

**RoHS Compliant**



**BL-819 / BL-830**

**BLUETOOTH 1xRS232 MALE DTE - CLASS 2**

**"SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS"**



**Features**

- Class feature Value Bluetooth device
- Suitable for ANY device with serial port
- Handshaking RTS/CTS, DTR/DSR
- Range - Office: 10m Field:30m  
Subject to local environment conditions
- Power on Pin 9
- Intergral 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

Class 2 RS232 Bluetooth  
Adaptor: 9 Pin Female  
BL-830



\*Class 1 devices see: BL-521 & BL-730

**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 data loggers etc. with option to power from Pin 9. Based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. Integral 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
Class 2 RS232 Bluetooth Adaptor: 9 Pin Female	BL-830



# BLUETOOTH 1xRS232 MALE DTE - CLASS 2

## BL-819: Full Specification

<b>Bluetooth General</b>	Bluetooth Qualification	1.1 Qualified
<b>Bluetooth Radio</b>	Class Of Device	Class feature Value
	Radio Frequency	10m
	Integral Antenna	Yes
	Receiver Sensitivity	-83
	Output Power	> 0 dBm < +4 dBm
	Operating Distance (Typical) Metres*	Field: 30 Office: 10
<b>Bluetooth Settings</b>	Max Transfer rate (Kb/s)	723
	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)	921,600
	Data Bits	8
	Parity	Odd, Even, None
	Stop Bits	1 or 2
	Flow Control	RTS/CTS, DTR/DSR
<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
	Size WxDxH (mm)	35x75x20
	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	<a href="http://www.fcc.gov/EMC">http://www.fcc.gov/EMC</a> : CEBluetooth Qualified
<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	Available for bulk buy OEM
	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: <a href="mailto:sales@brainboxes.com">sales@brainboxes.com</a>