Phoenix 1212 Engraver S5 Installation Guide

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1 Introduction

This guide contains information to prepare the new owner of a Phoenix 1212 for the proper installation of their machine. It is the customer's responsibility to read through this guide and make sure the work area, electrical and computer requirements are met. If for any reason, there are questions about these requirements, please call your Vision representative as soon as possible.

In the following sections, the complete machine and Vision software installation will be outlined.

Please call your distributor or the service department at Vision for assistance if you have any questions with this procedure.

FOR MORE DETAILED INFORMATION, PLEASE REFER TO THE USER GUIDE FOR YOUR MACHINE INSTALLED WITH THE VISION SOFTWARE. USER GUIDES ARE ALSO AVAILABLE ONLINE AT http://www.visionengravers.com/support/vision-engraver-manuals.html

Important Note:

The Vision software is available in two versions; one with a dongle, and one that is "dongle-less" and is loaded on to a USB Memory stick. If your machine was delivered with, or you currently have the white/blue or orange software dongle, DO NOT LOSE IT!

The Vision software will NOT run without the dongle plugged into the computer.



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1.1 Computer Requirements

Minimum System Requirements:	
CPU:	Dual Core (2.0GHz or higher)
Hard Drive:	750 GB free space
RAM:	1GB + OS Requirements
Operating System:	Windows 10 (32/64 bit)
	Windows 8 (32/64 bit)
	Windows 7 SP.1 (32/64 bit) ***Requires Service Pack 1
Ports:	USB port for security dongle
	Local or network Ethernet port to connect machine
Suggested System Requirements	
Suggested System Requirements CPU:	Core i3 (or faster)
Suggested System Requirements CPU: Hard Drive:	Core i3 (or faster) 1 TB (or more)
Suggested System Requirements CPU: Hard Drive: RAM::	Core i3 (or faster) 1 TB (or more) 4GB + OS Requirements
Suggested System Requirements CPU: Hard Drive: RAM:: Operating System:	Core i3 (or faster) 1 TB (or more) 4GB + OS Requirements Windows 10 (32/64 bit)
Suggested System Requirements CPU: Hard Drive: RAM:: Operating System:	Core i3 (or faster) 1 TB (or more) 4GB + OS Requirements Windows 10 (32/64 bit) Windows 8 (32/64 bit)
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Suggested System Requirements CPU: Hard Drive: RAM:: Operating System: Ports	Core i3 (or faster) 1 TB (or more) 4GB + OS Requirements Windows 10 (32/64 bit) Windows 8 (32/64 bit) Windows 7 SP.1 (32/64 bit) ***Requires Service Pack 1 USB port for security dongle

1.2 General Electrical and Facility Requirements

Machine Model	Requirements
Phoenix 1212	One 110 VAC 15 Amp or One 220 VAC 10 Amp Single Phase
Optional Equipment Engraving Vacuum Chip Removal System	One 110 VAC 15 Amp

NOTE: In addition to the above requirements, a standard outlet is required for the computer.

2 Vision Software Installation

Insert the Vision USB dongle into the USB port on the computer. Navigate to the Devices and Drives area on your PC. Double click on the Vision icon to open the files on the USB dongle.

Select the Start or Start.exe file to begin.

Name	7.3.4	Date modified	Туре	Size
cd	mcdata	7/31/2018 3:54 PM	File folder	
Cli	pArt	7/30/2018 4:29 PM	File folder	
Vis	ion Pro dongle driver	7/30/2018 4:16 PM	File folder	
Vis	ion Screen Backrounds	7/30/2018 4:16 PM	File folder	
VP	ro	7/31/2018 12:57 PM	File folder	
AU	TORUN.INF	7/31/2018 4:42 PM	Setup Information	1 KB
Pro Pro	oductS.ini	8/1/2018 1:57 PM	Configuration sett	1 KB
Pro	oductS.lcf	8/1/2018 1:57 PM	LCF File	3 KB
📄 slc	dmenu.cdi	7/31/2018 4:42 PM	CDI File	10 KB
SL	CDMENU.EXE.manifest	8/24/2015 1:02 PM	MANIFEST File	1 KB
🗹 🏠 Sta	irt.exe	1/17/2017 6:10 PM	Application	391 KB
Ve	rsion 2.02 S5.txt	6/19/2012 9:52 AM	Text Document	0 KB
🔂 Vis	ion Software.msi	8/1/2018 1:47 PM	Windows Installer	579,809 KB
VIS VIS	ION.ICO	1/5/2012 11:11 AM	lcon	289 KB

Click on the Install Vision Software button.

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The Vision S5 Software Wizard will guide you through the process of installing the software. Press Next to continue.



Press Install to continue



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Setup wizard will install the program.

Installing Vi	sion Software S5			5
Please wa	it while the Setup Wizard ins	stalls the Vision ma	nuals and tutorial vi	deos.
This may t Status:	ake several minutes. Copying new files			
dvanced Installer		+1	0	

Select Finish to continue the software installation.

Completing the Vision Software S5 Setup Wizard
Click the "Finish" button to continue to the Vision Engraving & Routing Software installation.
< Back Finish Cancel

Choose your preferred language and click ok.

VisionP	ro - InstallShield Wiza	ard	×
ٹ	Select the language f	for the installation from the o	hoices below.
	English		~
		ОК	Cancel



The Vision 10 Setup Screen will appear. Press Next.

After accepting the license agreement, click on the Next button.





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

Select Next to create the folder.



The installation will continue.



Select the Vision Phoenix 1212 S5 by placing a check mark in the box to the left of Vision Phoenix 1212 S5 in the Manufacturer list, then select Next. 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.

ing Device Installation			
anufacturer:			Z
Select or remove one or more cutting devic	e manufacturers.		
Vision Express S5			0K 🔨
🗌 Vision Express S4			0 K
🗌 Vision Engravers S4			0 K
🗌 Vision VE810 S5			0 K
Vision VE810 S4			0 K
🔽 Vision Phoenix 1212 S5			72 K
🗌 Vision Max S4			0 K
🗌 Vision MaxPro S4			0 K
Vision Routers S4 (2'x4' and smaller)			0 K
Vision Routers S4 (4'x8' and larger)			0 K
🗌 Vision Engravers S3			0 K
🗌 Vision Max S3			0 K
🗌 Vision MaxPro S3			0 K
Vision VE810 S3			0 K
Vision Routers S3 (2'x4' and smaller)			OK
Vision Routers S3 (4'x8' and larger)			0 K
Vision Engravers S1 and S2			0К 🗸
llShield			
	< Back	Next >	Cancel

Select the Phoenix 1212 S5. Note – The Phoenix 1212 Vice/Center Origin S5 and Phoenix 1212 Vise Rotated S5 are used when using the center vice accessory.

itting Device Installation			
Manufacturer: Vision Phoenix 1212 S5			Z
Select the drivers you want to install, clear the	e drivers you war	nt to uninstall.	
✓ Phoenix 1212 S5			24 K
Phoenix 1212 Vise Center Origin S5			0 K 0 K
tallShield			
canor nela			

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

Font Installation
Welcome to the Vision Expert Font Installation Wizard. To use a font in Vision Expert, it must be installed.
Clicking Continue will start the installation of TrueType fonts, Vision Pro VEF fonts, Corel WFN fonts and Adobe Type1 fonts.
Install TrueType Fonts
Now installing fonts that are present on your system.
Searching for fonts
77 fonts found.

itional Font	nstallation	
	Do you want to search for and install additional fonts?	
Select Drives	:	
C:\		
	Yes No.	

Click yes to install all additional fonts from your C:\ Drive.

All system fonts will be installed.

Installing Additional Fonts On Local Disks

Installing additional fonts which may be present on your system. The installation of fonts may take some time. Pressing the <Esc> key will abort the installation. Searching in C:\Windows\SoftwareDistribution\Download\36a9e985ff06ff6fc1f5bf45ab2aa2ba\Metadata 4247 fonts found. Press OK

Font Installation	×
Thank you for using the Vision Expert Font Installation Wizard. More fonts may be installed later by selecting the Install Fonts option of the File menu in Vision Expert.	
OK	

Press on the Finish button.

Vision Expert 10 Setup	
Vision Expert 10 Setup	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Vision Expert 10. Click Finish to exit the wizard.
InstallEried	< Back Finish Cancel

Press the Exit button .



The Vision manuals icon should now appear on your computer's desktop along with an icon for your version of Vision 10 software.



3 Machine Setup

On the rear of the Phoenix 1212, there are three connection ports. The power cord, the USB port, the RJ-45 ethernet port, and the remote on/off port for optional equipment.

Phoenix 1212 (rear view)



Connect the power 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, your hub, or using the crossover cable, plug into the network port on the back of your computer.

NOTE: The Ethernet crossover cable is gray and should not be needed.

If the emergency stop screen appears on the LCD when the machine is powered on, then the emergency stop button is pressed in. Release the button twisting it until it "pops up". This will clear the emergency stop screen.



The Phoenix 1212 IP address configuration setup will vary depending on how it is connected to the PC.

The two options for connecting the Phoenix 1212 to the computer are:

• Direct connection to the computer or direct connection using a network hub or switch. Both of these methods require the same setup.



• Connection through a company network



Follow the steps from one of the two sections below to configure the IP address depending on the connection type above.

3.1 Direct Connection to Computer

Direct connection to the computer or direct connection using a network hub or switch.



Once the machine is connected directly to the computer's network port or is connected directly to a network hub or switch with the black Ethernet cable, power the machine on. The power switch for the Phoenix 1212 is located on the left side of the machine. Once the machine has initialized, the home screen will appear on the LCD screen.

Select the Settings Screen icon.



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Select the Connectivity Screen icon.



Confirm that the LCD shows the Mode is set to static.



If the Mode displays DHCP, press the mode icon. This will change the Mode to display Static.

Mode: Addr; Mask:	Stati 192.1 255.2	c 168.5. 255.25	101 5.0
7	8	9	{ ··
4	5	6	\mathbf{X}
1	2	3	mode
\times	0	•	

Confirm that the LCD shows the Address is set to 192.168.5.101.



If the Address is not set to 192.168.5.101, it will need to be changed. Press the tools icon.



Enter the numbers 192.168.5.101 with the numbers on the LCD. If you make a mistake, you can press the left arrow to erase a number.

Press the green check mark to accept the value.



The Mask value will be blank. Press the green check mark a second time and the mask will change to 255.255.255.0.

If the Mask does not change to this value, enter it with the numbers on the LCD.

The LCD should now look like below:



Press the X to exit the connection screen.



Press the X to return to the home screen.

NOTE - This follow section is shown on a Windows 10 PC. For Windows 7 or Windows 8, the screens are slightly different.

The IP address of the computer IP address will need to be set to match the machines network settings.

To set the computer's IP address, right click on the network icon in the lower right corner of the Windows desktop screen.



Select "Open Network & Internet settings". (In Windows 7 and Windows 8 select "Open Network and Sharing Center")



Select "Change adaptor options". (In Windows 7 and Windows 8 select "Change adapter settings")

Change your network settings



Right click on the Ethernet adapter shown and select "Properties".



Select "Internet Protocol Version 4 (TCP/IPv5) and select "Properties".



Select "Use the following IP address:" and enter 192.168.5.100 for the IP address and enter 255.255.255.0 for the Subnet mask.

eneral	
You can get IP settings assigned au this capability. Otherwise, you nee	utomatically if your network supports d to ask your network administrator
for the appropriate IP settings.	
Obtain an IP address automat	tically
• Use the following IP address:	
IP address:	192 . 168 . 5 . 100
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	
Obtain DNS server address au	utomatically
• Use the following DNS server	addresses:
Preferred DNS server:	
Alternate DNS server:	

Select OK. The Windows network settings are the machine are now configured.

3.2 Network Connection

Connecting through an office network



Once the machine is connected to the company network port, power the machine on. The power switch for the Phoenix 1212 is located on the left side of the machine. Once the machine has initialized, the home screen will appear on the LCD screen.

Select the Settings Screen icon.



Select the Connectivity Screen icon.



Confirm that the LCD shows the Mode is set to DHCP.



If the Mode displays Static, press the mode icon. This will change the Mode to display DHCP.

Make a note of the address that is displayed. This will be needed at a later step in the setup. NOTE: If an IP address is not displayed, check with your network administrator to confirm that your network is configured for DHCP.



Press the green check mark button.



Press the X to exit the connection screen.



Press the X to return to the home screen.

Open the Vision 10 Software by selecting the Vision Expert 10, Vision Express 10 or Vision Pro 10 icon from the Windows desktop.

Go to the Engrave menu and select engraving defaults.



Selected driver:	Selected driver: Phoenix 1212 S5		~	Setup
Copies Copies:1 ☑ Use driver copies	Options Options Sgrt Sgrt Boto Wer Eng Sgrt Jog Orig	or ate 90 degrees ed <u>b</u> order rave by Color rave	- Tool All Tools	~
Move X move: 0.000 Y move: 0.000	Smoothing <u>Low</u> <u>Medium</u> <u>High</u>	Engrave Page Sign blan <u>k</u> <u>S</u> elected	Object star Current Bottom Top Left Right	t point
Tool Options			andu	Close

In the Engraving defaults window select the setup button.

Select the port tab.

ingraver:	Port	Plotter Options			
Method				Port location	
⊖ Dire	ect to po	ort	TCPIP raw 🗸		
Path:			Set <u>P</u> ath	IP address	Port 22000
● Use	e Produc	ction Spooler ote spool	Browse	Current COMM setti	ings
() Use	e Visual	Production Manager			Edit Baud rate Parity
		New Remote Visual Proc	√ Juction Manager	~	Data bits Stop bits
				~	Flow control

In the "IP address" box, enter the IP address that was displayed on the Phoenix 1212 in a previous step. You can see this address from the machine home screen by pressing settings icon and then the connectivity screen icon.



Verify that the method is set to "Use Production Spooler", the Port location is set to "TCIP raw", and the port is set to "22000".

Engraver:	Port	Plotter Options				
Method			Port location			
Direct to port Path: Set <u>Path</u>				TCPIP raw 🗸		
				IP address Port 192.168.0.62 22000		
O Use	Remo ath:	Production Manager	Browse	Current COMM settings		

ngraver S	etup		
Engraver:	Port	Plotter Options	
Selected	driver:		1 Version
Phoenix	1212 S	5	
Installed	Drivers		
Phoenix	1212 V	s ise S5	Notes
Phoenix	1212 Vi	ise Rotated S5	<u>T</u> ool Options
	Cre	eate Custom Copy of Selected Driver	
		Delete Selected Driver	
		Load New Driver	
Origin		End Point	
T			Machine limits
ł	+ +		Length: 12.001
L	┿┥╇	┙╺╺┝╼┤╼┥	Width: 12.001
0.0	00	Additional X move at end	Depth: 10.000

IMPORTANT: If more than one driver is installed, you must change the IP address in the port tab for all drivers.

Next, press Apply and OK to save the settings.

Plot						
Selected driver:	Phoenix	1212 \$5		~	Setup	
⊂Copies Copies:1		Options Migror Sgrt Botate 90 degrees Weed border Engrave by Color Engrave Jog Griginis ing		[All Tools ~	
Move X move: 0.000 Y move: 0.000	Sm ○ <u>L</u> ○ <u>N</u> ○ <u>P</u>	oothing .ow <u>1</u> edium <u>1</u> igh	Engrave		Diject start point Current Bottom Top Left Right	
Tool Options				Apply	Close	

The machine and Vision software are now configured.

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