

## Universal LightProbe<sup>™</sup> S2 Spectra USB Sensors Installation For Windows UNIVERSAL DRIVERS

### **!!! IMPORTANT**

Install the USB Drivers folder BEFORE plugging the Universal LightProbe Spectra USB Sensor into the USB port of your computer. See below. Also note there is no ".exe" file for install.

#### **1. PREPARE FOR INSTALL**

- If you have attempted to install the drivers before, you must first uninstall any existing Optomistic Products' Universal LightProbe Spectra USB Sensor or Silabs drivers. See separate instructions (at end of this Application Note) to be sure the drivers are completely uninstalled.

#### 2. INSTALL THE OPTOMISTIC PRODUCTS USB FLASH DRIVE

- Insert USB Flash Drive into your computer
- Copy the "2023 S2 Spectra USB Sensor" folder containing the drivers to your hard drive
- Plug in the Universal LightProbe S2 Spectra USB Sensor into the USB Port of your computer
- Windows will "recognize" the new device

#### 3. GO TO DEVICE MANAGER:

- Open Windows Device Manager
- Go to Ports and navigate to Optomistic Products Universal LightProbe Sensor
- Right Click on this device to choose "Update Driver"
- Choose "Browse my computer for drivers Locate and install a driver manually"
- Use "Browse" function to navigate to the location of the "2023 S2 Spectra USB Sensor" folder and then the "Microsoft Certified Windows Driver" file on your hard drive
- Select this file and the updated drivers will be installed you will get a message that the most up to date drivers are now installed

## 4. TERA TERM SOFTWARE AND CHANGE TERA TERM BAUD RATE

- Go back to "2023 S2 Spectra USB Sensor" folder
- Open "Tera Term" file
- Double click "Teraterm-4.XX.exe"
- Click "Run" when Security Warning box appears
- Click "Run" when the message "Do you want to allow the following program from a unknown publisher to make changes to this computer" displays
- Click "Next" when setup wizard displays
- Select "I accept the agreement" and click "Next"
- Select "Destination Location" and click "Next"
- UNCLICK ALL BOXES be sure to scroll down to "additional Plug-ins" and unclick all optional boxes
- After you have unclicked all the boxes, then click "Next" and follow "Install Wizard" for the rest of set up
- Click "Finish"

**Continued:** 

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## UNIVERSAL LIGHTPROBE<sup>™</sup> S2 SPECTRA USB SENSORS INSTALLATION FOR WINDOWS UNIVERSAL DRIVERS:

#### 5. TERA TERM BAUD RATE SETUP

- Go to the directory where Tera Term is installed
- Open the file "**TERATERM.INI**" with notepad (Note: in case of errors, save this file somewhere else before making any changes)

Irganize 🔻 🛛 🦳 Open 🔻	Print Burn	Compatibility files	New folder		H 🔹 🗖 📢
🃗 System Registi 🔦	Name	^	Date modified	[BG]	[BG]
TeamViewer	ssh2login.ttl		3/5/2016 12:18 AM		extension (on/off)
🍶 teraterm	😰 teraterm.chm		3/5/2016 12:24 AM		BGENADIe=OTT
🍶 Uninstall Infor	TERATERM.INI		3/22/2016 7:32 PM	; Use AlphaB	; Use AlphaBlend
🍌 Windows Defe	😵 teratermj.chm		3/5/2016 12:24 AM		BGUSeAlphaBlendAPI=
🌙 Windows Mail	ttermpro.exe		3/5/2016 12:25 AM		on
🍌 Windows Med	🚳 ttpcmn.dll		3/5/2016 12:24 AM		; Susie plugin path
Windows NT	🚳 ttpdlg.dll		3/5/2016 12:24 AM	-	BGSPIPath=plugin
🍌 Windows Phot	🚳 ttpfile.dll		3/5/2016 12:24 AM		; Fast window
🍌 Windows Porti	attpmacro.exe		3/5/2016 12:24 AM	. 1	BGFastSizeMove=on
🌗 Windows Sidel	🚳 ttpset.dll		3/5/2016 12:24 AM	=	: Flickerless
🍶 Zero G Registr	🚳 ttptek.dll		3/5/2016 12:24 AM		window moving
🍶 ProgramData	unins000.dat		3/22/2016 7:32 PM	M . If wider	n
iremote-service	😝 unins000.exe		3/22/2016 7:31 PM		. If WideTitle-on
📕 Sage 🔻	٠ I	II.	۱.		and BGNoFrame=on.

- Use CTRL F to search for Baud Rate and change the value from 9600 to 19200



- Save the file and confirm that you wish to replace the existing file

- Run Tera Term to confirm

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#### **5. OPEN TERA TERM**

- Double click on "Tera Term"
- Double click on "New Connection"
- Select "Serial"
- Select the port with "Optomistic Products Universal LightProbe"

Tera Term: New co	onnection				×
⊖ <u>t</u> cp/ip	H <u>o</u> st; m	myhost.example.com			
	TCP port#; 2	3	Protoco <u>l</u> :	UNSPEC	$\sim$
		T <u>e</u> lnet			
● <u>S</u> erial	Po <u>r</u> t: C	OM5: Optor	mistic Products	s Universa	ıl ~
	ОК	Cancel	<u>H</u> elp		

#### 6. IF THE DRIVERS INSTALL SUCCESSFULLY, BUT ARE NOT FOUND BY THE HARDWARE

- Open Device Manager and find the Optomistic Products Universal LightProbe
- Right click on the product name and click Update Driver Software
- Click "Browse my computer for driver software"
- Click "Let me pick from a list ... "
- Search for Optomistic Products Inc in the manufacturers list and select the model
- Click "Next" and follow any prompts

📇 Device Manager	×
<u>File Action View H</u> elp	Update Driver Software - Optomistic Products Universal LightProbe Sensor (COM5)
🗢 🔿   🖬   📓 🗊   💭	How do you want to search for driver software?
<ul> <li>Mice and other pointing devices</li> <li>Monitors</li> <li>Wetwork adapters</li> <li>Optomistic Products Universal LightProbe</li> <li>Print queues</li> <li>Processors</li> <li>Sensors</li> <li>Software devices</li> <li>Software devices</li> <li>Software devices</li> <li>Software devices</li> <li>Software devices</li> <li>Software controllers</li> <li>Storage controllers</li> </ul>	<ul> <li>→ Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.</li> <li>→ Browse my computer for driver software Locate and install driver software manually.</li> </ul>
> To System devices	
	Cancel

## **Continued:**

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# Universal LightProbe<sup>™</sup> Spectra USB Sensors Installation For Windows UNIVERSAL DRIVERS:

		×		×
Update Driver Software - Optomistic Products U	Iniversal LightProbe Sensor (COM5)		~	<ul> <li>Update Driver Software - Optomistic Products Universal LightProbe Sensor (COM5)</li> </ul>
Browse for driver software on your con	nputer			Select the device driver you want to install for this hardware.
Search for driver software in this location:				Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
C:\Users\	✓ Browse			
☑ Include subfolders				Show compatible hardware
				Manufacturer Model Microsoft Gotomistic Products Universal LightProbe Sensor
$\rightarrow$ Let me pick from a list of device dr	ivers on my computer			Quatech Quatech
This list will show installed driver software co software in the same category as the device	mpatible with the device, and all driver			
source in the same category is the ocrice				This driver is digitally signed.
				Tell me why driver signing is important
	<u>N</u> ext Cancel			Next Cancel

## 7. UNINSTALL DRIVERS - WINDOWS 10

This procedure will uninstall Silicon Labs and Optomistic Products Drivers

- Open Control Panel (Windows key + x then push "p")
- Under the Programs heading, click Uninstall a Program. This will open the Programs and Features dialog box
- Look for any Silicon Labs drivers and/or any Optomistic Products Universal LightProbe Sensor drivers
- Generally they will start with "Windows Driver Package-" as shown below

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o	Programs and Features							
÷	- 🔿 🐇 🛧 👩 > Control Pa	nel > Programs > Programs and Features						
	Control Panel Home	Uninstall or change a program						
	View installed updates To uninstall a program, select it from the list and then click Uninstall, Cl							
۰	Turn Windows features on or	e						
	off	Organize 💌						
		Name	Publisher					
		🕖 Synaptics ClickPad Driver	Synaptics Incorporated					
		TakeOwnershipEx	http://winaero.com					
		Erra Term 4.90 Windows Driver Package - Dynastream Innova	Dynastream Innovations Inc					
		Windows Driver Package - Optomistic Produc	Optomistic Products Inc					
		Windows Essentials 2012	Microsoft Corporation					
		👹 Windows Hardware Lab Kit - Windows 10	Microsoft Corporation					

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# **ULP AN 41.8**

# Universal LightProbe<sup>™</sup> S2 Spectra USB Sensors Installation For Windows UNIVERSAL DRIVERS:



- Click on the driver you want to uninstall and then click Uninstall/Change
- Follow the prompts to finish

#### To further uninstall any drivers

- Plug in the Universal LightProbe Spectra USB Sensor
- Open Device Manager (Windows key + x then push "m")
- Find the Universal LightProbe Spectra USB Sensor-it may be under Ports or Other Devices
- Right click, then click Uninstall
- -Remove the Universal LightProbe Spectra USB Sensor from the computer



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