



# RS232- Bluetooth Adapter

Part Number: LM-058



## Medical

Wireless medical applications



## Industrial

Flow control monitoring



## Telecoms

Data exchange

## Overview

The LM Technologies LM058 Bluetooth Serial adapter eliminates your conventional RS232 serial cables, providing an invisible connection with superior freedom of movement.

This makes the LM058 one of the worlds most versatile and technically advanced RS232 Bluetooth serial adapters.

This tiny adapter allows any device with a standard 9-pin Serial port to communicate wirelessly. You can communicate with another Bluetooth serial adapter or other Bluetooth devices such as a laptop computer, PDA or mobile phone.

Applications range from Medical, Industrial, Telecoms, Security, Automation, Manufacturing the list is endless.

The LM058 Supports Bluetooth Serial Port Profile and Bluetooth Generic Access Profile and uses the latest EDR V2.0 Chipset.

With a transmission range of upto 100 Meters (329 feet) as standard and with additional accessories such as the LM057 the LM058 can communicate upto 600 Meters



# RS232- Bluetooth Adapter

Part Number: LM-058



## Technical Specification

<b>Product Name</b> .....	RS232 Bluetooth Serial Adapter
<b>Chipset</b> .....	CSR BC4 EDR
<b>Bluetooth Rate</b> .....	3Mbps
<b>Bluetooth Profiles</b> .....	SPP and GAP
<b>Baud Rate</b> .....	4.8/9.6/19.2/38.4/57.6/115.2/230.4/460.8kbps
<b>Transmission Class</b> .....	Class 1 - 100 Meters
<b>Spread Spectrum</b> .....	2.4000 Ghz - 2.4835 Ghz
<b>Modulation Method</b> .....	Modulation GFSK-1 Mbps, DQPSK-2 Mbps, and ..... 8-DPSK-3 mBPS
<b>Transmitter Power</b> .....	18 dBm
<b>Receive Sensitivity</b> .....	-86 dBm
<b>Operating Range</b> .....	100 Meters - Open Space
<b>Operating Temperature</b> .....	20°C to +75°C
<b>Signal</b> .....	TxD, RxD, GND, CTS, and RTSRS-232
<b>Interface</b> .....	D_SUB 9-pin female
<b>Connections</b> .....	Mini USB and Female SMA
<b>Weight</b> .....	57 Grams
<b>Dimensions</b> .....	35 mm (W) x 65 mm (D) x 16mm
<b>Certificates</b> .....	CE, FCC, RoHS and BQB

## Features

- Constant updating of Firmware for global interoperability and compatibility
- Multiple power options, 9th Pin, AC mains PSU and USB power cable
- CSR BC04 EDR 2.0+ Chipset
- Windows configuration software
- PSU and gender changers supplied
- Growing and improving AT command set
- Approved product by some of the worlds leading datalogger manufactures
- 600 Meter range when supplied with the LM057 600 Meter antenna
- Firmware upgradeable

## Contact



LM Technologies Ltd  
 Radclyffe House  
 66-68 Hagley Road  
 Birmingham  
 B16 8PF, UK.

Tel : 0870 066 2740  
 Fax: 0871 431 0192