



Class1 Bluetooth® to RS232 Dongle



ARF62 dongles are wireless Bluetooth® Class1 network adaptors usable **for full duplex data transfer between Bluetooth® equipments over 150m.**

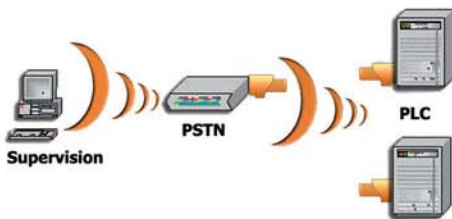
They use the international 2.45 GHz frequency band as described by European Directive RTTE EN 300-220 / EN 301-489 and FCC P15 / IC (USA/CAN). These dongles integrate the **Bluetooth® V2 stack** and are **Bluetooth® certified.**

They enable fast file transfer (723 kbps) without any wires or dedicated software. Configuration can be carried out using **AT commands** through a serial port. They can be used in **command mode or transparent mode.** They take advantage of an extremely **compact design with a built-in antenna.** Depending on the version, they are available as ; DCE / DB9 female, DTE / DB9 male or DTE / DB15HD male.

These dongles are THE solution for wirelessly linking all devices designed to be connected to a laptop or desktop PC, through an RS232 DB9 or DB15 serial port. They are able to replace cables to build any connection between an PSTN / GPRS modem and a PDA or between a PC and any Bluetooth® device.

Specifications

• Bluetooth V2 stack	Baseband, Link manager, L2CAP, RFCOMM, SDP
• Bit rate	723kbps
• Comm and Data profiles	GAP, SDAP, SPP, DUN, SPP config.
• UART TTL ports	TXD - RXD - RTS - CTS (& DTR - DSR - DCD - RI / Profil DUN)
• UART rate	Standard from 9.6 to 115,2kbps
• Additional applications	Link setup and configuration - through AT commands
• Using mode	Transparent serial link in addressed secured
• Frequency	FHSS / 2.402 to 2.480GHz
• Radiated RF power	100mW (20dBm)
• Sensitivity	To -87dBm for BER = 10-3
• Range in free field	150m (integrated antenna)
• Operating voltage	3.8 to 20V
• Stand-by unconnected consumption	22mA
• Connected consumption	25mA
• Transmission consumption	60mA
• Burst transmission consumption	380mA
• Power supply connector / DB9	3.5 mm DC µJack (or / Pin 9 « RI » on request)
• Power supply connector / DB15	Pin 13 « RI » (or / 3.5 mm DC µJack on request)
• Temperature range	-30°C / +70°C
• Size	65 x 40 x 25mm
• Fully compliant with RTTE EN 300-328 / EN 301-489 (Europe) & FCC P15 / IC (US & CAN)	



Part Numbers

ARF7501B : Bluetooth® to RS232 Dongle, DCE / DB9F, + power supply
 ARF7502B : Bluetooth® to RS232 Dongle, DTE / DB9M, + power supply
 ARF7503C : Bluetooth® to RS232 Dongle, DTE / DB15M, selfpowered
 ARF7509A : Cable replacement pack, 1 DCE / DB9F + 1 DTE / DB9M

10, 25, 50, 100 units Bulk packs available upon request

Your distributor