



Model CB-SPA33C-01
RS-232/422/485 – Bluetooth Adapter
Long Range External Antenna

Bluetooth Enable any Serial Device

Model CB-SPA33C-01 allows you to replace the serial cable with wireless Bluetooth technology. Robust design makes it perfect for industrial applications. Bluetooth is license free.

Use the Serial Port Adapter and connect it to the RS-232/422/485 port of your device and you have a wireless connection to your device. Now you can connect your PC, laptop, PDA or any other serial device wirelessly to your device up to more than 100 meter distance. The Serial Port Adapter supports baud rates from 300 bps up to 920 kbps.

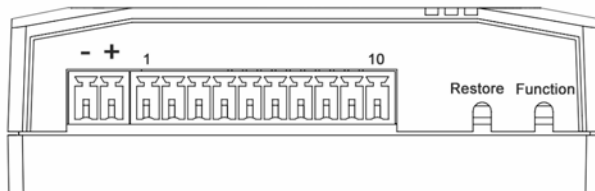
Serial and other settings are configured using PC Configuration Wizard and will be stored in non volatile memory. AT commands may also be used to configure and control the Serial Port Adapter from the connected device.

Once in operation the Serial Port Adapter works transparently and simply replaces RS-232/422/485 cables. No software has to be installed in the device. The CB-SPA33C-01 can be used as master in a multidrop network using a maximum of 7 slaves.

The document *Serial Port Adapter Application Scenarios* will show a number of different use cases for the product.

Interface – RS-232

Connector:	Terminal Block, 3.5 mm pitch header
Signals:	RS-232
	Pin 1 – GND (Ground)
	Pin 2 – TD (Transmit Data, out)
	Pin 3 – RD (Receive Data, in)
	Pin 4 – Not used
	Pin 5 – DSR (Data Set Ready, in)
	Pin 6 – CTS (Clear To Send, in)
	Pin 7 – RTS (Request To Send, out)
	Pin 8 – DTR (Data Terminal Ready, out)
	Pin 9 – Not used
Data Bits:	5, 6, 7 or 8
Parity:	None, Odd or Even
Stop Bits:	1 or 2
Data Rates:	300 bps – 920 kbps



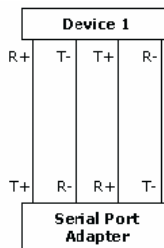
B&B electronics
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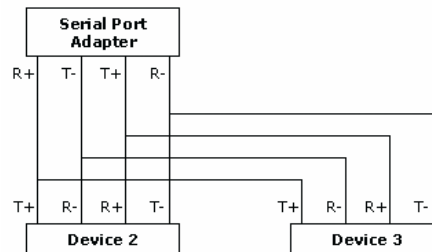
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Interface – RS-422 & RS-485

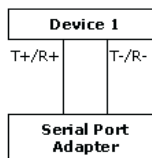
Connector: Terminal Block, 3.5 mm pitch header
 Signals: Pin 1 – GND (Ground)
 Pin 3 – T- (Transmit Data, out)
 Pin 4 – R- (Receive Data, in)
 Pin 5 – R+ (Receive Data, in)
 Pin 6 – T+ (Transmit Data, out)



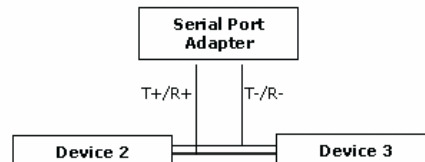
RS-422 point-to-point



RS-422 point-to-multipoint



RS-485 point-to-point



RS-485 point-to-multipoint

Please Note:

For RS-485 (2 wire) T+ and R+ and has to be connected externally.
 T- and R- has to be connected externally.

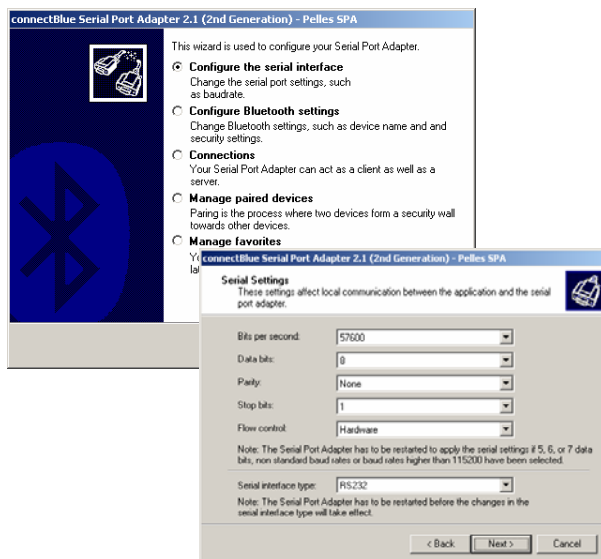
Power & Environment

Power Requirements: 8-30 VDC (power supply not included)
 Operating Temperature: -20 to + 75 C°
 Storage Temperature: -40 to + 85 C°
 Humidity: RH 5-90% noncondensing
 Shock and Vibration: IEC 61131-2
 Approvals: CE, FCC
 Dimensions: 2.5 x 3.1 x 1.0 in (63 x 80 x 26 mm)

Configuration

The Serial Port Adapter can be configured in different ways. Included with the product is the PC Configuration Wizard used to configure Serial Settings, Bluetooth Settings, Connection Handling, etc.

Serial Settings: Baud Rate
 Number of Data Bits
 Parity
 Number of Stop Bits
 Bluetooth Settings: Device Name
 Security Setting
 Operation Mode
 Bluetooth Connections: Point-to-Point / Multidrop
 Server Operation Mode
 Client Operation Mode
 Server Device Selection
 Connect Scheme Selection



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Deliverables

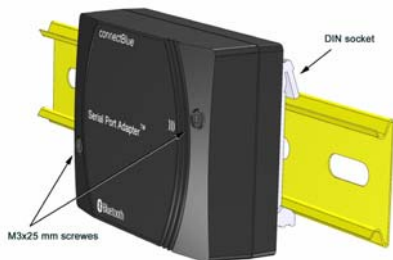
- CB-SPA33C-01 Unit
- Stub Antenna
- CD – Configuration Wizard & Documentation
- Release Notes

Additional Accessories Available

CB-ACC-17 Antenna on a Cable



CB-ACC-22 Din Rail Mounting Kit



Ordering Information

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