

**RoHS Compliant**



**BL-819/BL-830**

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

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



#### Features

- Class :Class 2 Bluetooth device
- Suitable for ANY device with serial port
- Handshaking flow control
- Range - Office: 30m Field: 10mm
- 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

BL-830  
BLUETOOTH 1xRS232  
FEMALE DCE - CLASS 2



#### Description

Compact, Award winning Brainboxes RS232 Adaptor BL-819 - male connector or BL-830 female 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.

BLUETOOTH 1xRS232 MALE DTE - CLASS 2

With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

#### Software

- 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

BLUETOOTH 1xRS232 MALE DTE - CLASS 2  
BLUETOOTH 1xRS232 FEMALE DCE - CLASS 2

##### Code

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
	Class Of Device	Class 2
	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)	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
<b>Serial Port Settings</b>	Factory Reset	Yes
	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
	Storage Temperature Range	0 °C to +70 °C / +32 °F to +131 °F
	Weight	0.023 kg
	Size WxDxH (mm)	Each Adapter is 75(l) x 34(w) x 19(h) mm, 2.95(l) x 1.34(w) x 0.75(h) inches
	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	WEEE, RoHS, EMC: CEFCC Compliant, FCC Compliant, Bluetooth Qualified, TAA
 	<b>Product Support</b>	Warranty
	Support	3 Years
 	Additional	OEM option
	Made In	Available for bulk buy OEM
	Customisable	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year" Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: sales@brainboxes.com