## Redsail Cutting Plotter User Manual for USB Port

# (USB Port)

In order to further improve our products, we add USB port to the plotter. Please connect the computer and cutting plotter with the USB cable, it is easy to operate but useful, and there is another choice except outputting from RS232 port.

### Installation of USB Drivers

#### First Install Redsail Cutting Plotter USB Driver

1 Run the USB Driver from the CD.



2 Click "OK" to complete the installation.



After the installation of USB Driver, we will output from this port,

and take "Artcut 2005" as an example, please see below.

#### Second Settings

#### (when Output from Artcut from USB Port)

1. Please install Artcut first, then connect the computer and

the cutting plotter.

Remark: our USB port support hot plug in/out. You can plug in

/out when offline, however, it is better not plug in/out.

**2.** Please check the setting in the computer as below:

2.1 Right click "My Computer", then left click "Properties" as

the picture shows:



2.2 Choose "Hardware", select the "Device Manager", there appears "Ports (COM and LPT)" option, and there are COM1, COM2, LPT1, COM3, etc. Please see the photos below:





2.3 Select "USB Serial Port (COM X)", double click left key of the Mouse, select the "Port settings", then, choose "XON/XOFF" in "Flow Control" as shown in the figure.

🚇 Device Manager 📃 🗖 🗙	USB Serial Port (COM3) Properties	
File Action View Help	General Port Settings Driver	
<ul> <li>HFLASER-JRQAQHP</li> <li>HFLASER-JRQAQHP</li> <li>Gotputer</li> <li>Display adapters</li> <li>DVD/CD-ROM drives</li> <li>Floppy disk controllers</li> <li>Floppy disk controllers</li> <li>Floppy disk drives</li> <li>DE ATA/ATAPI controllers</li> <li>Keyboards</li> <li>Mice and other pointing devices</li> <li>Monitors</li> <li>Network adapters</li> <li>Ports (COM &amp; LPT)</li> <li>Communications Port (COM1)</li> <li>Communications Port (COM3)</li> <li>Processors</li> <li>Sound, video and game controllers</li> </ul>	Bits per second: 9600  Data bits: 8 Parity: None Stop bits: 1 Flow control: Kon / Xolf Advanced Restore Default	
System devices	OK Cane	el

2.4 Select "Advanced...", then select "COM1/COM2" in the

"COM Port Number" of the "Advanced Settings for com port", as

USB Serial Port (COM2) Properties 🔹 🤶 🔀	Advanced Settings for COM2
General Port Settings Driver Bits per second 9600 • Data bits: 8 • Parity: None • Stop bits: 1 • Flow controt: Xon / Xoff • Advanced Restore Defaults	COM Port Number:

shown below.

USB Serial Port (COM2) Properties ? 🔀	Advanced Settings for COM2
General Port Settings Driver	COM Port Number: COM3 (in use) 💌
Bits per second: 9600     Data bits: 8   Parity: None  Stop bits: 1	USB Transfer Size UNAZ USB Transfer Size UNAZ UMM3 (in use) Select lower settint COM4 Select higher settings for faster performance. Receive (Bytes): Transmit (Bytes): 4096 Transmit (Bytes): 4096 Transfer (Bytes): 4096 Transfer (Bytes): 4096 Transfer (Bytes): 4007 Transfer (Bytes
Flow control: Xon / Xoff	BM Options Select lower settings to correct response problems. Latency Timer (msec): 16 Cancel If Power Off
DK Cancel	Timeouts Event On Surprise Rer Minimum Read Timeout (msec): 0

2.5 Then the "Communications Port (Com 2) " will be disabled because you have chosen it as a USB port for Artcut 2005. Please choose "Disable; as the picture shows.

Ports (COM & LPT)		Ports (COM & LPT)
Communications Port (COM2)	Undate Driver	Communications Port (COM1)
USB Serial Port (COM2)	Disable	Printer Port (LDT1)
Processors	Uninstal	USB Serial Port (COM2)
SCSI Controller	Scan for hardware changes	🕀 🜧 Processors
Sound, video and game control	Properties	🖃 🌑 SCSI and RAID controllers
• System devices		

 After the setting of the computer, let's come to the software.
 All settings in "Artcut 2005" should come in line with the settings of the computer.

3.1 If you choose "COM2" as the output port in the computer, it should be "COM2" in "Artcut 2005"; if you choose "COM1" in the computer, please choose "COM1" in the software accordingly. Please check the figures.

Remark: Only COM1 and COM2 are available.

Device R	EDSAIL(HPGL)	🚽 link to 🔯	om2 🔽 Setup
) Vinyl Size	r Page Size	⊐ – Start position — – ∩utnut Batin —	000000000000000000000000000000000000000
100112 201 Cont	Width 210		Llose
(User Define ▼ Width: 440	Height 297	Top: 0 Sort Plotting	Cut/Plot
[User Define - Width: 440 Height: 3000	Height 297	Top: 0 ✓ Sort Plotting	Cut/Plot

Set	Engraver/Router's Output
	Device REDSAIL(HPGL)   Iink to com2  Setup
Г	Device Setup
	Vinyl PageSize setting Command set Serial Port Setting Ploter Compensation Port Com2 Baud Rate: 9600 C Data Bits: 8 Check: None C Stop Bits: 1 C Sequential Control: DTR/DSR VXON/XOFF RTS/CTS DTR/DSR Dtling Cut/Plot h line Copies
	OK     Cancel     Add     Change     Numbers     1       Joint     0mm ▼     Image     Image     Image     Image

3.2 Similarly, if you choose "XON/XOFF" in "Flow Control" of the computer's properties, you also should choose "XON/XOFF" in "Artcut 2005".

Set Er	ngraver/	Router's Out	put						×
C	Device	REDSAIL(HI	PGL)		-	link to	com2	-	Setup
De	evice Set	tup							dari.
	Viny Seria Data B Stop B	Il PageSize setti al Port Setting It: com2 v its: 8 v its: 1 v uential Control:	ng   Pk Baud Rate: Check: Check: Check: XON/XC	Comm oter Compe 9600 • None •	and set msation	tatio-	іобобос <u>т</u> ] ]	estC Copies	Close ut/Plot
	ОК	Can	cel /	Add	Change		Nu	umbers 1	<u> </u>
J	Joint Omm		<b>v</b>	all	black	-	Horz I Vert I	nterval 0 Interval 0	

Then, please click "Yes" to save all the parameters.



After the settings above, It is easy to output from USB port for Redsail cutting plotters.