# Using the Laird 'BooTpatch' for Configuration

*Software Integration Guide* *v 1.0*

## Introduction

The Laird BT830 Software Integration Guide provides an overview of the BooTpatch driver software installation to operate the Laird BT830 module on a Windows CE or Windows Mobile device. This document specifies the required software files and installation directories and provides a brief description of each file and its functionality.

The Laird BT830 module uses a .psr file to configure the onboard radio during initialization. The .psr file may be to configure the radio to meet certain criteria of the OEM's hardware. That information is documented inside the .psr and won't be described in this file.

This distribution package is available from the software downloads tab of the BT830 product page: http://www.lairdtech.com/products/bt830.

> **Note:** To download the distribution package, you must be registered. Refer to the link above for information on registration, if necessary.

## BT830 Software Files

The following files are required to successfully operate the BT830 module on a Windows CE or Windows Mobile

### lrdbtc.dll

| Description | Laird Bluetooth BooTpatch driver |
|---|---|
| File Location | \Windows directory of the Windows CE\Windows Mobile device |

### sdc_bt.dll

| Description | Laird Bluetooth service |
|---|---|
| File Location | \Windows directory of the Windows CE\Windows Mobile device |

### lrdbtc.reg

| Description | Driver configuration file. Should not be modified. |
|---|---|
| File Location | System registry |

### sdc_bt.reg

| Description | Service configuration file. Should not be modified. |
|---|---|
| File Location | System registry |

### bt830.reg

| Description | Driver configuration file. |
|---|---|
| File Location | System registry |

**Embedded Wireless Solutions Support Center:**
http://ews-support.lairdtech.com
www.lairdtech.com/bluetooth

1

Americas: +1-800-492-2320
Europe: +44-1628-858-940
Hong Kong: +852 2923 0610

| Keys | BTEnable | 0 | To not patch the radio |
|------|----------|---|------------------------|
| | | 1 | To patch the radio |
| | BTStack | 0 | To enable Laird stack<br>**Note:** The Laird stack may not have been shipped with your device. |
| | | 1 | To enable the Microsoft stack |
| | | 2 | To enable a custom stack<br>**Note:** This frees up the COM port after patching. |
| | dbgLevel | 0 | Disables the debug output |
| | RadioType | 64 | Do not touch |
| | COMPort | | Used to determine the COM port that the radio is using |
| | DefaultBaud | | Do not touch; keep as the default |

## lrdbtcfg.psr

| Description | • PSkey file that allows the device manufacture to modify values that are used during the boot process of the device.<br>• Configurable items consist of Bluetooth address, baud rate, PCM, and so on.<br>• Each item must be specified on a new line.<br>• Items that begin with **&** are configurable keys.<br>• Ignore items that begin with **//**. |
|-------------|----|
| File Location | \Windows directory of the Windows CE\Windows Mobile device |

For any additional question or queries or to receive local technical support for the DVK-BT830 or BT830 module, please visit our Support site https://laird-ews-support.desk.com/

# REVISION HISTORY

| Revision | Date | Description | Approved By |
|----------|------|-------------|-------------|
| 1.0 | 22 July 2014 | Initial Release | Jonathan Kaye |
| | | | |
| | | | |

**Embedded Wireless Solutions Support Center:**
**http://ews-support.lairdtech.com**
www.lairdtech.com/bluetooth
2
Americas: +1-800-492-2320
Europe: +44-1628-858-940
Hong Kong: +852 2923 0610