

## DEFAULT DVK-BL600 DIP SWITCH AND JUMPER SETTINGS

Application Note

v1.2

### INTRODUCTION

The goal of this document includes the following:

- Identify the default out-of-the-box settings for the DVK-BL600 board.

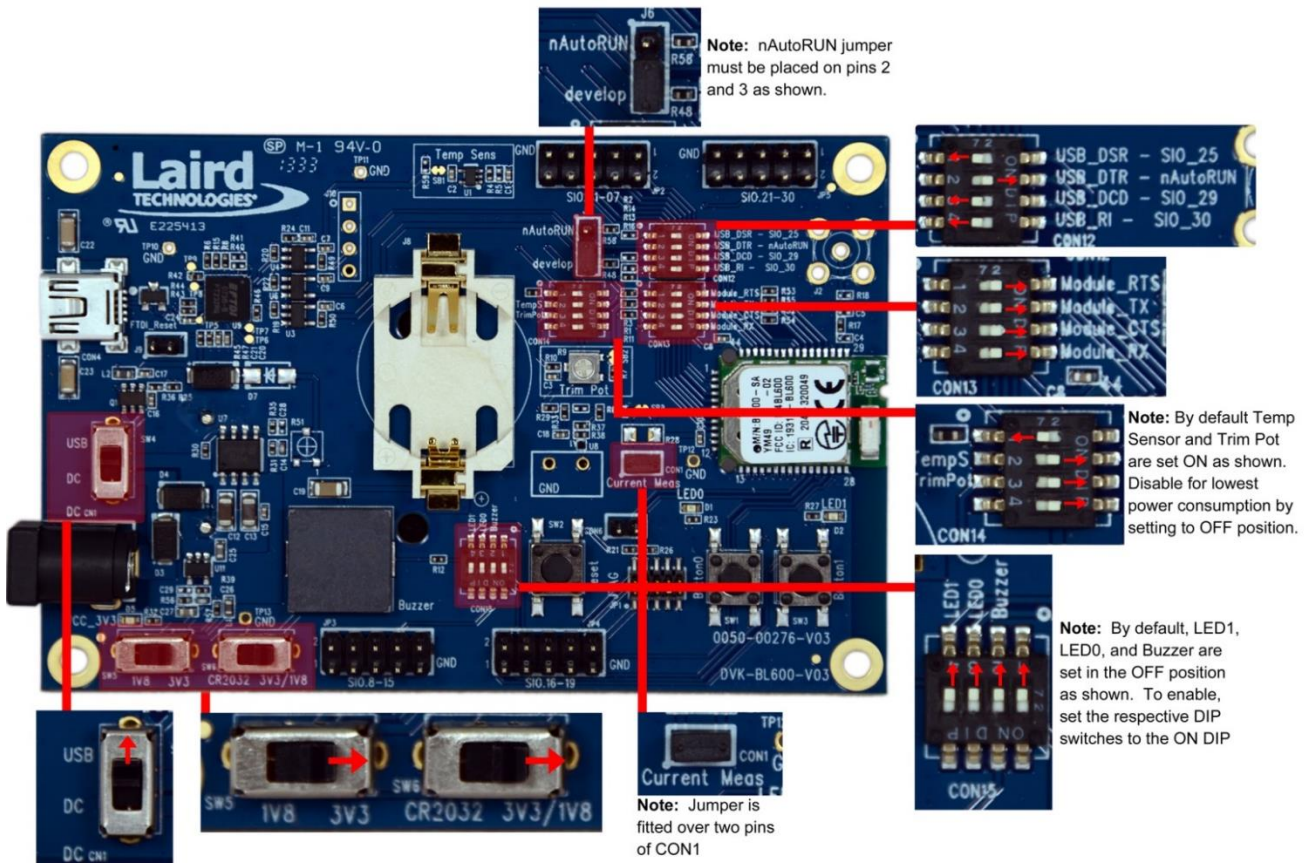
### OVERVIEW

The Laird BL600 Development Kit board leaves the factory with a default 'out of the box' settings configuration. This application note illustrates how to check for, or return, the board to its factory default configuration.

### BOARD BREAKDOWN

The following graphic illustrates the board in the expected state, with each configuration broken out for visibility. The connectors are explained in the following subsections.

- nAutorun Jumper
- CON12
- CON13
- CON14
- CON15
- CON1
- SW4
- SW5
- SW6



### nAutorun Jumper

The jumper must be placed over pins 2 and 3 of the nAutorun header, as shown. This allows the board to boot into Interactive / Development mode.

### CON12

The CON12 switches should be configured as listed in [Table 1](#).

*Table 1: CON12 Settings*

Switch Number	Function	Position
1	USB_DRS – SIO_25	OFF
2	USB_DTR – nAutoRUN	ON
3	USB_DVD – SIO_29	OFF
4	USB_RI – SIO_30	OFF

### CON13

The CON13 switches should be configured as listed in [Table 2](#).

*Table 2: CON13 Settings*

Switch Number	Function	Position
1	Module_RTS	ON
2	Module_TX	ON
3	Module_CTS	ON
4	Module_RX	ON

### CON14

The CON14 switches should be configured as listed in [Table 3](#).

*Table 3: CON14 Settings*

Switch Number	Function	Position
1		OFF
2	Temperature Sensor	ON
3	Trim Pot	ON
4		ON

### CON15

The CON15 switches should be configured as listed in [Table 4](#).

*Table 4: CON15 Settings*

Switch Number	Function	Position
1		OFF
2	Buzzer	OFF
3	LED0	OFF
4	LED1	OFF

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**Note:** By default, LED1, LED0, and buzzer are set in the off position. To enable, set the respective DIP switches to the ON DIP position.

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## Default BL600 DVK DIP Switch and Jumper Settings

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### CON1

The CON1 header (Current Measurement) should have a jumper placed over its two pins to allow normal operation.

### SW4

SW4 should be set to USB to enable the board to be powered by USB instead of DC / AAA battery power.

### SW5

SW5 should be set to the 3V3 setting to enable regulated 3.3V.

### SW6

SW6 should be set to 3V3 / 1V8, which selects 3.3V or 1.8V instead of the CR2032 coin cell power source.

## ADDITIONAL DOCUMENTATION

Laird offers a variety of documentation and ancillary information to support our customers through the initial evaluation process and ultimately into mass production.

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**Note:** Some documentation requires access to the BT Firmware Download Center. [Click here to request access.](#)

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The documentation and software downloads are available from the Embedded Wireless Solutions Support Center: [https://laird-ews-support.desk.com/?b\\_id=1945#docs](https://laird-ews-support.desk.com/?b_id=1945#docs)

- BL600 – *smart*BASIC User Guide
- BL600 – *smart*BASIC sample applications library (Requires access to BT Firmware Center)
- BL600 Firmware Upgrade Application Note
- DVK-BL600 – User Guide
- DVK-BL600 - Schematics (Requires access to BT Firmware Center)
- DVK-BL600 –Heart Rate and Thermometer Quick Start Guide
- DVK-BL600 –Proximity Quick Start Guide
- DVK-BL600 – Virtual Serial Port Service Quick Start Guide
- BL600 –Hardware Integration Guide

Product information can also be accessed from the BL600 product page on the Laird website:

<http://www.lairdtech.com/products/bl600-series>

For any additional questions or queries, or to receive local technical support for this Development Kit or for the BL600 module series, please contact [wireless.support@lairdtech.com](mailto:wireless.support@lairdtech.com) or visit our support portal at <https://ews-support.lairdtech.com>.

### REVISION HISTORY

Revision	Date	Description	Approved By
1.0	25 Feb 2014	Initial Release	Jonathan Kaye
1.1	15 Dec 2014	Edits to main image	Jonathan Kaye
1.2	08 Jan 2015	Updated <i>Additional Documentation</i> links to new website	Sue White