and clipart have been installed from the USB drive at this time.



Select OK to return to the main installation screen.

Font Installation	X
Thank you for using the Vision Express Font Installation Wizard. More may be installed later by selecting the Install Fonts option of the File m	
Vision Express.	

To complete the installation, select Finish.



To close the Software Setup window, select Finish.



Select Exit Menu to close the installer.



Three icons should now appear on your computer's desktop as shown below. They include a link to all of Visions Manuals, a Tutorial and the Vision Express Software.



The USB drive can be removed at this time from your computer. Installation is now complete.

