



Actual Size



## FIREFLY Serial RS232 to Bluetooth

The FIREFLY is an economical Serial-to-Bluetooth wireless cable replacer that can quickly and easily be added to many devices with a RS232 serial port, providing a wireless connection to another Bluetooth or FIREFLY adapter. All Grid Connect Bluetooth devices are CLASS 1 which means they have a distance range of 330 feet (100 meters).

Providing quality  
Network products  
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to our customers.

- Chips
- Modules
- Software
- Products

The FIREFLY is simple to use and plugs directly into your male (DTE) or female (DCE) port of your computer/device and connects using wireless Bluetooth technology to another FIREFLY, BluePort, BluePlug, or other Bluetooth compatible device.

Bluetooth is designed to be a point to point network where the two Bluetooth devices are paired together and no other devices can be connected. Bluetooth uses the license free 2.4 GHz band, channel hopping, and encryption, so your data communications are reliable and safe.

The FIREFLY and the other Bluetooth products from Grid Connect are best used in applications that could be hard-wired but do to cost or physical constraints, wireless makes more sense. The simple RS232 cable replacement is a good example of many of the FIREFLY uses.

The FIREFLY comes in a male pin (DTE) and female (DCE) version. DIP switches control the Baud Rate, Auto Master, and Auto Discover. Other baud rates are supported. No software or drivers required to use the FIREFLY.

## FIREFLY

Serial to BLUETOOTH Adapter

### Features / Specifications

- Small Transparent case  
L 2.3"x W 0.8"x H 0.5".
- +5V external power supply  
(included), 4-11VDC 50mA max.
- Can be powered using PIN 9
- Can be powered using USB cable
- 7/8 Data bits, 1/2 Stop bits, parity  
even, odd, none
- Flow control CTS/RTS or none
- DIP switch baud rates 9600/115K  
others - 1200, 2400, 4800, 9600,  
19.2k, 38.4k, 57.6k, 115.2k, 230k
- Automatic Pairing with another  
FireFly Bluetooth device
- LEDs - Yellow is TX/RX, Green is  
Bluetooth link made
- Internal jumpers to switch PINs  
TX/RX and RTS/CTS
- No DTR/DSR required
- Built-in ceramic 2.4Ghz antenna
- Up to 330 feet (100 meters)  
between device (CLASS 1)
- AT Commands for easy setup  
through serial port (use Windows  
HyperTerminal or similar)
- Bluetooth Specification 2.0 (with  
high EDR data rate!), compatible  
with 1.1 and 1.2
- Serial Port Profile (SPP)
- FHSS (Frequency Hopping Spread  
Spectrum)
- Operating temperature range -40 to  
70C
- Weight 0.6 oz.

### Bluetooth Serial FireFly to FireFly Wireless Communications

#### FireFly to FireFly Serial RS232 Wire Replacement



### Bluetooth USB BluePlug to Serial FireFly Wireless

#### BluePlug to FireFLY USB to Serial RS232 Cable Replacement



Order On-Line at [www.ipenabled.com](http://www.ipenabled.com)

#### Part Numbers:

GC-BT-BLUEPORT	(one FIREFLY unit)
GC-BT-BLUEPORT-PAIR	(two FIREFLY units)
GC-BT-BLUEPORTPLUG-PAIR	(one FIREFLY, one USB)

FIREFLY units are ordered as male (DTE) or female (DCE)

Power Supply Options: Wall (default), USB cable, None (pin 9)