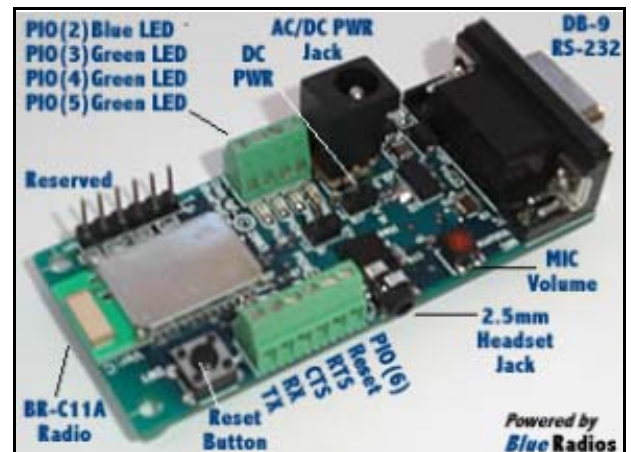


Bluetooth® Evaluation Board**BR-EC30A Class1, 2, and 3 Bluetooth® ver1.2****OUTLINE**

- **AT HOME. AT WORK. ON THE ROAD. USING BLUETOOTH WIRELESS TECHNOLOGY MEANS TOTAL FREEDOM FROM THE CONSTRAINTS AND CLUTTER OF WIRES IN YOUR LIFE.**
- Wireless data and voice communications board conforming to *Bluetooth®* v1.2
- Audio CODEC, head jack, head phones, MIC volume control.
- Conforms to FCC, CE, and the EMI standards of each country.
- Conforms to ISM 2.4GHz band *Bluetooth®*.
- RS-232 (DB-9), and 0-3.3Vdc logic levels
- Includes integrated software stack, profiles, and AT modem like commands.
- Embedded *Bluetooth* Stack Profiles Included (requires no host MCU stack):
SPP, DUN, LAN, GAP SDP, RFCOMM, and L2CAP protocols.
- Evaluation Board Accommodates both Class1 and Class2 (BR-EC29A) radio modules

**FEATURES**

- The *BlueRadios* serial radio modems can be configured, commanded, and controlled through simple ASCII strings over the *Bluetooth* RF link or directly through the hardware serial UART.
- Dedicated PCM voice audio channel
- UART baud rate data speeds: 1200bps up to 921.6Kbps, and customized
- +100 meter (330 feet) distance
- Software adjustable transmitter power from short to long range applications
- Includes AC/DC power supply
- 13 bit linear mono CODEC
- Programmable Input Output (PIO's)
- Reset push button
- LED status: Power, *Bluetooth* Connection, Slave status, etc.
- 2.5mm audio jack
- Low power consumption (120mA TX, 40mA RX, 2mA idle mode, and 90uA deep sleep) radio only
- RS-232 and 3.3Vdc TTL inputs
- Self-discovery and network equipped multi-points
- Operating temperature range: -40~+70°C.
- Secure and robust communication link
 - ✓ FHSS (Frequency Hopping Spread Spectrum)
 - ✓ Encryption, and 16 alphanumeric Personal Identification Number (PIN)
 - ✓ Error correction schemes for guaranteed packet delivery