Addendum to the *Rear Projection* SMART Board[™] 4000i Interactive Whiteboard Installation Guide

In order to obtain optimal image quality with your Epson PowerLite 9300i projector, we recommend downloading and then installing Powerstrip 3.52 or higher software from EnTech Taiwan on your computer hard drive. This software allows you to set your computer resolution to match the projector's native resolution of 1400 x 1050 (SXGA+).

Go to <u>http://www.entechtaiwan.com/index.shtm</u> to download this software and then install it on your computer. Next, configure the PowerStrip software as described below.

To configure your computer's resolution via the PowerStrip software

1. Click the PowerStrip icon in the system tray.



PowerStrip Icon

2. Select Display profiles.



3. Click Configure.

The Display profiles dialog box appears.

🗾 Display profiles	2			? 🗙
NVIDIA GeForce	FX 5200			() ()
Cclor depth		Resolution		
TrueColor (32 bit)	 Image: A state of the state of		1280 x 1024 pixe	 Is
Options		Refresh rate		
Lock all standard refresh rate selection Hide modes not supported by monitor	15	💼 🖓 —	[75 Hz
IMR8811		Custom timing		
Maximum resolution - 2248 x 1264 at 60 H Maximum refresh rate - 95 Hz at 640 x 480	1z)	Adv.	anced timing options.	
Profiles				
(Current settings)		~ (*	Save as	Delete
PowerStrip		Ok	Cancel	Apply

4. Click the **Advanced timing options** button.

The Advanced timing options dialog box appears.

Advanced timing options	? 🗙
RAMDAC	Horizontal geometry
Pixel clock 135.126 🤤 MHz	Scan rate 80.051 🔶 kHz
Position and size	Active 1280 📚 pixels 9.473 📚 μs
	Front porch 32 🗢 pixels 0.237 🤤 µs
	Sync width 144 🗢 pixels 1.066 📚 µs
🛛 😳 (🛑 🕞 📥 🖊 🔁 🔶 🗎	Back porch 232 📚 pixels 1.717 📚 μs
	Total 1688 📚 pixels 12.492 📚 μs
Synchronization	Vertical geometry Refresh rate 75.095 📚 Hz
Sync on green	Active 1024 🗢 lines 12.792 📚 ms
Interlaced Horizontal Vertical	Front porch 1 🤿 lines 0.012 📚 ms
	Sync width 3 📚 lines 0.037 📚 ms
Custom resolutions	Back porch 38 📚 lines 0.475 📚 ms
Lock scan frequencies Real-time adjustment	Total 1066 🤤 lines 13.317 🤤 ms
PowerStrip	Ok Cancel 🖻 🛍 🤊 Apply

5. Click the **Custom resolutions** button.

The Custom resolutions dialog box appears.

mportant!	1400 🚍	Active pixels	1050
ustom resolutions are only supported by a handful of isolay drivers. Experimentation is required, and restart	ng United		
/indows may be necessary to see if the custom solution is accented by the display diver		D () ,	05.2
	34 🐷	Hefiesh rate	60
	104 😂	Front parch	3
1600k1024p (ACD)	152 😂	Sync width	4
52 1400×1050= (EU)	256 😂	Back porch	48
	Protivo	Polaritu	Positive D
	T DSRIVE	1 Olding	i ositive [
	Composile syn	c	Pixel clock
2 1360k1024p (D-ILA)	Sync on green		179.800
1280x1024p (LCD)	Inteilaced		
	Aspect ratio	3 0.54 0	169 01610
1440x950p72Hz	Bily Ot.	5 0 4 4 0	
Predefined OUser defined	Losk total geor	меру	Pa 6
Remove resolution Add new resolution			n

- 6. Scroll to and select **1400 x 1050p (LCD)**.
- 7. Click the Add new resolution button.
- 8. Click **OK** and close all windows.
- 9. Shut down and then restart your computer.
- 10. Right-click on your desktop and select **Properties**.

The Display Properties dialog box appears.

11. Click the **Settings** tab.

Display Properties	X
Themes Desktop Screen Saver Appearance Settings	_
Display: Default Monitor on NVIDIA GeForce FX 5200	
Screen resolution Less More 1400 by 1050 pixels	
Troubleshoot Advanced]
OK Cancel Apply	

12. Drag the Screen resolution slider until the resolution is set to 1400 by 1050 pixels.

WARNING Selecting incorrect timing parameters may damage some external display devices. To prevent damage to an external monitor, consult your owner's manual about allowable resolution parameters.

NOTES

While these settings are optimal for the 4000i, they may not be supported by other connected display devices.

If your video card and monitor do not support this resolution, **1400 by 1050 pixels** will not appear under **Screen resolution**.

For guest laptop use, please note that some laptops don't support 1400 x 1050 resolution. If this is the case, you should select the closest resolution that your laptop supports.

13. Click **Apply** and **OK**.

14. Press the **Auto** and **Resize** buttons in the projector remote control or the projector control panel. The image on the 4000i screen should be very sharp and clear. If not, please contact SMART Technical Support for assistance.



TIP

If the 4000i image is not as sharp as you expect or remains the wrong size, you may need to adjust the refresh frequency of your computer monitor.

Click Start>Settings>Control Panel>Display>Settings. Click the Advanced button and then adjust the Refresh Frequency.

The refresh frequency range recommended by the *Epson PowerLite* 9300i Multimedia Projector User's Guide is from 60Hz to 85Hz.

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