

**RoHS Compliant**



# BL-819/ BL-830

## BLUETOOTH 1xRS232 MALE DTE - CLASS 2

"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"



### Features

- Class 1.1 Qualified Bluetooth device
- Suitable for ANY device with serial port
- Handshaking flow control
- Range - Office: Field: 30m Office: 10mm
- Subject to local environment conditions
- Power on Pin 9
- Integral Antenna
- Upgradeable onboard flash memory for latest Bluetooth Features
- 4 ways to Configure
- Up to 1.0 Megabaud RS232
- 9 Pin Male and Female Options

### Options



BL-819:  
BLUETOOTH 1xRS232  
MALE DTE - CLASS 2

BL-830  
BLUETOOTH 1xRS232  
FEMALE DCE - CLASS 2



### Description

Compact, Award winning Brainboxes RS232 Adaptor (male connector) allows any device with an RS232 port to communicate with another Bluetooth device without the need for any additional software. Ideal for Bluetooth enabling dumb RS232 devices such as dataloggers etc. with option to power from Pin 9. Based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. No visible antenna.

The brainboxes Bluetooth Range

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

### Software

Microsoft signed drivers (easy installation & robust operation) for:

- Configuration Utility (for Windows)
- Remote Configuration Over Bluetooth Link
- Command line Configuration
- Bulletin Board Configuration

As well as: full product documentation, a thorough troubleshooting guide and terminal software. Detailed sample source code for many popular programming languages. Further OS support on next page.



### ORDER











Description	Code
BLUETOOTH 1xRS232 MALE DTE - CLASS 2	BL-819
BLUETOOTH 1xRS232 FEMALE DCE - CLASS 2	BL-830

BL-819/  
BL-830



# BLUETOOTH 1xRS232 MALE DTE - CLASS 2

BL-819/ BL-830: Full Specification

<b>Bluetooth General</b>	Bluetooth Qualification	1.1 Qualified Qualified
<b>Bluetooth Radio</b>	Class Of Device	Class
	Radio Frequency	2.45 GHz
	Integral Antenna	Yes
	Receiver Sensitivity	-83
	Output Power	> 0 dBm < 4 dBm
	Operating Distance (Typical) Metres*	Field: 30m Office: 10m
	<b>Bluetooth Settings</b>	Max Transfer rate (Kb/s)
    	Configurable Local Device Name and Device Class	Yes
	Pairing Options	Enable/Disable/Link key expiry/2 proximity modes
	Client and Server Mode	Yes
	Configurable Discoverability, Security mode and PIN number	Yes
	PICONET & SCATTERNET capable	Yes
	PARK and SNIFF mode	Yes
	Factory Reset	Yes
	<b>Serial Port Settings</b>	Baud Rate (KB/s)
	Data Bits	8
	Parity	Odd, Even, None
	Stop Bits	1 or 2
	Flow Control	
<b>Bluetooth Security</b>	Encryption	'None' , 'Point to Point' or 'Point to Point and Broadcast'
	PIN Authentication	PIN: Select from list or enter custom (16 character limit)
	Security Levels	Low, Medium & High (Security Mode 1,2 & 3)
<b>General</b>	Power Source	External Power Device: 110mA @ 5V Or Power On Pin 9: 5V - 13.6 V
	LEDs	Combined power and Bluetooth link LED
	Power Consumption	Depends on usage
	Weight	0.024 kg, 0.05 pounds
	Size WxDxH (mm)	null
	RS232 Connector	9 pin male
<b>Interface</b>	OS Compatibility	Suitable for any device with Serial Port
	Configuration	Windows Utility software or Remote/terminal Config
<b>Approvals</b>	Other Approvals	AEO C-TPAT WEEE RoHS EMC: CE FCC Compliant Bluetooth Qualified TAA
<b>Product Support</b>	Warranty	3 Years
 	Support	Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team
	<b>Additional</b>	OEM option
 	Made In	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"
	Customisable	Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: sales@brainboxes.com

Other Brainboxes Ranges: PCI Express | Bluetooth Serial Adapter | Ethernet to Serial Adapter | PCMCIA Serial Card | ExpressCard Serial Adapter | USB to Serial

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