# User Manual for Redsail Red dot Cutting Plotter under WinPCSIGN

## Weclome to use Redsail Cutting Plotter.

- -. Connect PC with cutting plotter correctly, set outputting data correctly, add positioning sign, and print.
- 1. Connect PC with cutting plotter using USB(or 232) cable.
- 2. Inserting WinPCSIGN software dog in USB port and open WinPCSIGN software.
- 3. Import WinPCSIGN file, and set outputting data.

### A Click ; Plotter codes; under ; Setting; .

a <u>p</u> e	Setting	<u>Window Help</u>		
FÍ	Brush	/ Pen		
_	Setup Line Snap Grid <u>P</u> age <u>U</u> nit	gui des		
1	Plotte	er codes		
	✓ Power:	ful computer	ON/OFF	1
	Fill : Ignore	elected elements brush color	nts	

Picture1

#### **B** Set below items correctly

ication Commands
ication Commands
ity Hardware
Accept/Save
Cancel



Attention: the choice of PORT must correspond with port in computure Device Manager.



#### C Click ; Communicaton; button in Picture2, set as Picture 3.

1. Edit file and add positioning point.

A. After editting, need add cutting contour for cutting object, use Tool/Outline for letter and logo, as Picture4, set Outline item, produce contour effect, as Picture5. Use ; Bitmap outline; to add contour line for pictures, as Picture6 and Picture7, effect as Picture8.



Picture4



Picture5



Contour	Cut	×
	Tolerance	+ + + +
Inline	0 Add path	Outline





2 <b>7</b> U	inPCSIGN - [WinPCS2]			
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Picture10



2. Adjust positioning point and print file, as Picture11, Picture12.

VinPCSIGN - [VinPCS2] - - X III File Edit View Draw Text Tools Bitmap Shape Setting Mindow Help <u>N</u>ew Open Ctrl+N Ctrl+O C Close CILIPART <u>S</u>ave Save <u>A</u>s. Ctrl+S 3 WEBART HI/GIAI/11 Capture screen Alt+C Select source Acquire SHARE CLIPART Ctrl+I , Import Export Ctrl+E WEB VIDEO Email. Insert batch clipart in pic Pro Version Sign MAX logos Ctrl+L **AUTO** . Production sheet Print. Fit and print WEBSITE Print pre<u>v</u>iew 20 CUT P<u>r</u>int setup. Plus and Pro Versions Crop Marks . Plus and Pro Versions \* Cut/Plot. . F10 Send to file File 0 E<u>x</u>it < H:0.0 W:0.0 cm NUM 00:01:18 Print the active document X: -5.267 , Y: 29.343

Picture12

🖮 🛛 🔯 😂 13:52

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#### $\Box$ , Put paper well.

1. Put paper on the machine(pay attention to the direction of paper), open Red dot indicator light, adjust the position of paper, let Red dot indicator light and first point coincide, then compress pinch roller, as Picture13, Picture14.

2. Adjust offline mode, let carriage aside third point, open pinch roller, adjust third position, let it and Red dot coincide, as Picture15.

3. Repeat 1 and 2 till Red dot can coincide with the first and the

third point when move carriage. (Now, X,Y direction axis of file basicly align with X,Y direction axis of cutting plotter)



Picture13



Picture14



#### $\Xi$ , Adjust offset.(Only need adjust in the first time)

Because blade and Red dot indicator light have mechanical offset, and every machine;s offset has a little difference. We have an experience value: X:480, Y:-705. As Picture16, Picture17.

Cutting control pane	el (REDSAIL RS720C/24 COM4	0	? 🛛
REDSAIL RS720C/24	Panels Material : 119.00 Mirror Pressure : 130 Rotate Weeding	Selected object     Send to file       ✓ Advance     Register       ✓ Weed all     Call and the second	Start Return
Options	All colors (1)	>> Vinyl Size: 8.93 x 9.25	Stop cutting

Picture16

Print and Cut Registration	×
	Control Panel
Cancel	
Micro adjustement X: 480 Y: -705	(Dx,Dy)



1. Add our experience value in ; Micro adjustement;, then click ; High precision;.

2. Adjust to offline mode, move Red dot to the first point aside, then change online mode, adjust four direction arrows in ; Control Panel; , let Red dot and

the first point coincide.

3. Then click ; next step; , Red dot will move to the second point automaticlly, then adjust arrows, let Red dot and the second point coincide, the same way to adjust the third point, then click next step. It has below interface.

Cutting control panel	(REDSAIL RS7200	C/24 CO <b>N</b> 4	)	? 🗙
REDSAIL RS720C/24 Panels Cut fast Cut medium	Material : 119.00 Pressure : 130	☐ Mirror ☐ Rotate ☐ Weeding	Selected object     ☐ Send to file       ✓ Advance     Register       ✓ Weed all     ☑ ☑ ☑ ☑ ☑       Length x Height	Start Return
Options All co	ilors (1)		>> Vinyl Size: 11.97 x 19.04	Stop cutting

#### Picture18

4. Click ; Start; to cutting, as Picture18.

5. After cutting, compare path with wanted path, check offset. Measure the offset value of X and Y direction using ruler, then increase or decrease offset value( you can adjust 40 in the software if offset 1mm) (coordinate direction refer to Picture19)



Picture19

6. Repeat 1-5 till the path can coincide. Write down offset, you can use these

#### offset value later.

四、 Adjust positioning point and cutting.

1. After adusting offset, then you can cut, click ; Cuntting Panel; as Picture20, will show panel as Picture21, click ; register;.



Picture20

Cutting control pa	anel (REDSAIL RS	720C/24 CO <b>m</b> 4)		? 🛽
REDSAIL RS720C/24	Panels Material : 119 Pressure : 130	1.00 Mirror Rotate	Image: Selected object     Selected object       Image: Advance     Register       Image: Weed all     Image: Selected object	Return
Options	All colors (1)		>> Vinyl Size: 8.93 x 9.25	Stop cutting

Picture21

Print and Cut Registration	
	Control Panel 1st Point A F High precision next step
Cancel	
Micro adjustement	(Dx,Dy)
X: 452 Y: -705	(-120,-100)

Picture22

2. Amend X and Y in Mirco adjustement in Picture22. Then close this window, click ; register; again, this step is for saving offset value, open and check offset value whether you want.

3. Click ; high precision; . Open Red dot indicator light, adjust to offline mode, then move Red dot to first point, adjust again as Picture24.

Print and Cut Registration	X
	Control Panel
Cancel	
Micro adjustement	(Dx,Dy)
X: 452 Y: -705	(-120,-100)

Picture23



Picture24



Picture25



4. After adjusting the first point, click next step, then go to the second point, adjust the second point, as Picture25, the third point as Picture26, till now three positioning point are adjusted well, click ; next step; , click ; start; to cut as Picture27.

REDSAIL RS720C/24	Panels Material: 119.00 Pressure : 130	☐ Mirror ☐ Rotate ☐ Weeding	✓     Selected object     ✓     Send to file       ✓     Advance     Register       ✓     Weed all     ☑     ☑	Start Return
Options	All colors (1)		>> Vinyl Size: 11.97 x 19.04	Stop cutting

Picture27