# BlueConsole

## Upgrading Flash Firmware

## Introduction

The flash firmware on BlueConsole is upgradeable. However, you should not upgrade unless it is really necessary to add a feature or solve a problem.

## Procedure

1. Check your current firmware version using the Config Utility. See the BlueConsole User's Manual for details. Your firmware may already be up to date.
2. Obtain a DB9 female DTE shell to perform this upgrade. This will plug into the COM port of the Windows PC system that you are performing the upgrade on.
3. It is recommended you use a generic Serial Port on a PC that uses the SERIAL.SYS Windows driver (to view Driver – Right-click MyComputer, Properties, Hardware, Device Manager, Ports, COMx, Right-click Properties, Driver, Details). The use of USB, PCMCIA, or other special serial adapters will not work well with the Flash Upgrade tool. A PC motherboard DB9 COM port will work the best.
4. Execute the file "BlueberryFlashLoader1.5.exe"
5. Do NOT change any parameters on the screen. Leave all baud rates at 115200.
6. If the correct Serial port on your PC is not COM1, select the appropriate COM port from the list.
7. Make sure BlueConsole is unplugged from the Serial port DB9 and that a 9V battery is NOT connected to it.
8. Click the "Start Download" button on the Blueberry Loader software. The message "Reset Bluetooth Board…" will be displayed.
9. Connect BlueConsole to the DB9 connector and PC serial port (without a 9V battery).
10. Connect a 9V battery to BlueConsole. The battery connection should be made quickly and snugly. This will power up BlueConsole and the download will start immediately. A poor battery connection could interrupt the upgrade and you will need to start over.
11. Observe the results of the download and ensure there are no error messages.
12. If the download process fails, disconnect BlueConsole and 9V battery and attempt the procedure again. You may also want to try the upgrade on a different PC as some serial ports have shown to be problematic for flash upgrades.
13. You will need to Re-Pair your Bluetooth devices to BlueConsole after the upgrade is complete.
14. Also note that some firmware upgrades may change the baud rate to 57600. If you have trouble communicating with BlueConsole using the Config Utility, try 57600 as the baud rate.