

Eastsign

Cutting Plotter

User Manual



Eastsign

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Chapter 1. Introduction

Thanks for using A Series Cutting Plotter , Which adopts DSP microprocessor with fast speed, low noise and strong anti-jamming capability. In order to meet customers' increasingly demands, we designed many new functions includes Built-in Sharp-angled Closed and Compensation, Automatic Contour Cutting (optional) and so on. It is our great honor to share our most advanced technologies and products with you, we will provide best service for you during all your usage of our products. Before use it, please read this manual carefully to ensure best cutting quality.

Chapter 2. Note

In order to ensure the safety and Cutting Plotter used correctly, please read this manual before using. Read the handbook after, manual should be put in the position to conveniently get a quick reference when needed. Don't let child contact Cutting Plotter. The following is an important point of safe operation instructions, please strict obey. Safety symbols that Ensure grounding installation

1. Must use the correct three-core earth socket



Ground

2. If ungrounded, once leakage, can cause operators received a shock damage,(such as injuries or property damage, responsibility conceited. At the same time may have burnt out machines

3. May draw on carving machine in water, rain a to the places where snow.



Avoid liquid

4. once leakage, can cause shock or fire.

5. If cutting plotter smoke, too hot or function is not normal, please stop to use and switch off the power supply at once.

6. From the wall-socket uproot the power cord.

7. Second-ranking in this state continue to use machine, can cause shock or fire.

8. Second-ranking are convinced that no longer smoke after drawing machine carved with game sharpness at once, please contact the company technical services.

Just be carefully for operating the Machine.

9. when operating, your hands without the knife.



No touch

10. Keep your hands, hair, leave carved draw machine moving parts

Just avoid the sunlight and the air condition for plotter.

11. If so, which will reduce plotter function.

12. No water or other fluid container for putting on the plotter.



Unplug from the outlet

13. Flow fluid infiltration controller, will due to short circuit and cause shock or fire

14. If any water or others get into the plotter, stop the machine and switch off the power.

15. Don't use plotter in dusty or humid place.

16. Otherwise, it will affect the plotter functions.

Don't do STH without authorization in drawing machine mechanical parts or add any lubricating oil

17. Otherwise, will break the plotter.

18. If the machine cannot work well, just contact with distributors.

Just keep enough space for the plotter working

19. Otherwise, the media will be blocked and affect the cutting result.

20. Just choose the suitable cutting blades.

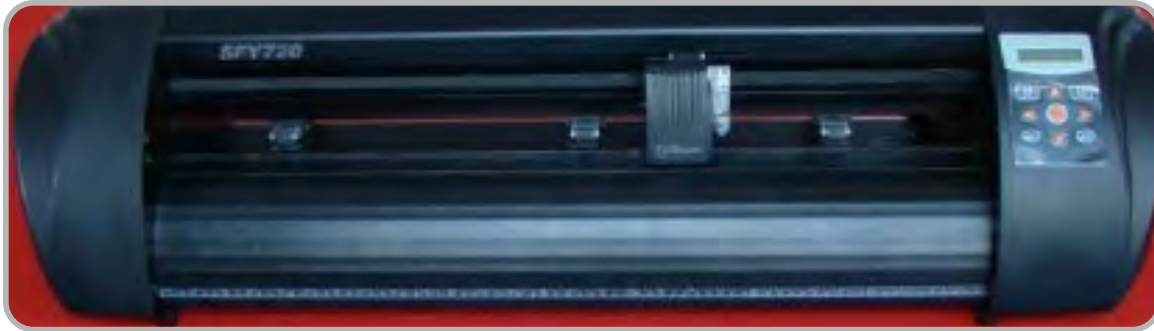
21. If the cutting blade is over position, will reduce the cutting quality.

22. Normally the cutting blade have the reasonable 0.1mm, which will avoid cut the media

23. Otherwise, it will easily burn the boards.

Chapter 3. Machine Structure

1. Remove packing box, then check all items according to packing list



Cutting Plotter 1pc



Blade holder



Drawing Pen and Holder



Power Cable



USB Cable



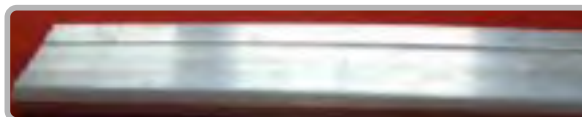
Screwdriver



Rubber stand 4pcs



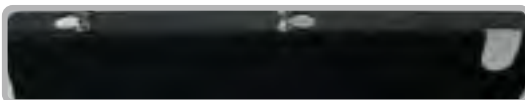
Stand 2pcs



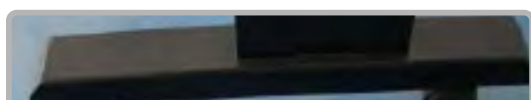
Stand 1pcs



Media Roller 1pc



The "L" Shape 2pcs



Stand 2pcs



Cutting Blade 3pcs



Fuse 2pcs



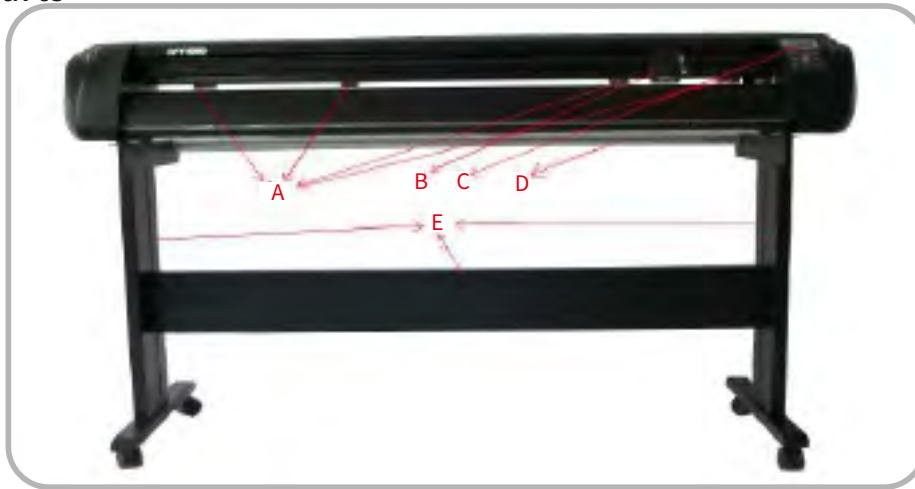
USB driver & Manual



Artcut

Note: the above items may be a little bit different in different sales areas, please check with your distributors if you found difference.

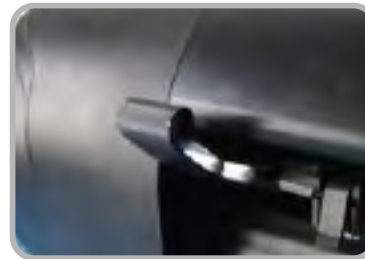
2. Main Parts



A. Roller B. Carriage C. Control Panel D. Media Roller E. Stand



F. Fuse G.Socket H. Switch on/off



Media Handle

3. blades and cutter

3.1. blades is Roland model

3.2. There are three blades totally, two of blades are 45 angle-degree, one is 35 angle-degree.

3.3. When you install blades, pls adjust knob length to stretch out the depth (figure 1)

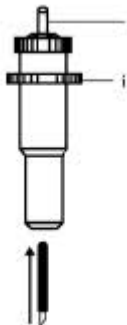


Figure 1



Figure 2

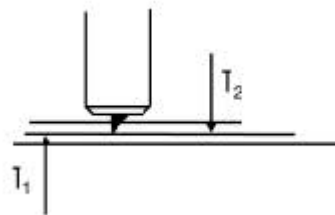


Figure 3

3.4. After adjust the length of blades point, pls knob the spanner. (the right blades point length is important for layering and Carved medium)

3.5. Blades point out length as Figure 3

T1: Thickness of Carved medium counter die

T2: thickness of Carved medium pellicle

$T1+T2 > \text{length of blades out} > T2$

4. draw pen ,cutter introduction










You can Use mapping pen to draw design picture on the paper. Please reduce pressure when drawing , lest damage paper, and make compensation in software . If (FIG. 4) installed mapping pen



Chapter 4. Operation Instructions

3.1. Control Panel






- A.  the carriage move left and right controlled by the left and right key.
- B. Fluctuation button control Y paper feeding roller and move, after pressing the  SET UP/Ok in offline state, the  can adjust the pressure and speed and other functions of open or closed
- C.  after moving the carriage to the target position, press this key, then it's in the position waiting to connect the computer(online),
- D.  this is the on/off open key. Online: it means that plotter in a waiting to send data state, and the light in the  is green; offline: it means that the plotter is on the artificially state, and the light in the  is red, it can't receive the data from the computer.
- E. , this is the function key, press this key if online, then it can enter function setting, now you can adjust on-off of the speed, knife pressure and other functions.
- F.  this key is used for testing knife pressure, speed, and the tools-tip stretch out length whether can accord with current material requirements. Usually before starting work, it's better to test it, after confirming everything is normal, then start working.




3.2. Sub-menu

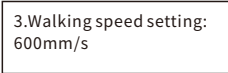



Press this  when offline, then the plotter shows as below:

1.speed 600mm/s

A. Speed setting: it can increase or decrease the speed through   after adjusting then enter  to confirm.

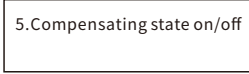



B. Knife pressure setting: continue enter , then the plotter show as follows: This time you can increase or decrease the pressure of cutting through 

This time you can increase or decrease the pressure of cutting through  , then enter  to confirm.


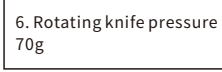



C.  Walking speed setting: through   increase or decrease walking speed, then enter  to confirm.

D.  Acute-angle compensation setting: through   open or close acute-angle compensation, then enter  to confirm.


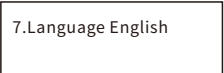



Notice: when use U disk or coredraw, in order to ensure the effect of cutting, please open acute-angle compensation. If you use Wentai or Engraved paint master, please close auto-angle compensation, because they include this function.

E. Compensation setting:  Now can through   hopen or closed compensation, wait after you adjust, pls put  confirm.


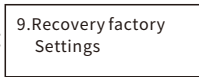



Note: when you use U or COREDRAW direct cutting output, in order to ensure the effect of "please open the closed compensation" if you are to use the wen tai or draw master output, pls close the closed compensation and because the latter two software take this function.


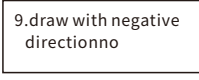



F. Rotating knife pressure setting: continue pass  cutting plotter  Now can through   Increase or decrease of rotating knife lettering plotter pressure, please enter  to confirm after adjust it finish.

Note: Since we are using the engraving tool with a certain angle, cutting thicker materials, for the first time knife broken or blade is not easy to walk direction, after several experiments we added this feature can effectively avoid the first knife broken down.







G.: Language Settings: continue press , it will appear as follow:  At this point you can switch   the display language cutting plotter (currently we have provided a built-in Chinese and English display), then enter  to confirm.

H. Aging set :This function is aging settings which default-used in the factory, not recommended to use.

I.Recovery factory setting: Continue  cutting plotter display as follows: 
At this point you can restore the factory setting   switching is, then enter 
to confirm.

J. draw to cut with negative direction function setting: continue  cutting plotter
display the follow:  Now you can   the draw down (cut down), then
enter  to confirm.

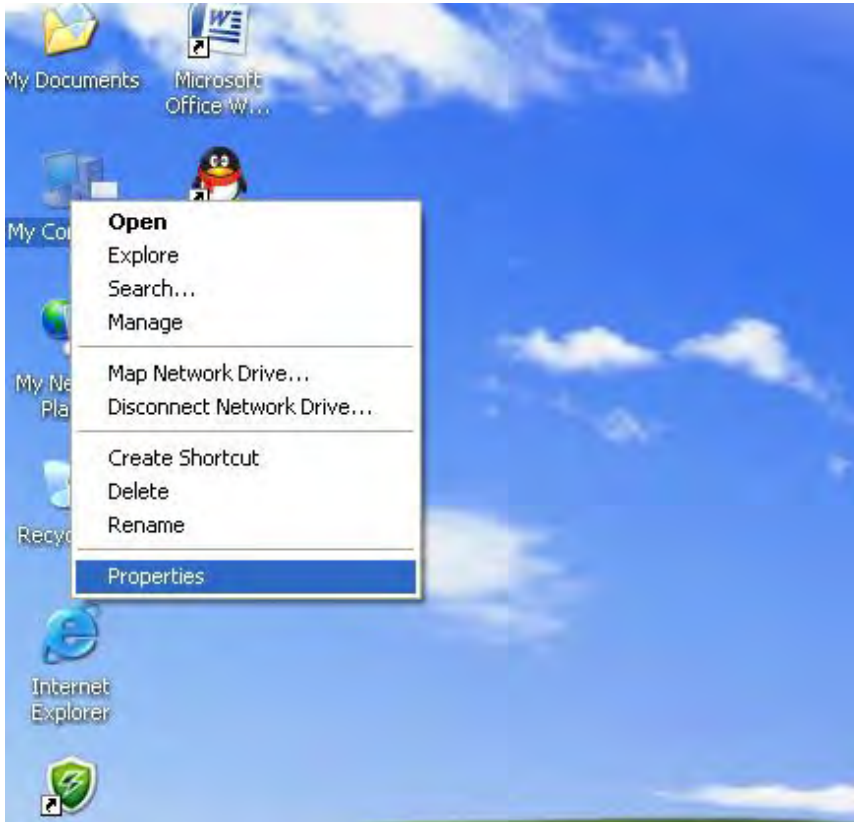
Note: "Cut down painted down" feature in the cutting plotter industry, "Flying G" is the first, this feature can effectively save as set blade pressure caused by the lettering is not through words or art materials caused no significant problems waste . pre-operation did not.

The specific use Instructions : when it cant cutting through or painted lettering found not significant ,you can enter ,and move through    when the pen -
vehicle show the place or moment which the output file through last time , enter  to
confirm, then find draw to cut with negative directionmenu, select "Yes", then enter  .
the machine will from the current starting point to work again.

Above the simple instructions for the machine, the user found in the use of unclear or there will not be used, please immediately contact your dealer or our company.

Chapter 5. Connection Port Setting

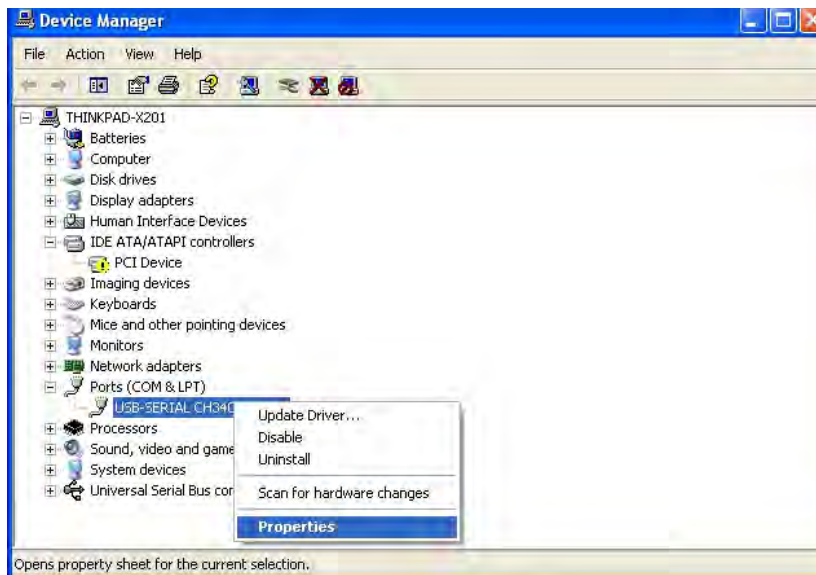
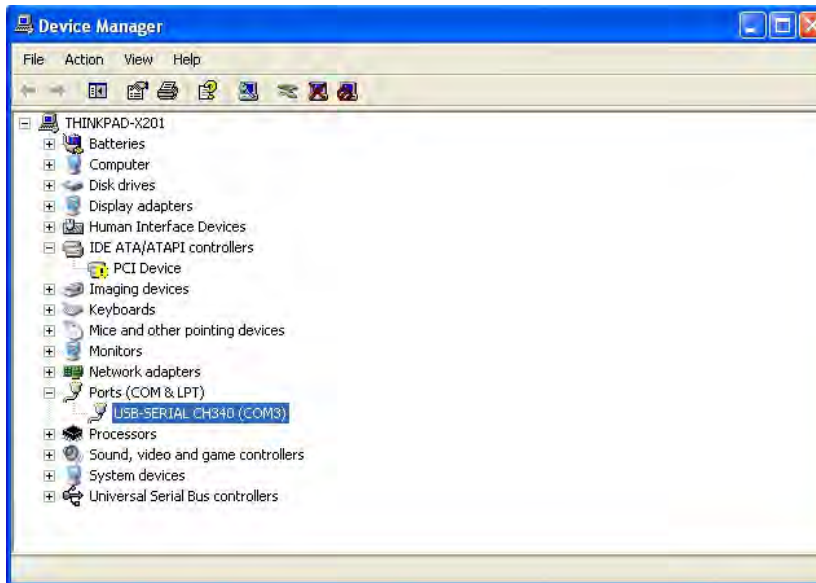
1. After USB drive installation, Click "My computer" on desk by mouse (Right) , then choose "Properties" as following,



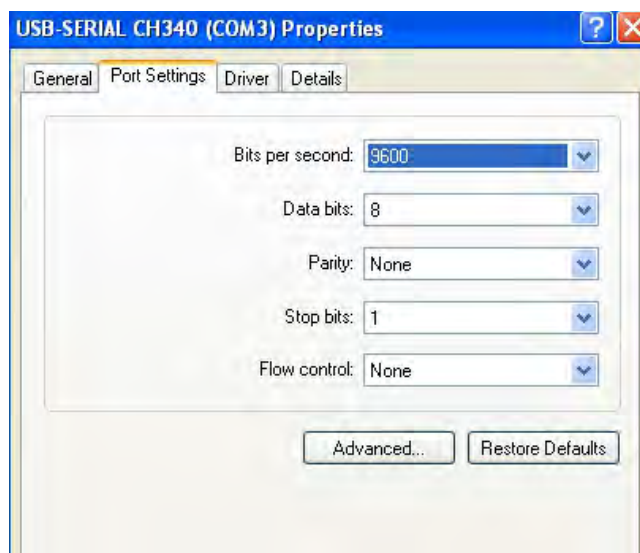
2. Then choose "Hardware"---" Device Manager" as following,



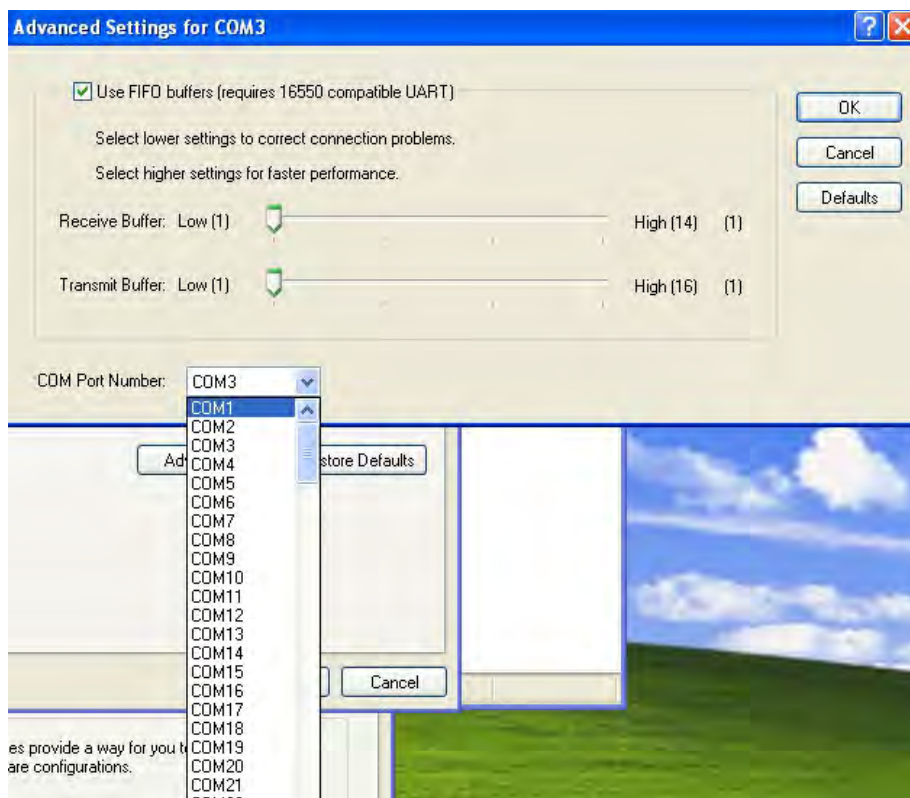
3. Then use mouse(right) to click "Port" ---" CH340" (COM1) as following, then choose the "Properties"as following,



4. Click "Port Setting" as following :



5. Then click "Advanced" as following,

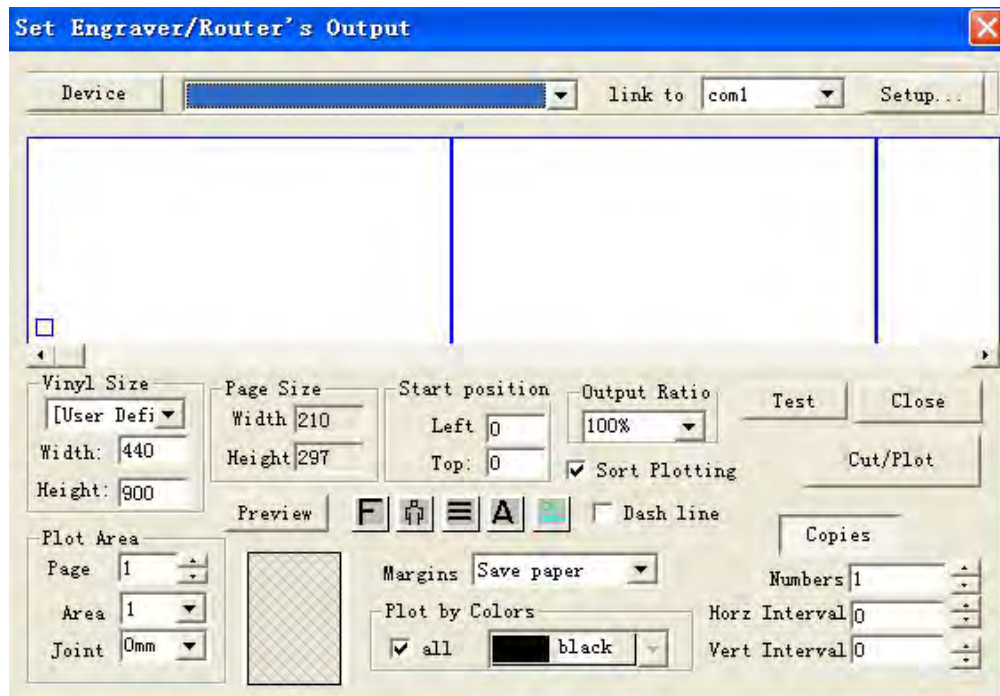


Choose "COM1", then "OK", Port Setting finished.

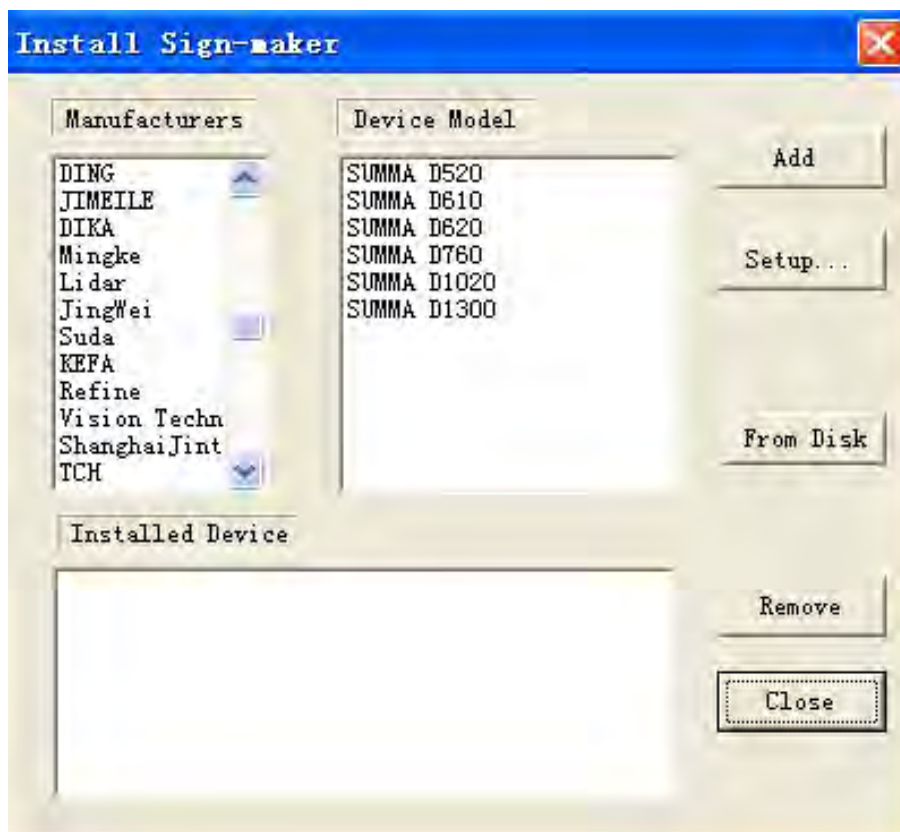
Attention: keep the "Receive Buffer" and "Transmit Buffer" Both Minimum Lowest

Chapter 6. File Export Setting in Artcut (Other software similar setting as following)

1. Open Artcut software, edit the file and choose "File"---"Cut/Plot" or click , will show the following:



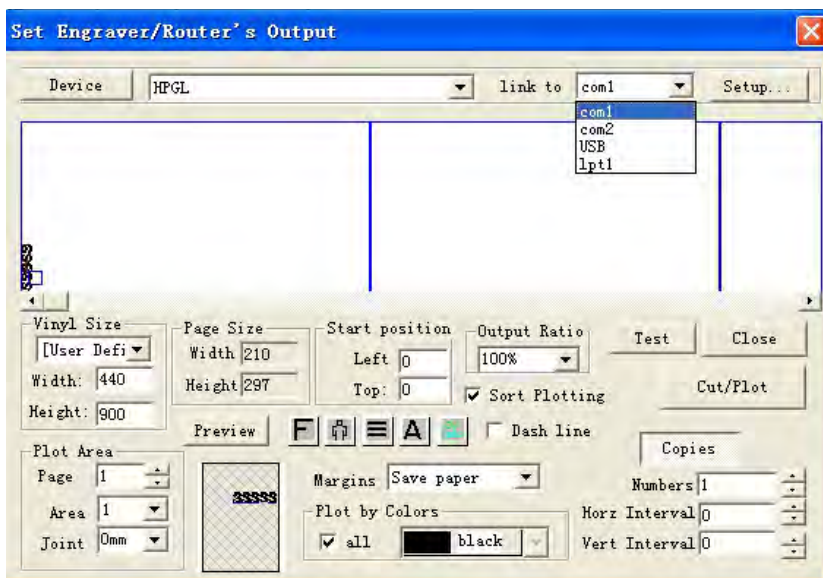
2. Click the left "Device" as following



3. Choose "Other"---"HPGL" or "DMPL" as following,

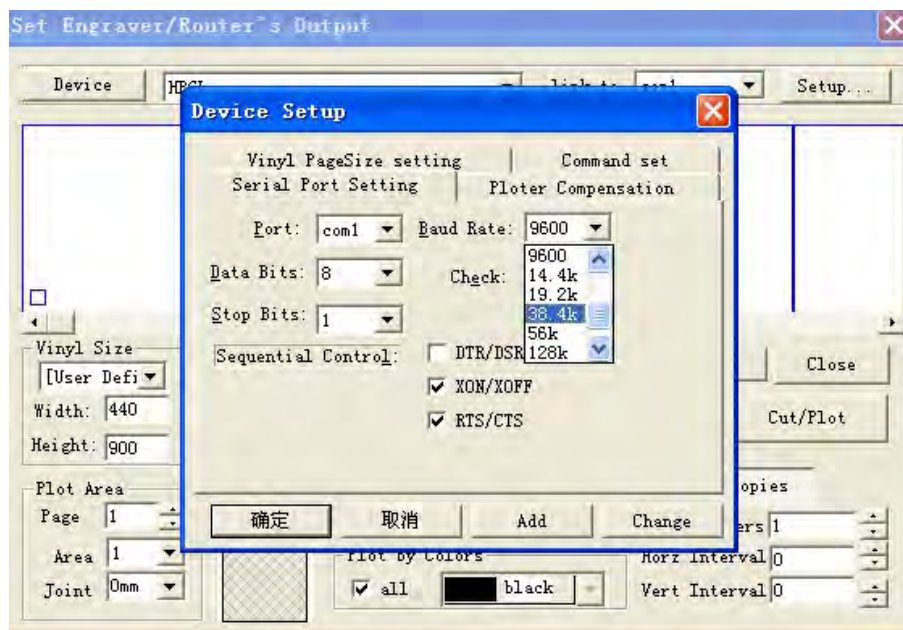


4. Then close the above dialog, then click "Link to" COM1, as following,



5) Then click right "Setup"---" Port"---"COM1", "Baud Rate"---"38.4k" as following,



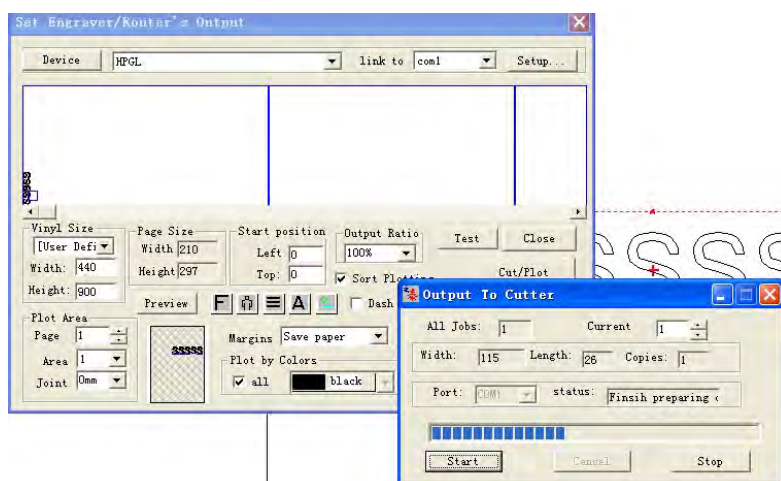
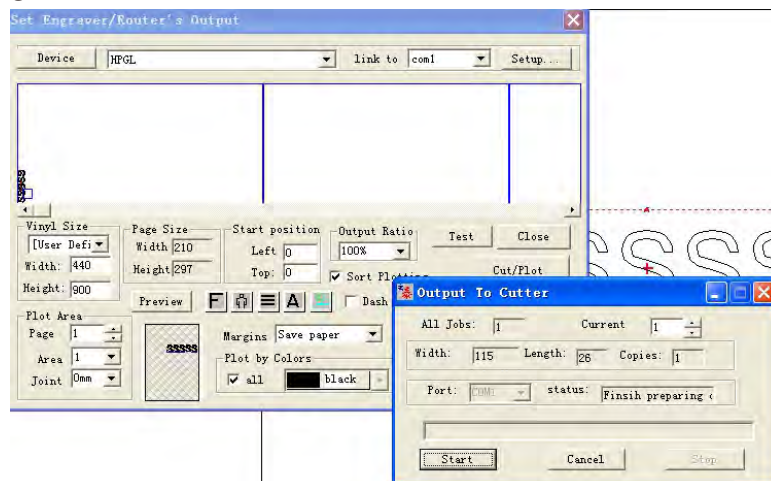


Cut/Plot port setting finished.

Some customers maybe choose COM2 in USB Port setting, it is same setting way as above and finally choose COM2 in Artcut "Cut/Plot".

6)Click "Cut/Plot", then send the file to Plotter.

[Attention: Pls ensure the Plotter machine under "Online". If "Offline" the plotter will not respond the settings.]



Chapter 7. Other Installation

7.1. For USB Driver installation, pls check the install-english.exe for the whole operation which includes in Installation CD.

7.2. For CorelDraw Driver installation, pls check the install video.exe for the whole operation which includes in Installation CD.

Chapter 8. Limitation of liability

- 8.1. Eastsign is not liable for any damaging consequences resulting from the execution of repairs on the Machinery without its prior approval, executed by the Buyer or by a third party.
- 8.2. The warranty does not apply, for example but not limited to: to parts subject to normal wear; to damages caused by improper or inadequate maintenance, incorrect positioning, incorrect operations of the Buyer's personnel, use of incorrect raw materials, faulty or careless treatment, overexploitation of the devices; to use in any application other than that for which it was intended; to subject to misuse, abuse, accidental damage, modification, improper wiring; to damages or deterioration caused or aggravated by missed interruption of use of the machinery in case of technical problems or sudden change in voltage or in processing temperature or excessive humidity power or any other cause which does not relate to Eastsign.
- 8.3. The warranty loses all its effects when any equipment or devices or supplies not provided by Eastsign is installed on the Machinery, when the Machinery is modified without the prior written approval of Eastsign. mation on our

Website: http://www.eastsign.com/warranty_form.php

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