



## Class1 Bluetooth® to RS232 Dongle



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

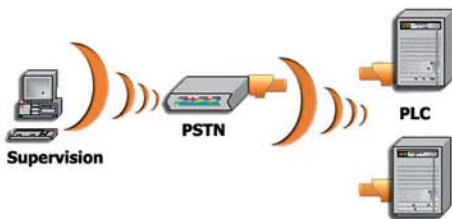
They use the international 2.45 GHz frequency band as described by European Directive RTTE EN 300-220 / EN 301-489 and FCC P15 / IC (USA/CAN). These dongles integrate the **Bluetooth® V2 stack** and are **Bluetooth® certified.**

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