



# Bluetooth Cable Replacement

Part Number: LM048



## Overview

Data transfer made easy with the Worlds Smallest RS232 Bluetooth Adapter. Cable replacement or just the need for data transfer wirelessly this unit is ideal.

The firmware inside our unit has the capabilites to be versatile fullfilling the industries various requierments The top switch will turn the unit from DTE to DCE.

The LED lights inidacate wether data is being transfered, Bluetooth connection and power on. The DB9 connector has a NUT on one side and a screw fix on the other. The side mini USB port can be used to power the unit from USB to USB or Mains to mini USB.

The strong housing is able to with stand knocks and has been drop tested from over 10 meters.

LM pride it self on service and can have our units pre configured at assemble to your specific requierments if requested.

Standard range is upto 100mtrs as a Class 1 bluetooth chip comes as standard.

The unit has FCC, CE and RTTE approval



# Specifications LM048



## Specification

- Baud Rate
- Coverage
- Connection
- Signal
- RS232 Interface
- Standard
- Frequency
- Hopping
- Modulation
- Tx. Power
- Rx. Sensitivity
- Antenna
- Power Supply
- Current Consumption
- Operation Temperature
- Dimensions
- Power Supply
- Plastic housing
- Leds
- Profiles
- Certifications
- Comands
- Slide Switch

## Description

Supports 4.8 / 9.6 / 19.2 / 38.4 / 57.6 / 115.2 / 230.4 / 460.8 kbps  
 Up to 100m  
 Point-to-point (pico net)  
 TxD, RxD, GND, CTS, and RTS  
 D-SUB 9-pin female  
 Bluetooth specification version 2.0 + EDR  
 2.400 to 2.4835 GHz  
 1,600/sec, 1 MHz channel space  
 GFSK-1 Mbps, DQPSK-2 Mbps and 8-DPSK-3 Mbps  
 Max. 18dBm (Class 1)  
 -86 dBm typical  
 Built in antenna  
 +5 to +9 VDC  
 Max. 90 mA  
 -20 °C to +75 °C  
 47x34x19  
 Pin 9 on the D-SUB  
 Light grey  
 Power, Link, Data  
 SPP, GAP  
 FCC, CE and Bluetooth according to SIG  
 AT  
 DTE/DCE

## Factory Settings

- Baud rate:
- Data bit:
- Parity:
- Stop bit:
- Flow control:

## Description

19200 bps 8  
 None 1  
 HW or none

## Status

- Power LED (red) off
- Power LED (red) on
- Link LED (blue) off
- Link LED (blue) very fast (0.1 sec) blinking
- Link LED (blue) fast (0.3 sec) blinking
- Link LED (blue) slow (0.9 sec) blinking
- Link LED (blue) very slow (1.2 sec) blinking
- Link LED (blue) steadily on
- Data LED (Green)

## Description

No power supply  
 Firmware is running OK  
 No pairing established  
 Pairing (slave or master mode)  
 Discoverable and waiting for a connection (slave mode)  
 Inquiring (master mode)  
 Connecting (master mode)  
 Connection established  
 Blinking when transmitting