

# **USER'S MANUAL**

# **Software** FC-500VC



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# 1. Installation, Preferences, and Workspace

#### 1.01 Installing SignCut

#### 1.01.1 Selecting and Downloading the Software

- Please selecting SignCut Software from U-Disk and installing . SignCut Pro 2 is perfectly up to date. Always adapted to the latest OS,Can be download from the following link: https://signcutpro.com
- 2. In some cases, a virus protection software may warn users that there are potentially dangerous files. It is perfectly safe to install this program so temporary changes or disabling of your virus protection program may be required. After installing SignCut Pro 2, you can reestablish your virus protection.
- 3. The program can be used without purchase for <u>three weeks</u>, as long as SignCut2 has not been previously installed on that computer.
- 4. Note that three programs will be installed: SignCut Pro 2 (the program you will use for cutting), SignCut Draw (a program you can use for designing) and, optionally, SignCut Spooler (a program you can use for managing completed jobs). You can also import a range of vector file formats into SignCut Pro 2 if you prefer to design in a different vector program.

5. Please find license number from U-disk. Then activate your software, As shown:

Input your E-mail



#### 1.01.2 Installing Your Cutter

Click on Cutter

1. Open SignCut Pro 2 and click on the **Cutter** button near the top of the screen (or go to **Settings>Cutter**):



2. The **Cutter** window will open. From each drop-down menu, select the **Manufacturer**, **Cutter** model, **Output Device/Port**, and **Baud** rate (when applicable) as follows:

Cutter	
Cutter Advanced settings Driver setup Presets	
Manufacturer:	Setting up your Vulcan table
▶ Vulcan	VSB connection
Cutter:	Windows: No driver needed.
Vulcan FC-500VC	✓ Intel intel intel integet.
Output Device / Port:	Manual The manual for your machine
Write to file	can be found <u>here</u> .
Baud:	
38400	· · · · · · · · · · · · · · · · · · ·
Ok	Help

3. Note the following regarding the options under **Output Device / Port**:

- USB001: Choose this option for true/direct USB connectivity.
- **TCP/IP:** Choose this option for wireless connectivity and a window will pop open in which you will then need to enter the **Host/IP Address** assigned to your cutter and the **Port** assignment.
- Write to File: Choose this option if you are always exporting the file as a PLT file. You can copy this PLT file to U-disk(Drive the machine).
- 4. After entering your connection information, click on **OK**. Note that you can return to this window at any time to change your connection preferences.

#### 1.01.3 Installing Your Coreldraw plugin

1. Open this EXE.file from U-disk.

# 🍘 scpro2-01479.exe

2. Click this .exe file and installing Software, Then plugin will be installed automatically. (P.S:When you install, please close Coreldraw and AI).

3. Open your CorelDraw software.you can find corldraw plugin.



Create registrationmarks

# 2.Design, Create contour, Create registrationmarks, send file to software

## 2.01.1 Design

1.Import your file to CorelDraw software or Design by CorelDraw software.



## 2.01.2 Create contour

1. Click the "apple" button and automatic create contour.



SignCut Pro 2 - Create Contour				
Distance:	2.00	0		
Use sharp corr	ners	Use CorelTrace		
Create		Cancel		

• **Distance:** The outer contour line and the distance from the original image.As Shown:



• Use sharp corners: The software default:rounded. Runded to Acute Angle.As Shown:



- Use Corel Trace: Automatic trace contour more accurately.
- Keep holes:
- Rasterize vectors: Make the contour Rasterize vertors.

## 2.01.3 Create registrationmarks

1. Click the "Mark" button and automatic create registrationmarks.

.CIICK	ick the mark button and automatic create registrationmarks.					Click this button		
Effe <u>c</u> ts <u>I</u>	<u>B</u> itmaps	Te <u>x</u> t	<u>T</u> able	T <u>o</u> ols <u>)</u>	<u>W</u> indow	<u>H</u> elp	Purchase	
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5 mm			£ 1.0	Units: n	nillimeters	*	<b>4</b> ⊉⊧ 0.1 mm	Q <sub>k</sub> 5.0 mm · - Q <sub>k</sub> 5.0 mm · - Th + + + + + + + + + + + + + + + + +
cdr* +								
10	0		. <mark>50</mark>				50 	100



SignCut Pro 2 - 0	Create Registratio	on Marks ×
Type:	Vulcan	$\sim$
Size:	5.000	
X Distance:	5.000	
Y Distance:	5.000	
No of segments:	1	
Use page-frame as	region:	
Use QR-code:	Print QR-code	filename:
QR-code filename:		
Create		Clear

- **Type**: Choose the Brand:Vulcan.
- Size:software default is 5mm.(Do not modify)
- X Distance/Y Distance:when you select "Use page-frame as region", this means: The Mark distance from paper edge. If you do not select it, This means: The Mark distance from your Image.
- No of segments:software default is 4 Marks,you can increase number of Marks.
- Use page-frame as region:Let mark point distribution at the edge of the paper.
- Use QR-code: your file will be save to QR-code.



Print QR-code filename:



Then you can print it directly by Corel Draw software.



## 2.01.4 send file to software





SignCut Productivity Pro 2 - Premium (Administrator @ QWERTRTP123) - Ct\Users\Administrator\AppData\Roaming\SignCut2\Import\ai
 File Edit Special cutting Settings View Help Account



#### 3.SignCut Pro 2 Screen, Setting contour by SignCut, Send file to machine



Sub-toolbar - icons change depending on which tool is activated on the Main Toolbar

- Hovering your mouse over most of the screen icons will pop up the icon's name and available shortcut.
- On the **Main Toolbar**, the shortcut keys (top to bottom) are in the same order as the top row of alphanumeric keys on your keyboard (left to right: **Q**, **W**, **E**, **R**, **T**, **Y**, **U**, **I**, **O**).
- On the Sub-toolbars, the shortcut keys are in the same order as the bottom row of alphanumeric keys (left to right: Z, X, C, V, etc.). I think this has been replaced with toggling of the Q,W,E ... keys. There is a number method as well? I mean Q,W,E ... + number.
- This manual also presents information by topics versus location on the screen. If you need to look up all the functions on one particular bar, panel, or menu.

#### 3.01.2 Setting contour by SignCut

#### Setting U-disk file(Plt file)

1.When you click "Cutter" button, Then select "Manufacturer(Vulcan)" "cutter model(Vulcan FC-500VC)" "Output Device/port(Write to file)".



2.Click 💭 button(contour cut with scan registrationmarks),Then select "Advanced settings" to setting Tool 1 and Tool 2 parameter. Click Subtton(contour cut doesn't need registrationmarks),Then select "Advanced settings" to setting Tool 1 and Tool 2 parameter.



Page 10

3.please Select edit the line(creasing line and cutting line).

- Select "Sorting": This is to activate "Cut innerobjects first".
- "Cut in colour order": after creasing tool run first and the cutting tool running.



4.After preview first and the enter "Edit attributes".

Cut out	×
Cutting     Advanced settings       Image: Sorting     Length       Image: Cut inner objects first     Sort Zig-zag	
☐ Step-by-step cutting       ☐ Slow Forward feeding with scribed line         Step-by-step cutting length:       200 mm ♥         Overcut at step limits when using step by step cutting:       4 mm ♥	
Tangential emulation	Set Attributes X
Extra feeding when using testfeed: Feed forward after cut: Cut off vinyl automatically during cutting: Cut in colour order Colour( RGB Settings #FFF0 0 #E62029 #332B2A #332B2A #332B2A	Main         Choose tool preset:       Use default v         Pause for tool change:       Image:         Passes:       I v         Blade Offset:       0 mm (v) overcut:         Tool:       Image:         Tool:       Tool 1 (Right)         Tool 1 force:       60 gf         Tool 1 speed:       700 mm/s         Tool 2 force:       60 gf         Tool 2 speed:       700 mm/s         Tool 2 speed:       700 mm/s         Tool 2 speed:       700 mm/s         Pounce down length:       0 mm (v)         Pounce up length:       0 mm (v)
Edit attributes	OK Cancel
Cut out Testfeed Test	cut Help Apply Close

- "Passes":Repeat running(creasing tool and cutting tool).
- "Blade Offset":

This is according to thickness of the materials.≤200GSM,Blade offset:0.3mm. ≥350gsm, Blade offset:0.5-0.65mm.

- "Overcut":
- "Tool": According to the color of the line selection tool. Tool 1(Right): Cutting tool. Tool 2(Left): Creasing tool.
- Speed and force settings: Preset tool 1/2, speed and force or you can "Read setting from machine".
- "Pattern":Create dotted line.

5.Save this contour file and copy to U-Disk.

Cut out	Х
Cutting Advanced settings Tool settings	
Sorting Length V Cut innerobjects first Sort Zig-zag	
Step-by-step cutting       Slow Forward feeding with scribed line         Step-by-step cutting length:       200 mm +         Overcut at step limits when using step by step cutting:       4 mm +	
Tangential emulation	
Extra feeding when using testfeed:     0 mm •       Feed forward after cut:     0 mm •       Cut off vinyl automatically during cutting:     0	
☑ Cut in colour order	
Colour( RGB Settings #FFF0 0 Force: 0 Speed: 0 Num laps: 1 Tool: 2	
#E62029 Force: 0 Speed: 0 Num laps: 1 Tool: 1	< >>
#332B2A Setup has been completed	Information Animate Speed: East
Edit attributes	Job Length (X): 247.84 mm Media Width (Y): 495.00 mm Media Length (X): 685.00 mm Number of points: 729 Position: 0.00 , 0.00
Cut out Testfeed Testcut	Help Apply Close

## • When the Setup has been completed.then click "Cut out"to save as your PLT files.

🖉 Sigr	🖋 SignCut Productivity Pro 2 - Premium (Administrator @ QWERTRTP123) - C:\Users\Administrator\AppData\Roaming\SignCut2\Import\Untitled-1.ai — 🛛 🗙								$\times$		
File Ec	lit Sp	pecial cutting Setting	is View Help A	ccount							
		Save As		<u>_</u>					×	]	
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$\square$		组织 ▼ 新建文	件夹	~							☆
0	Y	📃 此电脑	* 名称		修改日期	类型	大小			Settings panel	
		3D 对象			没有与搜索条件	井匹配的项。				Top toolbar	3
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		↓ 下载								Tiling / Paneling	
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44		桌面								Zooming tools	
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		File <u>n</u> ame:	candy box						~	Opens the cut-out	
		Save as type:	plt (*.plt)						~	dialog	
		∧ Hide Folders						<u>S</u> ave	Cancel	Shortcut keys	$\sim$
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V. 1	N 1										

Vulcan - Vulcan FC-500VC @ File

#### 3.01.3 Send file to machine

- Copy to USB flash disk.Insert the U-Disk into the machine for reading (Please refer to Vulcan Users manual) .
- USB cable connection output:please check Page 10. The setting parameter is the same as U-Disk. But it doesn't need to be saved "Plt files", Click"Cut out".
- WI-FI connection output .
- LAN cable connection output.

#### WI-FI connection



#### Control different flatbed cutting plotters from one computer



## Control one flatbed cutting plotter from multiple computers

Note: Just connect to the same network, Every computer can search the IP address of this machine and operate this mahcine. about setting parameter is the same as U-Disk, please check Page 10 But it doesn't need to be saved "Plt files", Click "Cut out"

#### LAN cable

Connection PC and Machine by LAN cable first. Then open the software.

1, Open network & Internet setting



2, Select "Change adapter options" Then select wired network and Properties.



#### 3,Select "TCP/IPv4",Then enter the number"192.168.0.251"

Organise   Enable this network device	Diagnose this connection Rename this connection	Change settings of this connection	
internet Disabled Realtek PCIe GbE Family Controller	Image: Strain Connection       Image: Connection         Image: Connect using:       Image: Connect using:         Image: Connect using:       Image: Connect using: Configure         Image: Client for Microsoft Networks       Image: Client for Microsoft Networks         Image: Client for Microsoft Network Adapter Multiplexor Protocol       Image: Microsoft Network Adapter Multiplexor Protocol         Image: Microsoft Network Adapter Multiplexor Protocol       Image: Microsoft Network Adapter Multiplexor Protocol         Image: Microsoft Network Adapter Multiplexor Protocol       Image: Microsoft Network Adapter Multiplexor Protocol         Image: Microsoft Network Adapter Multiplexor Protocol       Image: Microsoft Network Adapter Multiplexor Protocol         Image: Internet Protocol Version 6 (TCP/IPv6)       Image: Nicrosoft Network Adapter Multiplexor Protocol         Image: Internet Protocol Version 6 (TCP/IPv6)       Image: Nicrosoft Network Methy Multiplexor Protocol         Image: Internet Protocol Version 6 (TCP/IPv6)       Image: Nicrosoft Network Methy Multiplexor Protocol         Image: Internet Protocol Protocol/Internet Protocol The default wide area network protocol that provides communication across diverse interconnected networks.	X       Internet 协议版本 4 (TCP/IPv4) Properties       X         General       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.       Qbtain an IP address automatically         3.       Optain an IP address automatically         IP address:       4.       192.168.0.251         Subnet mask:       195.255.255.0         Default gateway:       .         Optain DNS server addresses:       Preferred DNS server:         Preferred DNS server:       .         Alternative DNS server:       .         Validate settings upon exit       Adyanced	
	OK Can	cel 5. OK Cancel	

2 items 1 item selected

== 🖿

#### 4,SSetup Completed.elect,Now return to your software,as shown:

🖋 SignCut Productivity Pro 2 - Premium (Administrator @ QWERTRTP123)	- 🗆 ×
File Edit Special cutting Settings View Help Account	
🕋 🔜 🎸 🛵 📥 🛃 🗶 😰	
Image Tiles 1 Cutter	Sincut Help
	×
Cutter Advanced settings Driver setup Presets	-
Manufacturer:	ТСР/ІР
Vulcan	Detected neighbourhood devices:
Cutter:	
Vulcan FC-500VC	4 Vulcan FC-500VC-01 , Serial: 0000000000 , IP-address: 192.168.0.252
Output Device / Port:	
2. TCP/IP	- Rescan
Baud:	
38400	Host/IP-Address: 192.168.0.252 Port: 9100 Test c
	<b>0.</b> 0k
C C	
	Cancel
Vulcan - Vulcan EC-500VC @ TCPIP	

About setting parameter is the same as U-Disk, please check Page 10 But it doesn't need to be saved "Plt files", Click "Cut out".