



The Professional, High-Speed Bluetooth® USB Adapter is the first Bluetooth USB adapter designed specifically to deliver the high data rates of modern technology.

The high reliability design ensures your wireless applications work just as well in the diverse 'real world' deployment locations as in the controlled environment of your engineering lab. Laird Technologies' USB adapter gives you all of the advantages to make the most of any environment and offers the best possible performance to cope with the worst possible environments.

Power is a key performance indicator. Laird Technologies' professional range of products contain a highly optimized radio that works at an extended range using 10% of the power consumption of other Bluetooth solutions. This unprecedented power control ensures that your mobile products will work longer.

The USB adapter contains a fully compliant Bluetooth HCI interface enabling it to run with any approved Bluetooth protocol stack. With Microsoft Windows XP SP2, Vista and Windows CE it is truly plug and play.

#### KEY FEATURES

- Best in class range, providing open field connectivity in excess of 300 metres
- Adaptive Frequency hopping to cope with interference from other wireless products
- A full industrial operating temperature range of -40°C to +85°C
- Automatic high speed performance using the Enhanced Data Rate of Bluetooth Version 2.0+EDR specification with data rate up to 3Mbps
- Supports extended SCO to provide the highest quality voice communications
- Optimised receive sensitivity to provide long range initial connections that largely eliminate connection hysteresis
- Low power
- Lead free
- 2 year warranty

#### SECURITY

When designing applications, security is paramount. To simplify this, our professional USB adapter supports all the security features from the Bluetooth standard.

- Full support of Authentication and Encryption
- 128 bit authentication keys
- 128 bit encryption keys
- SAFER+ encryption algorithm

**global solutions: local support™**

USA: +1.800.492.2320

Europe: +44.1628.858.940

Asia: +852.2268.6567

wirelessinfo@lairdtech.com

[www.lairdtech.com/wireless](http://www.lairdtech.com/wireless)

# BRBLU03-010AC

## High Speed Bluetooth® USB Adapter

FEATURE	IMPLEMENTATION
Bluetooth®	Class 1
Frequency	2.402 – 2.480GHz
Max Transmit Power	+6dBm
Min Transmit Power	-27dBm
Low Power Sniff	2.5mA typical
Receive Sensitivity	Better than -84 dB
Range	300 m (free space)
Current Consumption	Idle mode = 13mA Connected as master = 20mA
Physical Size	64.0 x 20.0 x 10.6mm, 11g
Bluetooth Qualified	Bluetooth 2.0
Lead Free	RoHS compliant
Temperature Range	-40°C to +85°
Data Transfer Rate	2.1Mbps



### ENVIRONMENTAL TESTS

IEC 60068-2-1:1990	IEC 60068-2-56:1988	SAE 1455:REVAug94	Paragraph 4.10.4 (shock)
IEC 60068-2-2:1974	IEC 60068-2-30:1980	Paragraph 4.9.4.2 (random)	
IEC 60068-2-14:1984	IEC 60068-2-29:1987	SAE 1455:REVAug94	

The details contained within the document are subject to change. Download the product specification from [www.lairdtech.com/wireless](http://www.lairdtech.com/wireless) for the most current specification.



### LWS-SPEC-BRBLU03 0209

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request. For further information please visit our website at [www.lairdtech.com](http://www.lairdtech.com). Alternatively contact: [wirelessinfo@lairdtech.com](mailto:wirelessinfo@lairdtech.com). Bluetooth® is a trademark owned by Bluetooth SIG, Inc., USA and licensed to Laird Technologies.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.