

Getting Started with the BL654 Dongle

Quick Start Guide

v1.0

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

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.

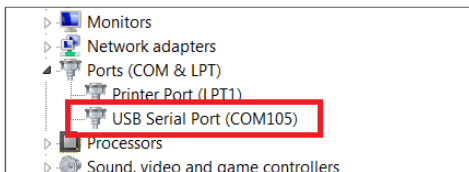


Figure 2: BL654 USB dongle as shown in Device Manager

2. Extract UwTerminalX to a selected folder and run the program (no installation is required).
3. 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](#)).

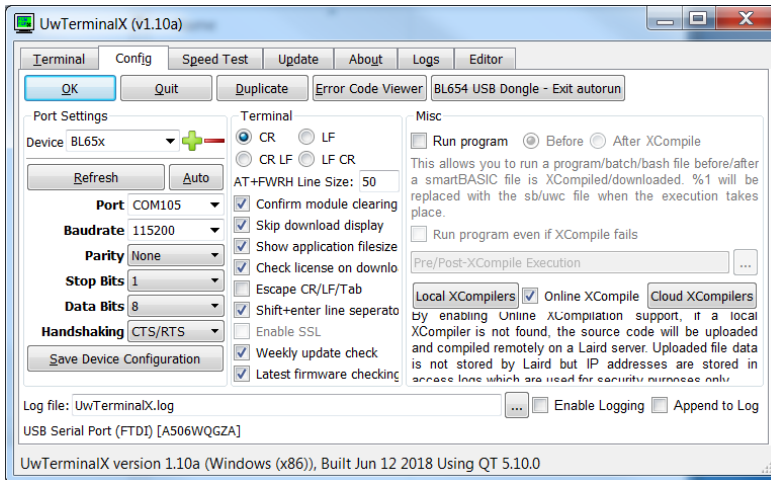


Figure 3: UwTerminalX configuration

4. If BL65x is not a selectable device, set the following:
 - Baudrate: 115200
 - Parity: None
 - Stop Bits: 1
 - Data Bits: 8
 - Handshaking: CTS/RTS
5. In the Port dropdown, select the COM port associated with your BL654 USB dongle.
6. At the top of the screen, click **OK**.
7. 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).

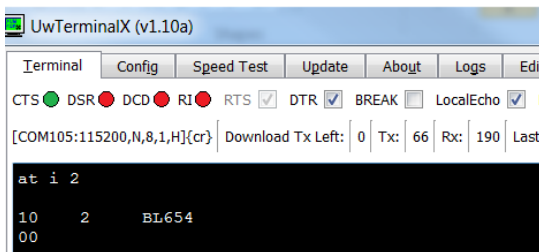


Figure 4: Checking communication with the BL654 USB dongle

4 FURTHER INFORMATION

Further information relating to the BL654 USB dongle is available from the Laird BL654 product page: <https://www.lairdtech.com/products/bl654-ble-thread-nfc-modules>

5 REVISION HISTORY

Version	Date	Notes	Contributor(s)	Approver
1.0	13 June 2018	Initial Release	Mahendra Tailor	Jonathan Kaye