Getting Started with the BL654 Dongle

Quick Start Guide

1 INTRODUCTION

This guide demonstrates how to install a Laird BL654 USB dongle (part # 451-00003) onto a Windows computer and how to communicate with it.

2 REQUIREMENTS

The following equipment and utilities are required:
- Laird BL654 USB BLE USB adapter, Part # 451-00003
- FTDI USB-to-Serial drivers for the BL654 USB dongle (found at http://www.ftdichip.com/FTDrivers.htm)
- UwTerminalX, provided by Laird at https://github.com/LairdCP/UwTerminalX

3 INSTALLATION

To install the BL654 dongle, follow these steps:

1. Connect the BL654 USB dongle (Figure 1) to a spare USB port on your computer or to a USB hub that can provide at least 100 milliamps of power.

   ![Figure 1: Laird BL654-US](image)

   Note: If there is enough power for the device, a blue light may remain illuminated.

2. Follow the on-screen prompts. Depending on your version of Windows, you may need to install the FTDI drivers.

   When complete, the BL654 USB dongle appears in the Windows device manager as a USB serial port (Figure 2). Make a note of the COM port number to use in step 6.
3. Extract UwTerminalX to a selected folder and run the program (no installation is required).

4. From the Config tab in the Device drop-down menu, select BL65x to populate the baud, parity, stop bits, data bits, and handshaking settings (Figure 3).

![Device Manager](image)

Figure 2: BL654 USB dongle as shown in Device Manager

5. If BL65x is not a selectable device, set the following:
   - Baudrate: 115200
   - Parity: None
   - Stop Bits: 1
   - Data Bits: 8
   - Handshaking: CTS/RTS

6. In the Port dropdown, select the COM port associated with your BL654 USB dongle.

7. At the top of the screen, click OK.

8. Open UwTerminalX and type `at i 2` and press Enter to confirm you can communicate with the dongle on the correct COM port (Figure 4).

![UwTerminalX configuration](image)

Figure 3: UwTerminalX configuration
4 FURTHER INFORMATION

Further information relating to the BL654 USB dongle is available from the Laird BL654 product page:
https://connectivity.lairdtech.com/wireless-modules/bluetooth-modules/bluetooth-5-modules/bl654-series

5 REVISION HISTORY

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<tr>
<td>1.0</td>
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