



Wireless Audio Development System

CSR: The World Leader in Bluetooth

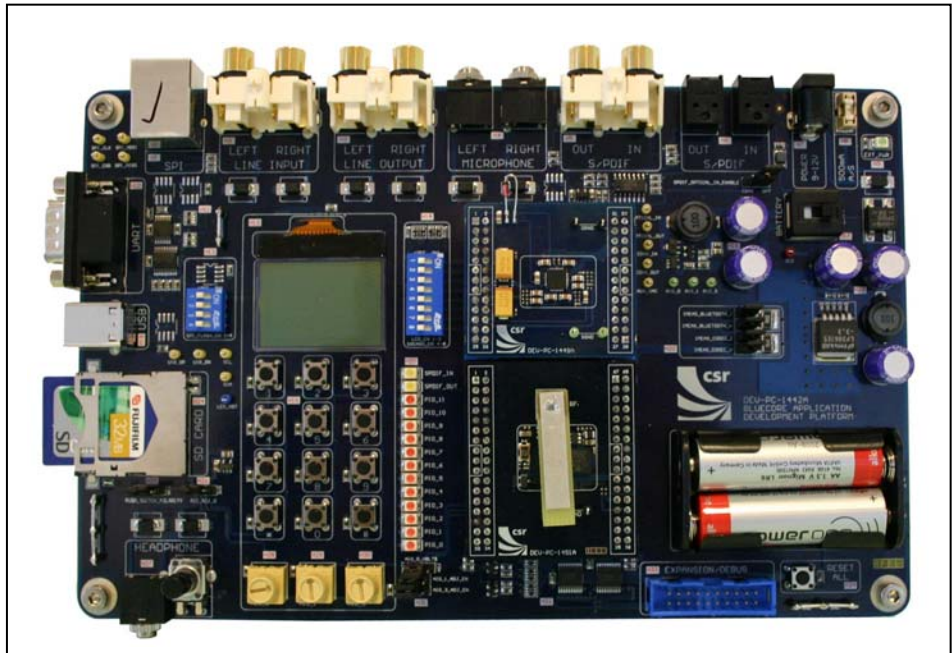
CSR's BlueCore solutions are used in 85% of all Bluetooth audio products. CSR has been consistently first to market with all new versions of the standard:

- 1st to market with single chip CMOS radio
- 1st to market with BT 1.1 compliant radio
- 1st to market with BT 1.2 compliant radio
- 1st to market with BT 2.0 compliant radio
- 1st to market with EDR
- 1st to market with a DSP based audio solution

Who should buy this Product?

This product is ideal for engineers working on:

- Bluetooth adaptors for MP3 Players.
- Mono/Stereo headsets with SD card readers, caller line ID and other advanced features.
- Other advanced wireless audio projects



Advanced audio development system featuring:

- BlueCore3-Multimedia module with single chip Bluetooth radio, baseband and user programmable microcontroller
- SD card reader, powered by BlueCore3-Multimedia
- LCD: fonts rendered by BlueCore3-Multimedia
- Internal stereo codec and optional external codec
- Differential and single ended audio in/out
- CVC echo/noise suppression for outstanding voice quality, even in noisy environments
- eSCO for improved voice link reliability
- Low power: dissipates less than 95mW when streaming audio (even less with EDR enabled)
- Dissipates less than 65mW when on a call (even less with EDR enabled)
- Support for MP3 to improve range and reduce current consumption in the music player
- Support for Enhanced data rate (EDR) to improve range and reduce current consumption in stereo headsets
- Bluetooth Headset and Hands-free profiles for interoperability with all Bluetooth phones

BlueLab: the world most popular Bluetooth SDK

BlueLab is a fully integrated development environment for engineers writing software to run on CSR chips. It includes source code for many Bluetooth profiles, including HSP, HFP, SPP, OBEX, A2DP (source and sink) and AVRCP. It also includes many compete example applications including mono and stereo headsets.

BlueLab enables a protected user mode that allows customer software to run without interfering with the Bluetooth stack. As a result, engineers do not need to take any special precautions when designing adding new features, making the development process much simpler. There is no need to retest and requalify the Bluetooth stack software, greatly reducing time to market.

Examples of some typical BlueLab projects:

- Stereo headset with an LCD for caller ID and song title information
- Analogue Line In adaptor with a MP3 player control interface

In an increasingly competitive market, the ability to add advanced features is an excellent way of achieving product differentiation. Together BlueLab and the advanced audio development system give engineers the freedom to add new features fast, even if they are not Bluetooth experts.

Take the next step: purchase the audio development system and start designing the next generation of wireless audio products!

Audio Solution	Features	Price	Part Number
Wireless Audio Development System	<ul style="list-style-type: none">• A wireless audio development PCB based on BC3-MM Ext, with Wolfson codec, LCD, primary (AA) battery sub-system and SD card reader.• Access to software, reference designs and other useful material in the of www.csrsupport.com• Cables, documents, tools and everything else you need to start developing advanced wireless products	\$1000	DEV-SYS-1521-1A
BlueLab	<ul style="list-style-type: none">• An integrated development environment for CSR chips• Library source code implementing many Bluetooth profiles, including all Bluetooth audio profiles• Example source code for a full Bluetooth mono/stereo headset with echo/noise suppression, music and call handling.• Access to future upgrades and releases	\$3000	BLUELAB

For CSR contact information see <http://www.csr.com/contacts.htm>



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