LX5000 Wireless DAS Module and Bluetooth[®] USB Dongle

Setup Instructions





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To be used with Kensington 33348 Bluetooth Dongle

LX5000 Wireless DAS Module and Bluetooth® USB Dongle

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* The name Bluetooth is a registered trademark of the Bluetooth SIG.

** Screen shots may differ from version included on CD.

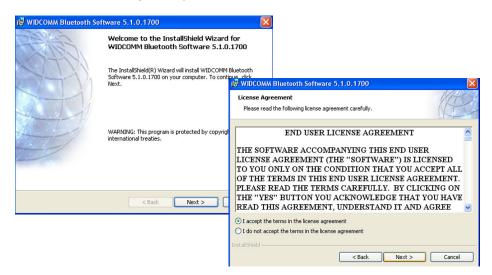
Bluetooth[®] USB Dongle and Serial Port installation instructions

Bluetooth USB Dongle instructions:

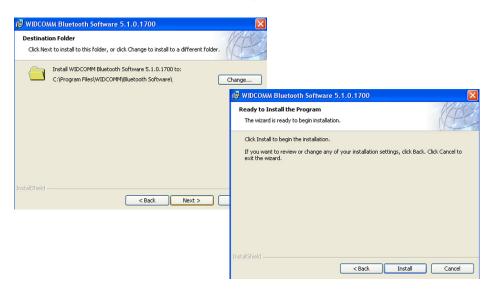
- 1. Do not insert the Bluetooth USB Dongle into the USB port before the Bluetooth software has been installed.
- 2. Insert the Software Installation CD into the CD/DVD-ROM drive. The install instructions may vary from this document according to the windows operating system and USB dongle driver supplied by the manufacturer.
- 3. Click the "Click to Install" button at the prompt. If required, select the proper operating system.



4. A **"Software Installation Wizard"** window appears, click on **"Next"** to begin the process.



- 5. Within the "License Agreement" window, select "I accept the terms in the license agreement"; click on "Next".
- 6. On the "Destination Folder" screen, select the location of the driver & software to be installed; click on "Next".



- 7. At the "Ready to Install the Program" screen, click "Install".
- 8. The "Installation Progress Bar" will keep updating the install process. If a "Driver Signature Notice" appears, click "OK", to continue.

副	WIDCOMM Bluetooth Software 5.1.0.1700	×
I	nstalling WIDCOMM Bluetooth Software	X
	Driver Signature Notice	1
	Currently Microsoft does not have a certification program in place for Bluetooth devices. As a result, at this time it is not possible to provide certified drivers for Bluetooth devices. In the event that Microsoft implements a Windows Logo certification process for Bluetooth devices, signed drivers will be made available. To avoid receiving several prompts for signed drivers during the installation process, select OK to disable unsigned driver warnings, and proceed with the installation. The default warning option will be re-enabled at the completion of the installation of the Bluetooth drivers. This option is an effort to provide the best customer experience while using this product. If you select Cancel, the installation will continue without disabling the warnings and you will be required to select Connitinue at each prompt to proceed with the installation.	
Inst	OK Cancel	
	< Back Next >	

9. The **"Device not found"** screen will appear; please insert Bluetooth USB Dongle into USB port, click **"OK"**, and a new USB device will be found.

🙀 WIDCOM	1M Bluetooth Software 5.1.0.1700 📃 🗖 🔀
	WIDCOMM Bluetooth Software tooth software is being installed.
1 6	Please wait while the InstallShield Wizard installs WIDCOMM Bluetooth Software. This may take several minutes.
	Bluetooth device not found
	No Bluetooth device was detected. Please make sure that your Bluetooth device is plugged in properly and click 'OK' to continue installation. Click 'Cancel' to continue installation without the Bluetooth device.
	OK Cancel
InstallShield –	< Back Next >

10. The taskbar will indicate **"Found New Hardware"**, and files are then copied to their correct location. This will occur several times until all files are copied.



11. Click, "Finish" to complete the driver installation.



- 12. A "My Bluetooth Places" icon will appear on the desktop. The "My Bluetooth Places" program provides a quick and easy way to perform different application services through Bluetooth connection.
- 13. The "My Bluetooth Places" window may appear and try to connect to any available Bluetooth devices. This window can be closed by clicking on the "X" in the upper right hand corner.
- 14. The first time you use "My Bluetooth Places", click the Bluetooth icon on windows system tray and you'll see the "Start using Bluetooth" information.

15. The "Initial Bluetooth Configuration Wizard" appears, click on "Next".



16. The "Device Information" screen appears, find out the name of the computer and select its' type; click on "Next".

General
Device Name and Type: You must select a name for this computer and indicate what type of computer it is.
WIDCOMM Bluetooth Software 5.1.0.1700
Identity Enter a unique name for this computer. This name will be displayed to other Bluetooth devices if this computer is configured to allow itself to be discovered.
Select a computer type from the drop-down menu. This selection determines the icon that represents this computer on remote devices.
Computer name: 133
Computer type: Desktop
< Back Next > Cancel

17. The **"Initial Bluetooth Configuration Wizard"** appears to look for the services, click on **"Next"**.



18. The "Bluetooth Service Selection" screen appears, select your preferable service; click on "Next". All other services remain unchecked. The Bluetooth serial port is the only service used by Lafayette Instrument's products.

To enab	e services that this computer will offer: lea service, place a check in the box next to the service name. lay the properties panel for a service, click Configure.
	PIM Synchronization
	File Transfer
	Network Access
	Dial-up Networking
2	Bluetooth Serial Port Allow remote Bluetooth devices to connect to this computer via a wireless serial port. Configure
	Fax
	Audio Gateway
	Headset

19. The "Initial Bluetooth Configuration Wizard" appears, click on "SKIP".



20. Press "Finish" to complete the configuration.



9

Serial Port Installation Instructions:

The Bluetooth Serial Port Service has one pre-configured Bluetooth Serial Port. One serial port connects with one Bluetooth device,

therefore, to use additional Bluetooth units, additional serial ports must be added. To add a port:

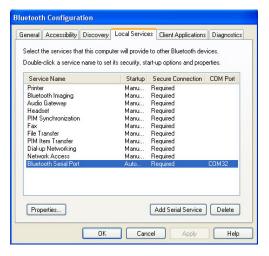
1. Right click on the Bluetooth Icon in the windows taskbar, and Select, "Bluetooth Configuration."

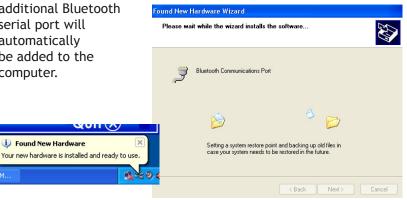
Explore My Bluetooth Place	es
Add a Bluetooth Device	
Bluetooth Configuration	
Quick Connect	•
Stop the Bluetooth Device	

2. Select the "Local Services Tab."

3. Click, "Add Serial Service," and an additional Bluetooth serial port will automatically be added to the computer.

Found New Hardware





- Click on the serial port service that has been added. Click the properties box, make sure both the "Secure Connection," and "Startup Automatically" are enabled. Click "Apply," and then "OK."
- 5. There will be an additional Bluetooth Serial Port within the Bluetooth configuration window.

aeneral Accessibility Discove	ry Local Services Clie	nt Applications	Diagnostics	Select	General N	Notifications		_
Select the services that this cor Double-click a service name to				Doubl Serv Print	~	Bluetooth Serial Port (2	Secure Connection	ort
Service Name	Startup Secur	e Connection	COM Port	Blue	U Jia	nup Automatically	Jecule Connection	
Bluetooth Serial Port [2] Printer Bluetooth Imaging Audio Bateway Headset PIM Synchronization Fax PIM Synchronization Fax PIM Istem Transfer Diatup Networking Network Access Bluetooth Serial Port	Auto Requi Manu Requi Manu Requi Manu Requi Manu Requi Manu Requi Manu Requi Manu Requi Manu Requi Manu Requi	ed ed ed ed ed ed ed ed	COM36	Audi Hea PIM Fax File PIM Dial- Netv Blue	СОМ Р	Port COM36 💌		
Properties	Add	Serial Service	Delete	Pro	N		Cancel Apply	Help

- 6. To add additional Serial Services to the computer, repeat step #3-5 for as many LX5000 Wireless devices are going to be connected to the computer. Make sure each serial port has a unique com port number.
- 7. After all required Bluetooth Serial ports have been added, click on the Client Applications tab within the Bluetooth Configuration window
- 8. Click on the Bluetooth Serial Port application name, and then click

"Add COM port". Click "OK" at the Bluetooth Properties Window and the computer will automatically add the requested COM port to the table.

- 9. Repeat step 8 for as many LX5000 wireless devices are going to be connected to the computer.
- After all COM ports have been added, click "Apply", then "OK" to close the Bluetooth Configuration window.

ieneral	Accessibility	Discovery	Local Services	Client A	pplications	Diagnostics
			ess services on c o set its security			
Appli	cation Name		Secure Con	nection	COM Port	
Bluet	ooth Imaging		Required			
Huma	an Interface De	vice	Not Require	±		
Printe	ar in the second se		Required			
Audic	Gateway		Required			
Head	set		Required			
PIM 9	Synchronization	1	Required			
Fax			Required			
	ransfer		Required			
	tem Transfer		Required			
	p Networking		Required			
	ork Access		Required			
Bluet	ooth Serial Port		Required		COM34	
Prot	perties		Add C	OM port	Delete	COM port
						serial port to t

LX5000 Wireless DAS module installation instructions

- Prior to installing a wireless module, make sure that LX software ver.10.0 or greater is installed on the computer, and the Bluetooth[®] USB Dongle software has also been successfully installed.
- 2. Insert the Bluetooth USB Dongle into its USB port. It is recommended to always insert the Dongle into the same USB port location on the computer. The Bluetooth icon in the taskbar will change colors from Red to White.



 Locate a wireless adapter and place a fully charged battery into the battery compartment with its correct polarity.



4. Slip the wireless adapter over the DAS module until it clicks into place.

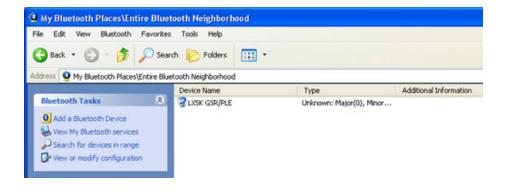


- 5. Turn the adapter on by pressing the power button until the power status LED flashes red then green, and then the LED will turn off. Once the adapter has been turned on, the installation must be completed and the LX software must start acquiring data within five minutes. If five minutes expire before installation is complete, turn the device on again, and proceed.
- 6. Your device is now ready to be paired to the host computer.

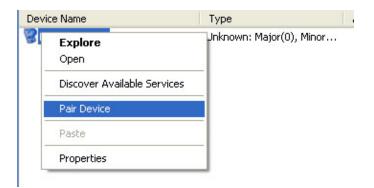
*This is a one time process. Once paired to the host computer, no other computer can be paired simultaneously.

7. Locate the Bluetooth icon in the Windows taskbar.

 Right click on the Bluetooth icon, and click on "Explore My Bluetooth Places". The software will automatically search and display any Bluetooth devices that are with its range. If it does not automatically search, double click on "Find Bluetooth Devices" within the Bluetooth Tasks window.



9. Right click on the device name and then left click on "Pair Device".



10. At the "Bluetooth Security Code Request" window, type in the default security code 0000, then click "OK".

evice Name	Туре		Additional Information
LX5K GSR/PLE	Unknov	vn: Major(0), Minor	
Bluetoot	n Security Code Reque	st	
്പ	Device Name:	LX5K GSR/	PLE
~ 0	Before a connection can be listed above must be "paire		puter and the device
	Paired devices exchange a key is unique for each pair encrypt the data that the de	of devices; it is used to	
	To pair with this device, en	ter the device's securi	ty code and click OK.
	Bluetooth security code:]	
	OK	Cancel	Help

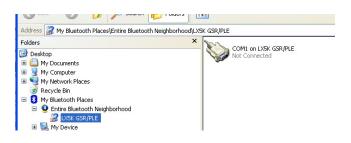
11. The device will become paired to the computer.

Device Name	Туре	Additional Information	
🔐 LX5K GSR/PLE	Unknown: Major(0), Minor	Paired	

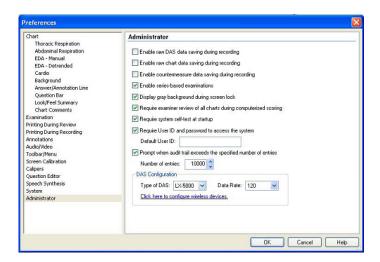
12. Right click on the device name again and select "Open".

Name	Туре	Additional Information
Explore	pwn: Major(0), Minor	Paired
Open		
Connect COM1		
Discover Available	Services	
Unpair Device		
Paste		
Properties		

13. A new window will open, showing the device that is being connected.



- 14. Right click on the **"COM1 on LX5K..."**, and select Connect to Bluetooth Serial Port.
- 15. Click "OK" to accept the connection.
- 16. The device is now securely connected to the computer.
- 17. Minimize the My Bluetooth Places window.
- 18. Launch the LX software, and go to Tools > Preferences.
- 19. Select the LX5000 as the "Type of DAS" in the administrator Preferences window.



20. Select the "Configure Wireless Devices" window.

	Configure	Wireless D	evices	
Enable wire	less support	and search	or wireless	devices.
/ireless Options				
Enable wireless supp	ort? ON	o 💿 Yes		
Search for wireless d	evices.			
Search				Device Manager
Search				
	s devices were	e discovered.		
	s devices were	e discovered. # Sensors	Version	Milliamps
verify that the wireless	s devices were		Version	
verify that the wireless	s devices were		Version	
verify that the wireless	s devices were		Version	
verify that the wireless	s devices were		Version	
verify that the wireless	s devices were		Version	

- 21. Select **Yes** to enable wireless support (wireless config only needs to be done once.
- 22. Select Search to search for the wireless DAS sensors.
- 23. All available sensors that are currently powered on and paired to the computer will appear in the Device box. If they do not appear, verify that the sensors are turned on and have been paired by selecting "Device Manager." Select "Bluetooth Devices" to check.

	figure Wireless		
Enable wireless s	support and search	for wireless	devices.
ireless Options			
nable wireless support?	ON0 ⊙Yes		
earch for wireless devices	а. С		
Search			Device Manage
	an war diamand		Device Manage
Search erify that the wireless devic	ces were discovered.		Device Manage
	ces were discovered. # Sensors	Version	Device Manage Milliamps
erify that the wireless devic		Version 1	
erify that the wireless device	# Sensors		Milliamps
erify that the wireless device	# Sensors		Milliamps
erify that the wireless device	# Sensors		Milliamps
erify that the wireless device	# Sensors		Milliamps
erify that the wireless device	# Sensors		Milliamps

- 24. If the correct module or modules are identified in the "Configure Wireless Devices window," select **Save** to save the changes. Select cancel to discard the changes.
- 25. The LXSoftware will open and tracings will appear on the screen.

Note:

A Devices menu has been added to LXSoftware to perform a restart of all devices, to configure wireless devices, and to check the LX5000 module battery levels. If LXSoftware is open, and previously paired wireless devices are not connected, perform the following steps.

- 1. Insert a charged battery into each wireless adapter.
- 2. Connect a DAS module to each wireless adapter.
- 3. Turn on the wireless module by pressing the power button.
- 4. Click on "Restart all Wireless Devices."
- 5. Tracings shall appear within the LXSoftware.

Note:

To start a wireless system after steps 1-25 have been completed, and the device has been saved within the LXsoftware wireless device window, perform the following steps.

- 1. Insert a charged battery in to each wireless adapter.
- 2. Connect a DAS module to each wireless adapter.
- 3. Turn on the wireless module by pressing the power button.
- 4. Open LXsoftware. Tracings shall appear within the LXSoftware.

Terms and Conditions:

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All orders need to be accompanied by a hard copy of your order. All must include the following information:

- Quantity
- Part Number
- Description
- · Your purchase order number or method of pre-payment
- · Your tax status (include tax-exempt numbers)
- · Shipping address for this order
- · Billing address for the invoice we'll mail when this order is shipped
- · Signature and typed name of person authorized to order these products
- Your telephone number
- Your email address
 Your EAX number
- Y OUF FAX number

Domestic Terms

There is a \$50 minimum order. Open accounts can be extended to most recognized educational institutions, hospitals and government agencies. Net amount due 30 days from the date of shipment unless otherwise specified by us. Enclose payment with the order; charge with VISA, MasterCard, American Express, or pay COD. We must have a hard copy of your purchase order by mail, E-mail or fax. Students, individuals and private companies may call for a credit application.

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There is a \$50 minimum order. Payment must be made in advance by: draft drawn on a major US bank; wire transfers to our account; charge with VISA, MasterCard, American Express, or confirmed irrevocable letter of credit. Proforma invoices will be provided upon request.

Exports

If ordering instrumentation for use outside the USA, please specify the country of ultimate destination, as well as the power requirements (110V/60Hz or 220V/50Hz). Model numbers for 220V/50Hz will have a "*C" suffix.

Quotations

Quotations are supplied upon request. Written quotations will include the price of goods, cost of shipping and handling, if requested, and estimated delivery time frame. Quotations are good for 30 days, unless otherwise noted. Following that time, prices are subject to change and will be re-quoted at your request.

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Orders for custom products, custom assemblies or instruments built to customer specifications will be subject to a cancellation penalty of 100%. Payment for up to 100% of the invoice value of custom products may be required in advance. Cancellation for a standard Lafayette Instrument manufactured product once the product has been shipped will normally be assessed a charge of 25% of the invoice value, plus shipping charges. Resell items, like custom products, will be subject to a cancellation penalty of 100%.

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Please see the cancellation penalty as described above. No item may be returned without prior authorization of Lafayette Instrument Company and a Return Goods Authorization (RGA#) number which must be affixed to the shipping label of the returned goods. The merchandise should be packed well, insured for the full value and returned along with a cover letter explaining the reason for return. Unopened merchandise may be returned prepaid within thirty (30) days after receipt of the item and in the original shipping carton. Collect shipments will not be accepted. Product must be returned in saleable condition, and credit is subject to inspection of the merchandise.

Repairs

Instrumentation may not be returned without first receiving a Return Goods Authorization Number (RGA). When returning instrumentation for service, please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to: Lafayette Instrument Company 3700 Sagamore Parkway North Lafayette, IN 47904, USA.

Shipments cannot be received at the PO Box. The items should be packed well, insured for full value, and returned along with a cover letter explaining the malfunction. Please also state the name of the Lafayette Instrument representative authorizing the return. An estimate of repair will be given prior to completion ONLY if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence for non-warranty repairs.

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Damaged instrumentation should not be returned to Lafayette Instrument prior to a thorough inspection. When a shipment arrives damaged, note damage on delivery service, and they will file an insurance claim. When damage is not detected at the time of delivery, contact the carrier and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service.

Limited Warranty

Lafayette Instrument Company warrants equipment manufactured by the company to be free of defects in material and workmanship for a period of one year from the date of shipment, except as provided hereinafter. The original manufacturer's warranty will be honored by Lafayette Instrument for items not manufactured by Lafayette Instrument Company, i.e. resell items. This assumes normal usage under commonly accepted operating parameters and excludes consumable products.

Warranty period for repairs or used instrumentation purchased from Lafayette Instrument is 90 days. Lafayette Instrument Company agrees either to repair or which, under proper and normal conditions of use, proves to be defective within the warranty period. Warranty for any parts of such repaired or replaced instrumentation shall be covered under the same limited warranty and shall have a warranty period of 90 days from the date of shipment or the remainder of the original warranty period whichever is greater. This warranty and remedy are given expressly and in lieu of all other warranties, expressed or implied, of merchantability or fitness for a particular purpose and constitutes the only warranty made by Lafayette Instrument Company.

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- In the case of instruments not of Lafayette Instrument Company manufacture, the original manufacturer's warranty applies.
- Shipping charges under warranty are covered only in one direction. The customer is responsible for shipping charges to the factory if return of the part is required.
- This warranty does not cover damage to components due to improper installation by the customer.
- Consumable and or expendable items, including but not limited to electrodes, lights, batteries, fuses, O-rings, gaskets, and tubing, are excluded from warranty.
- Failure by the customer to perform normal and reasonable maintenance on instruments will void warranty claims.
- 8. If the original invoice for the instrument is issued to a company which is not the company of the end user, and not an authorized Lafayette Instrument Company distributor, then all requests for warranty must be processed through the company which sold the product to the end user, and not directly to Lafayette Instrument Company.

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LX5000 Wireless DAS module and Bluetooth® USB Dongle

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