

Little Sensors, Big Ideas.®

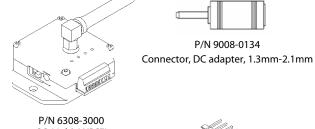
Ouick Start Guide

SG-Link[®]-LXRS[™] Wireless Strain Node

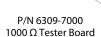


Questions or problems during setup? Go to www.microstrain.com/support or call Technical Support: 1.800.449.3878 or 1.802.862.6629

1 WHAT YOU NEED



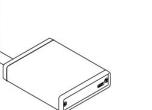
SG-Link®-LXRS™



P/N 6309-6000 OR 350 Ω Tester Board



P/N 9011-0009 Power Supply, 100-240VAC, 9V, SA



P/N 6307-1040 WSDA-BASE-104



P/N 9022-0029 **USB** Cable





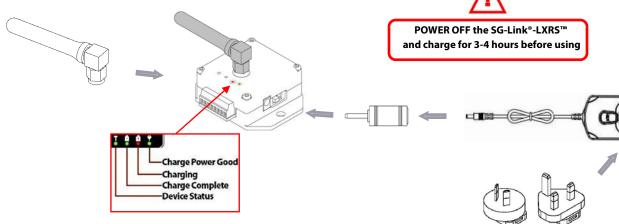
P/N 9011-0022 Power Supply Adapter Kit



P/N 8200-0013 CD, Node Commander Software

23 ASSEMBLE AND CONNECT

NODE ASSEMBLY AND CHARGING



- While charging, both green and red LEDs are lit; if only green LED lit, unplug/re-plug
- When charge complete, red LED turns off and battery charged LED
- Device Status LED flashes rapidly to indicate a successful boot-up. LED 'pulsing' indicates that the SG-Link®-LXRS™ is active and in an







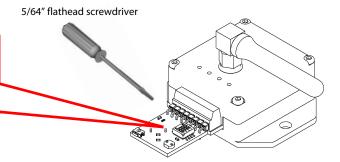


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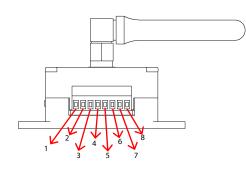
2D ASSEMBLE AND CONNECT TESTER BOARD ASSEMBLY

Set the tester board bridge completion configuration to match the node bridge configuration via the on-board dip switches:

Full: 1,2,3=ON; 4=OFF Half: 3=ON; 1,2,4=OFF Quarter: 4=ON; 1,2,3=OFF

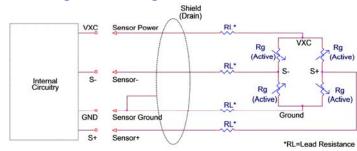


ASSEMBLE AND CONNECT STRAIN GAUGE ASSEMBLY

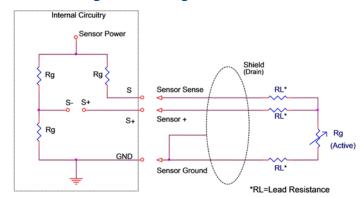


Pin Number	Pin Name	Pin Description
1	VXC	3.0 volt sensor excitation.
2	S+	Positive input to the differential amplifier.
3	S-	Negative input to the differential amplifier.
4	GND	Signal ground (common with pin 7).
5	S	Input for three wire mode on quarter bridge strain gauges. Leave unconnected for full and half bridge strain gauge applications.
6	Ain	Analog 0-3.0 volt input.
7	GND	Input power ground (common with pin 4).
8	V <u>jck</u>	Input power positive (3.1-12 volts DC). This circuit is common with the barrel connector on the enclosure sidewall. This circuit can be used in place of the external power supply.

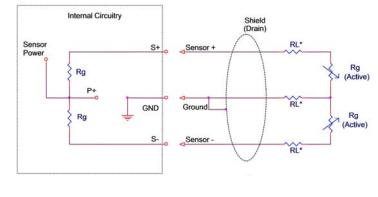
Full Bridge Strain Gauge



Quarter Bridge Strain Gauge

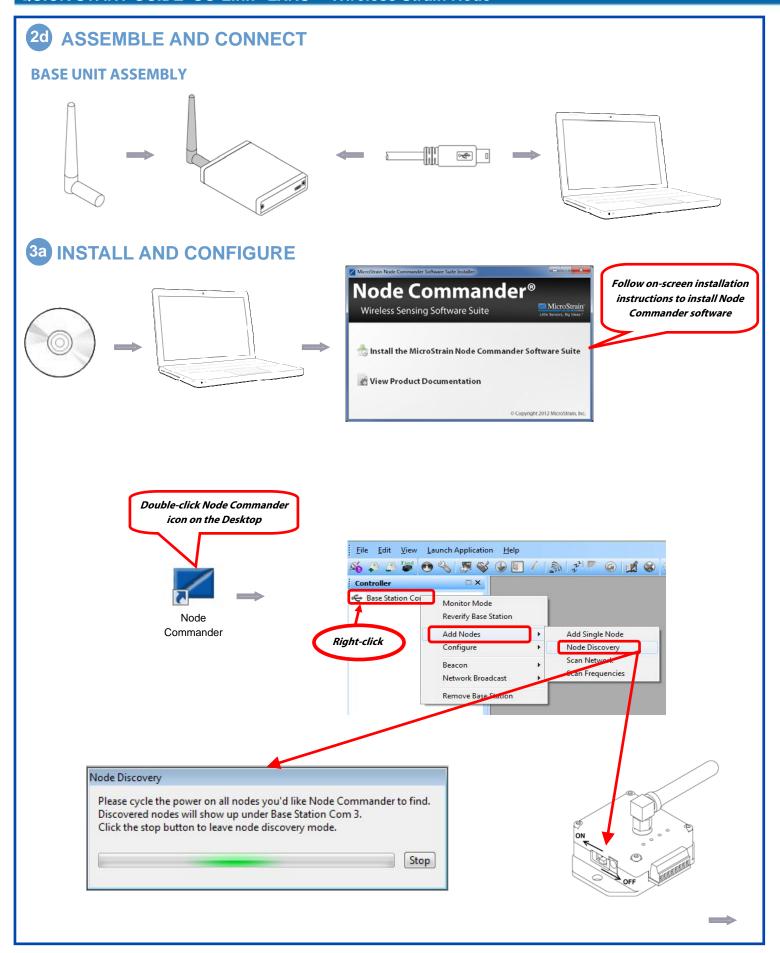


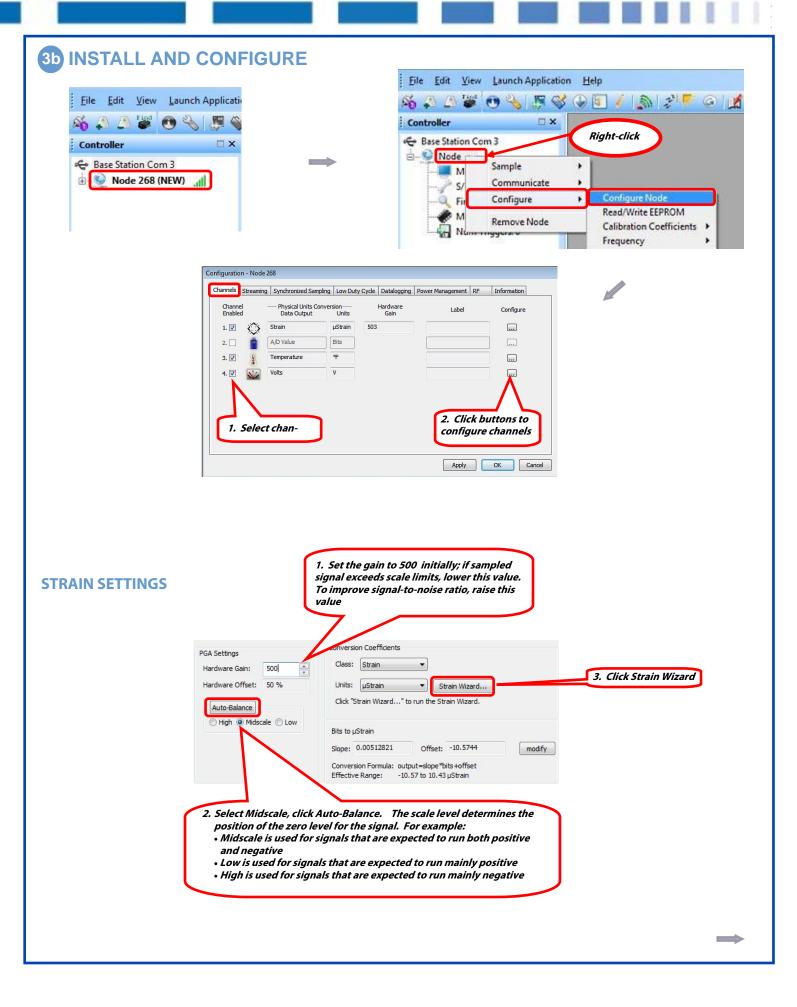
Half Bridge Strain Gauge



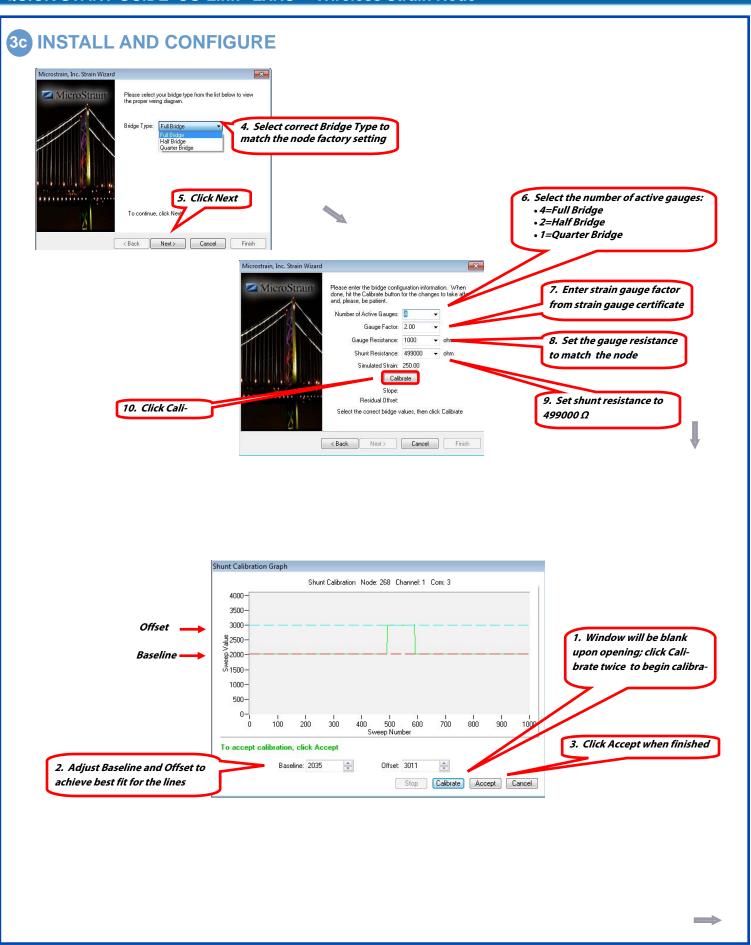
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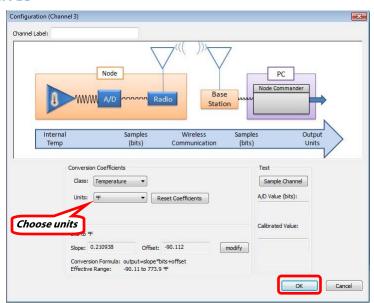


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30 INSTALL AND CONFIGURE

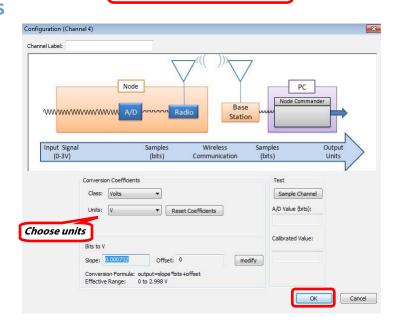
TEMPERATURE SETTINGS





NOTE: Analog input 0-3V maximum (no negative voltage)

VOLTAGE SETTINGS



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