

BlueConsole



Application Note: Sending an RS232 <BREAK> with BlueConsole

Introduction

A logic <BREAK> is an RS232 transition from a MARK (1) to a SPACE (0) for 150ms or greater. <BREAK> is used by some serial devices to interrupt the normal operation or serve some other special purpose such as password recovery. Unlike Telnet and serial port UARTs, Bluetooth does not have a native mechanism for an RS232 BREAK. BlueConsole accomplishes RS232 <BREAK> transmission using the special character sequence \\

Procedure

Initial Setup (BREAK is 'On' by default if ordered after October 1, 2006)

- Ensure your BlueConsole adapter is on Firmware release 3.7 or greater. You can use the Config Utility to check this, and download newer firmware if required from www.blueconsole.com
- Run the Config Utility version 1.2 or higher. Configure the RS232 <BREAK> Support to "On", and "Write Blueconsole Settings" to save the change.

Sending a <BREAK>

- Attach a 9V Battery to BlueConsole so it does not lose power when you reset your RS232 device.
- Connect to Blueconsole over Bluetooth via your favorite terminal program.
- When ready, rapidly type \\ on your terminal program to transmit the RS232 <BREAK> signal. (Note: The \\ sequence must be preceded and followed by 1 second of silence to function.)