### SE 100 (Ioline SmarTrac 60) Control Center, Stencil Works Software, Stencil Fonts and Driver Set up.

#### Install Ioline Control Center: Do not Install IQ Plot

- 1. Make sure the cutter power switch is OFF ('O' symbol on the switch is depressed). Install the power cable between a wall outlet and the power socket on the back of the machine.
- 2. Install the software from the Ioline Installation CD to the PC that will control the cutter. Only choose the Ioline Control Center and manuals. If available, the IQ Plot is not needed and should not be installed.
- 3. Plug in the USB cable to the back of the machine (near the power cable) and to an open USB port on the PC.
- 4. Power on the cutter. Once the carriage stops moving and the keypad light is red, click on the Set Origin button on the keypad. The keypad light should be GREEN.
- 5. Open the Control Center software by clicking the Start button then choosing All Programs then opening the loline folder and double clicking loline Control Center.
- 6. Choose Display from the menu at the top of the screen then USB Info.



Figure 1: The USB Info menu

7. Find the COM port window and take note of what port the cutter is connected to. Write down the number in the space below. You will use this information later. Then click Done.

USB Info	2
Serial	49004vHA
Product	FT232R USB UART
Vendor ID	0x403
Product ID	0x6001
DLL Version	03.01.019
Driver	02.04.34
COM port	СОМ7
	Done

Figure 2: Find the COM port the cutter is connected to

#### My COM port number is: \_\_\_\_\_

8. Keep the loline Control Center open and proceed to adjust blade settings on the next few pages.

#### Setup cut parameters:

#### If using the 45° blade with:

- Easy-Cut polyethylene stencil material

- Decal vinyl material

Measurements Units:	ENGLISH
Panel Size:	X axis 838.00
	Y axis 25.20
Scale:	X-100%
	Y-100%
Auto Loop:	Unchecked
Pounce & Tag board Cut:	Unchecked
Acceleration:	1.0
Delays:	Up 50
	Down 50
Force:	Min. 50
	Max 500
Blade Overcut:	2
Blade Offset:	17
Minimum Angle:	30

**IMPORTANT**: Click the **Send settings to the cutter:** 

**Permanent** button to permanently set these settings in the cutter memory.

#### *If using the 60° blade with:*

- Easy Cut (for small characters)
- Oilboard
- Magnetic Vinyl
- Mylar .004" & .007" thick

Measurements Units:	ENGLISH
Panel Size:	X axis 838.00
	Y axis 25.20
Scale:	X-100%
	Y-100%
Auto Loop:	Unchecked
Pounce & Tag board Cut:	Unchecked
Acceleration:	0.7
Delays:	Up 50
	Down 50
Force:	Min. 50
	Max 500
Blade Overcut:	5-10
Blade Offset:	47
Minimum Angle:	15

**IMPORTANT**: Click the **Send settings to the cutter**: **Permanent** button to permanently set these settings in the

cutter memory.

#### Finish:

Cutter installation is complete. Proceed to installing the EasySign software on the next page.

## \*Install the Stencil Fonts CD

Load the Stencil Font CD into the CD Rom on your computer. Go to **My Computer** and select the CD Drive and open. Go to **Edit** and select **Copy**. Minimize this screen. Go to **Start**. Select **Control Panel** and select **Fonts**. Go to **Edit** and select **Paste**. The Stencil Fonts will be loaded.

## \*Now load the Stencil Works Edition Software

Follow the instructions on the CD. Note: Make sure you <u>do not install the dongle</u> until you have loaded the software.

NOTE: See instructions at the end to register your Software!

## \*Stencil Works Driver Set Up

Please follow these instructions:

Stencil Works CD, go to File, then Device Setup. Click on Add Plotter Wizard...



### Pick the loline SmarTrac 60 Driver.

Add plotter - Driver	
	Add plotter - Driver Select the driver in the list below.
	Driver: oline SmarTrac 60
	Click 'Next' to continue.
	Next > Cancel

#### Devices/Plotters/Ioline SmarTrac 60 and EasySIGN V5 - [Untitled - 1] File Edit Arrange View Insert Effects Bitmap Text Window Help Ctrl+N New from template... Qpen... -100 Ctrl+O Close A Save Ctrl+S Save As... ۲ Archive... Q Archive as... A **Run Archive** Run Print Server Import... Ctrl+I Ctrl+E Export... Compatibility ٠ Colors . Links... Worksheet Information... Ctrl+J Tool Library... Full Color printing using Print Server... Plotting... Alt+P Engraving/routing... A Windows Print... Ctrl+P Send to ۲ Device Setup Open. Paneling Setup... 'Add Plotter' Wizard... Settings... 'Add Router' Wizard... Scan ۲

Then go back to Device Setup/Output

**Plotter Settings.** Open this folder. Click on **Plot settings**. Four items open up on the right.



Click on Sorting and optimization. Click on (No Sorting for Easy Cut or Decal Material Cutting) or (Minimal Vinyl Movement for Oilboard Cutting.) Optimization – Click on Inside first and Swivel knife

Optimization and sorting		×	
Sorting No <u>s</u> orting. Maximum speed. Minimal vinyl moveme	ent.	<u>O</u> K <u>C</u> ancel	
Chunks Use chunks. Minimum chunk size: Maximum chunk size:	800	⊥ mm ⊥ mm	
Optimization <u>P</u> infeed. Inside first. Swivel <u>k</u> nife. Edge extension:	1	<u>≁</u> mm	

# Plot options – click Cut weed borders and Relative plotting. Leave the other items UNCHECKED.

Plotoptions	
Quality: 8	D D D D Cancel
Cut weed borders.	
Relative plotting.	
Start point behind the plot:	m
🗖 Cut vinyl after plotting.	
Extra copies:	
□ <u>M</u> ulti cut: 2	

## IT IS BETTER TO USE THE SETTINGS IN THE IOLINE CONTROL CENTER.

## It will allow you to fine tune the cuts better. But basic settings can be set up in the Stencil Works program.

Plotter Settings - If the machine has been used before, and the Ioline Control Center and settings are being used, you can continue with them. Otherwise, under Plotter Settings, you can uncheck the default and put in the following settings: Speed: 50 Acceleration: - for 45 degree blade: 1.0 - for 60 degree blade: 0.7. Blade Offset: - for 45 degree blade: 17 - for 60 degree blade: 17 Knife Pressure: - 450 grams Select Pen No. 1

If the default boxes are checked, the settings used will be from the loline Control Center. If the boxes are left un-checked, the settings used will be from the EasySign Software.

## Set Up for Stencil Works Software to Cut Stencils

Stencil Fonts must be already loaded.

Open your Stencil software. There will be a toolbar on the left. Click the A. Then click the A (left side) again. Now do the following steps:

1. In the font box, click the arrow and find the Stencil Gothic BD Stencil Font. Move your pointer to the right of the box until you see **Save settings** as default box & click. Now you have locked in your font. You can change it later if you want to.



2. Go to View at the top. Pick the Unit tab. Check Inches. Then click Apply and Ok.

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	Indumuluumuluu 12		Alignment toolba Auto drag - toolba Bitmap view quali Color palette Magnetic toolbar Selected object Status Bar Toolbar Toolbar Transformation as Welding toolbar	ar ty ssistant					
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	and for the second s		Quality Magnetic Units Show special Settings				Millimeters Centimeter Inches Points	s Ctrl+Sł	Ctrl+[ hift+[ Ctrl+] Ctrl+.

3.Still under View/Settings pick the Grid tab. Check Grid is Visible. Grid size 1". Click Apply and OK.

Settings
Page Grid Units Text Cropmarks Color Management
☐ Cursor Snaps to grid. ✓ Grid is Visible. Grid Size: 1 inch
OK Cancel Apoly

- 4. Still under View/Settings, do the following:
  - Under the **Page** tab, click <**Custom>**
  - Check Show page size in status bar
  - Under User defined,
    - change to 24" Length & 12" Height
  - Under Orientation, pick Landscape
  - Under This document, check Page is visible
  - Under General, click all 3 items

Settings 💌
Page Grid Units Text Cropmarks Color Management
Page Size: <custom>       ✓     Show page size in statusbar.</custom>
User defined Length (X): 24  inch Query Height (Y): 12 inch
Orientation © Landscape. © Portrait.
<ul> <li>This document</li> <li>□ <u>B</u>ackground is gray.</li> <li>□ Page is <u>visible</u>.</li> <li>□ Constant for direct the</li> </ul>
General Show objects during transformations.
<ul> <li>Interruptable screen display.</li> <li>Show selection in red.</li> </ul>
OK Cancel Apply

 5. Still under View/Settings, pick the Text tab.
 - Check Connect line distance to font size & Enable international text editor. Uncheck the other two boxes if checked. Click Apply and Ok.

Settings X
Page Grid Units Text Cropmarks Color Management
<ul> <li>Text units always in points.</li> <li>Connect line distance to font size.</li> <li>Enable international texteditor.</li> <li>Splitting text groups the result.</li> </ul>
Default tab distance: 0.3937 inch
Size of small capitals: 72 * %
Position of subscript: 15 *
Size of subscript: 35 * %
Position of superscript: 85 * %
Size of superscript: 35 * %
Restore defaults Text extends
OK Cancel Apply

## \*Setting up the Stencil Border (overspray margin)

Click on the A on the tools bar, Type in STENCIL.
Go to Insert at the top. Production/
Weedborder... A box opens. Enter your Contour Margins of your preferred border size. For now, put in 1.5". Then click Ok, and you will have a 1.5" border around your text. You can change to whatever size you want.

🔵 Eas	EasySIGN V5 - [Untitled - 1]						
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]				Production	•	Weedborder around selection	<u> </u>
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$\sim$						Drillhole	
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Insert a weedborder around the selection						
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Horizontal	Vertical					
	• Non <u>e</u> .					
C Every: 1.9685 📩 inch	C Every: 3.9370 📑 inch					
C Between the lines.						
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C Between and through the lines.						

## \*Port Set Up in Stencil Works

Now go to **Stencil Works** and make sure the port number matches. In Stencil Works software, go to **File** and down to **Device Setup**.

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A		Run Archive			
Ø		Run Print Server			
		Import	Ctrl+I		
0		Export	Ctrl+E		
9		Compatibility	•		
<u>s</u>		Colors	•		
Ø		Links			
_		Worksheet Information	Ctrl+J		
		Tool Library			
	•	Full Color printing using Print Server	8		
ė	9	Plotting	Alt+P		
_		Engraving/routing			
1	6	<u>W</u> indows Print	Ctrl+P		
		Send to	+		
		Device Setup	•	Ор	en
		Paneling Setup	-	'Δr	dd Plotter' Wizard
		Settings		'Ac	dd Router' Wizard
		Scan	• ]		

Click on **Open**. Click on **Ioline SmarTrac 60**, on the right, click on Communication Settings.



Driver is Ioline SmarTrac 60,

Change plotter - Driver	
	Change plotter - Driver Select the driver in the list below. Driver: Ioline SmarTrac 60
	Click 'Next' to continue.

click **Next** and select the port number you wrote down earlier.

Change plotter - Select por	t
	Change plotter - Select port Use this page to setup the port for the device. you can choose from local ports, network shares and an IP-address. Select the port in the list below:
	Include network shares (might be slow). Refresh Click "Next" to continue.
	< Back Next > Finish Cancel

NOTE: <u>IT MAY NOT BE COM 1</u> IT WILL BE THE PORT NO. YOU PICKED EARLIER IN THE INSTRUCTIONS!

The Cutter and Software should now communicate. Please call with any questions. Tech Support: 618-234-5077 NOTE: Now you are ready to start Stencil Works. A Dialog Box will appear reminding you that you must register your software to receive the code that removes the 20 hour time limit. Please call if you need help. Once you register you will receive an email with the code. Thanks.