



## USB Demo App

# 1. Introduction

The USB Demo App is a 32 bit Windows application that gives you the ability to send commands via USB to Melody 6 (or 5.8RC4 onwards).

This application note describes the main functionality of the tool and how to use it.



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## USB Demo App

## 2. Installation

The tool has some prerequisites that need to be available on the Windows machine to operate properly. After unpacking the tool to the desired location, you will end up to the following set of files:

- redist (folder)
- USBDemoApp.exe (application)
- bc\_hid.dll

If this is the first time running the tool on Windows, installing the prerequisites is required for the application to work properly. The prerequisites are available in the redist folder, opening the redist folder, the following file can be found:

- vc\_redist\_x86.exe

Run the executables to install the required dependencies on the windows machine.

Once this step is finished, you can start the demo application by running USBDemoApp.exe.

## 3. Using the demo application

Run USBDemoApp. You should see a welcome message. Type 'c' and press Enter to connect, you will receive a confirmation (USB connected). Then you can write your command and press Enter to send it.

Here is an example with the "Status" command:

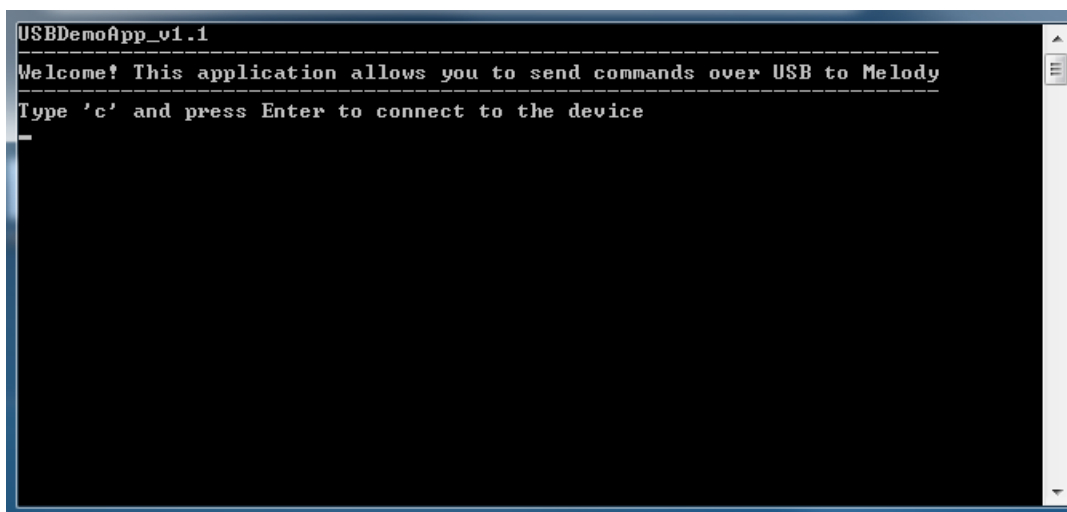


Figure 1 - USB Demo App



## USB Demo App

If you cannot connect to your device or if no device can be found make sure that the USB cable is plugged.

To be able to send commands via USB, the parameter USB\_HOST must be set to ON. By default it is OFF and commands are sent over UART. If USB\_HOST=OFF use the Set, Write and Reset commands:

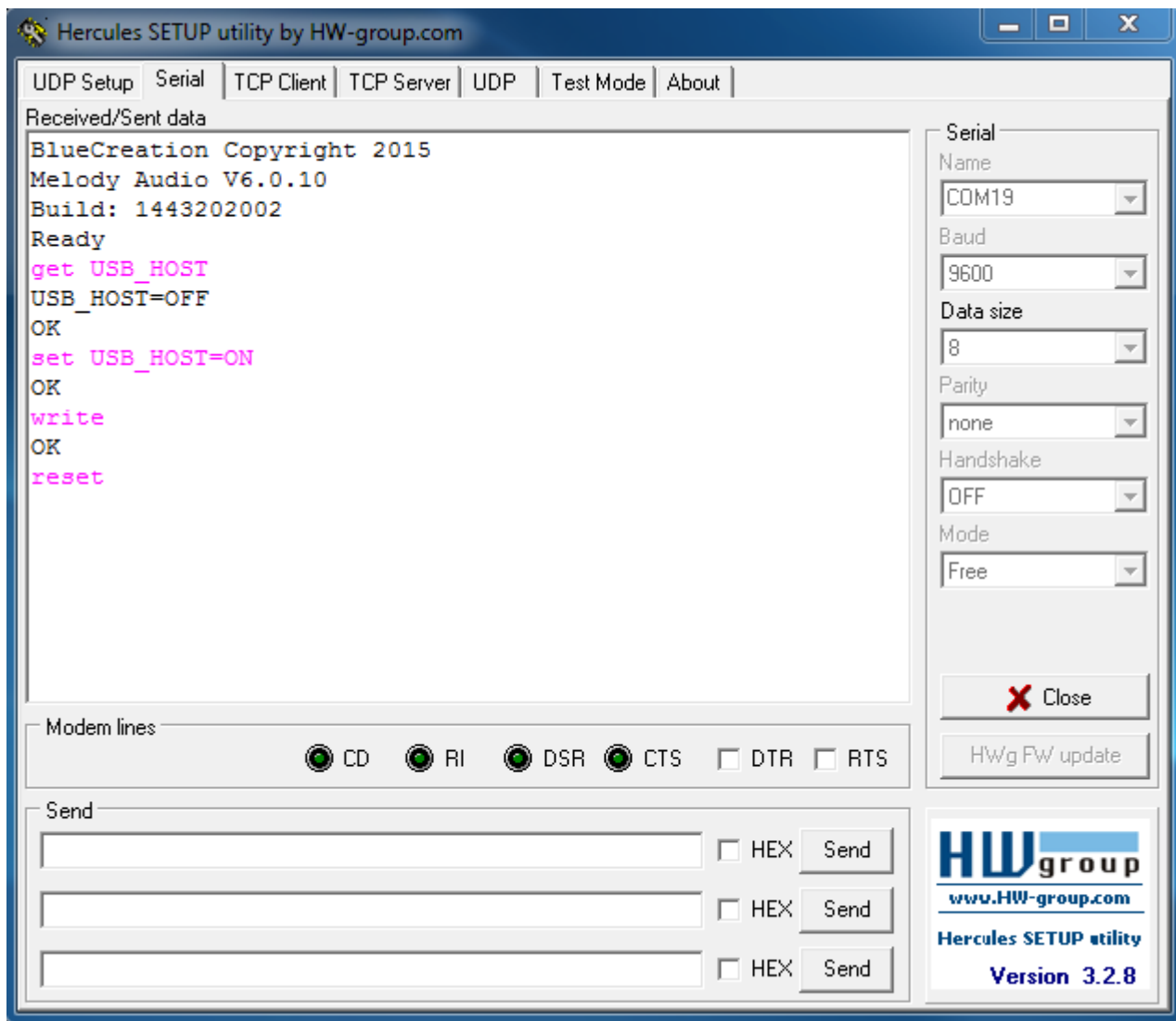


Figure 2 - Commands to set USB\_HOST to OFF (over UART)

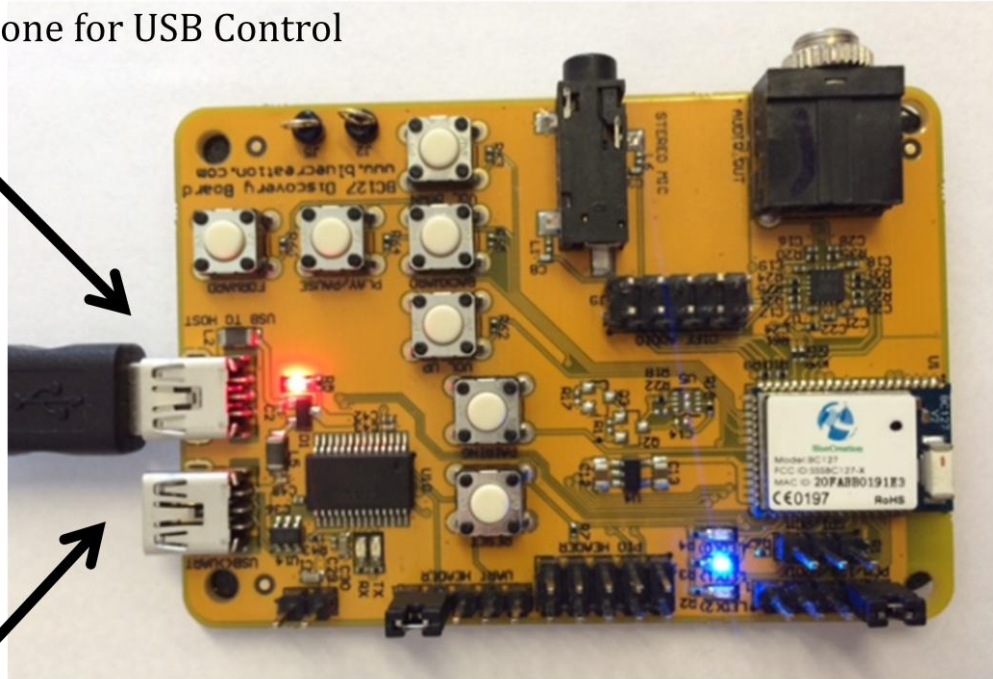
Please note that you won't be able to send command over UART until you set USB\_HOST back to OFF.

For the USB application to work, you also need to connect your PC to the USB port on the Discovery Kit. Please refer to the diagram on the following page.



## USB Demo App

Connect this one for USB Control



Connect this one for classic UART over USB control