



# Configuring IAP rev 2.0

## Application Note



**SIERRA**  
WIRELESS®

41110796  
Rev 1

## Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the Sierra Wireless modem are used in a normal manner with a well-constructed network, the Sierra Wireless modem should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Sierra Wireless modem, or for failure of the Sierra Wireless modem to transmit or receive such data.

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Do not operate the Sierra Wireless modem in areas where blasting is in progress, where explosive atmospheres may be present, near medical equipment, near life support equipment, or any equipment which may be susceptible to any form of radio interference. In such areas, the Sierra Wireless modem **MUST BE POWERED OFF**. The Sierra Wireless modem can transmit signals that could interfere with this equipment.

Do not operate the Sierra Wireless modem in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, the Sierra Wireless modem **MUST BE POWERED OFF**. When operating, the Sierra Wireless modem can transmit signals that could interfere with various onboard systems.

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*Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. Sierra Wireless modems may be used at this time.*

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The driver or operator of any vehicle should not operate the Sierra Wireless modem while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some states and provinces, operating such communications devices while in control of a vehicle is an offence.

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## Revision History

Revision number	Release date	Changes
1	March 22, 2017	Initial revision in SWI template.

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# 1: Configuring IAP

Before IAP functionality can be used on Melody, IAP needs to be enabled and configured. This is done in the following sequence:

## Enable IAP

```
>SET ENABLE_IAP=ON
```

On the BC127 Development Kit you also need to make sure that the Co-Pro EN jumper is open and the Co-Pro RST jumper is closed (please refer to picture below) This enables the Apple MFI Co-processor on the BC127 DevKit. If you are using custom hardware, please contact Support for instructions.

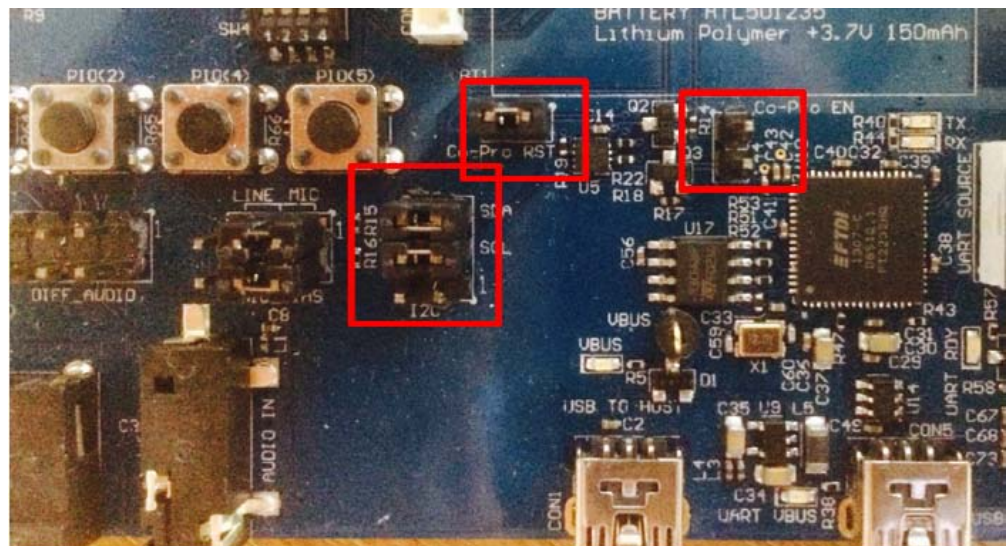


Figure 1-1: BC127 DevKit Jumper Settings

## Configure IAP

*Note: The configurations below are ones used by BlueCreation for testing with the Melody application on the app store. For production please use your own.*

```
>IAP ACCESSORY_NAME=MELODY
>IAP MANUFACTURER_NAME=BLUE CREATION
>IAP MODEL_NAME=MELODY AUDIO
>IAP SERIAL_NO=V5.2
>IAP SEED_ID=1234567890
>IAP PROTOCOL_STRING=com.blue-creation.Melody
>IAP HARDWARE_VER=1 2 3
>IAP FIRMWARE_VER=3 2 1
>SET DEVICE_ID=0101 0202 0303 0404 0505 0606 0707 0808
```

**Store Settings and Reboot**

>WRITE

>RESET

IAP is now enabled and configured and Apple iOS devices will be able to connect to Melody using the IAP protocol.