Programmer Tool
Instruction Manual

Setup Instructions

1) Connect programmers to computer USB

2) Launch **CCIProgrammer.exe**

    1) Programmer status boxes will appear at the bottom of the applet.

Figure 1.1 - 2 Programmers Connected w/o Boards

    2) If not refer to troubleshooting below.

3) Locate correct **hex** file to upload by clicking **File > Locate Hex.** This file will be uploaded during programming.

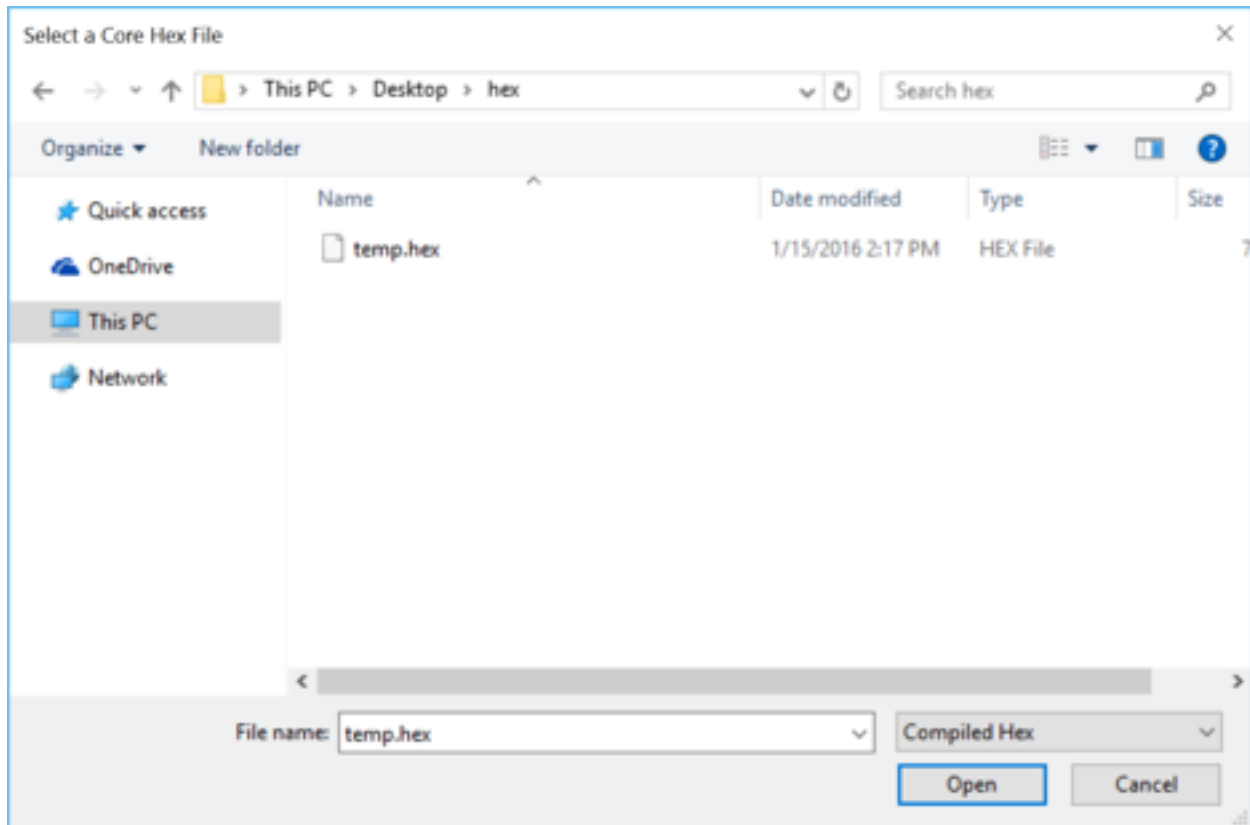4) Navigate to desired **hex** file and click **Open**. This path will be saved.

Select a Core Hex File   ✕

← → ˅ ↑ ▢ › This PC › Desktop › hex   ˅ ⟳   Search hex   🔎

Organize ▾   New folder   ▤▾   ▢   ❓

Name	Date modified	Type	Size
⭐ Quick access			
☁ OneDrive			
🖥 This PC	📄 temp.hex	1/15/2016 2:17 PM HEX File	7
🌐 Network			

File name: temp.hex   ˅   Compiled Hex   ˅

                     Open   Cancel

Figure 2.1 - Example of Locating Hex File *temp.hex*

Programming Instructions

1) Connect programmer to board (6pin Connector)

TO PROGRAMMER
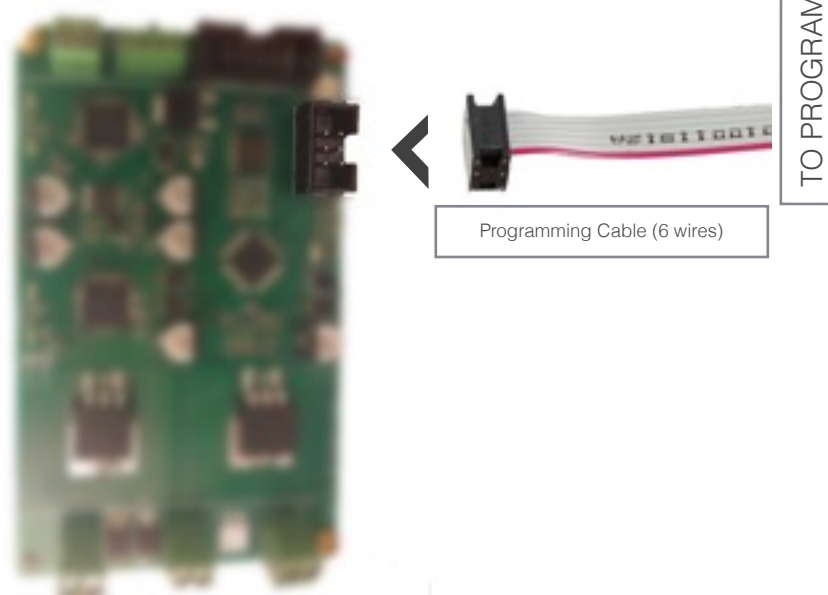
Programming Cable (6 wires)

Figure 3.1 - Connecting Programmer to Board

2) Click **Program** and wait for completion.

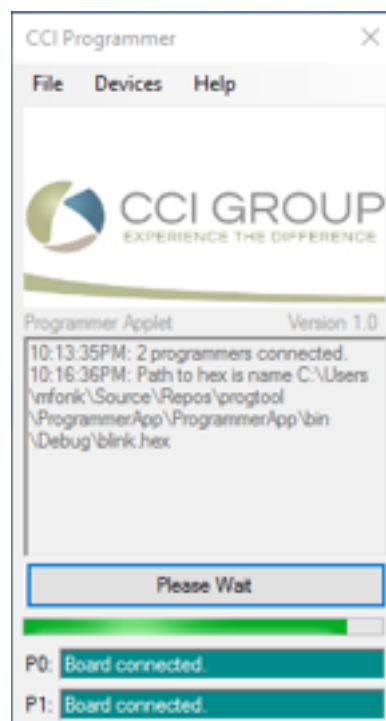
Figure 3.2 - 2 Programmers with Boards
Connected

Figure 3.3 - Uploading to 2 Boards

Troubleshooting Instructions

- No programmers appear in the applet.

  - Method 1) Click **Refresh**

Figure 4.1 - No Programmers Recognized

  - Method 2) Unplug and plug programmers
    and boards back in and **Refresh**

  - Method 3) **Reinstall** drivers as described below

Driver Installation Instructions

Method 1)

1. Download **Zadig**

2. Launch **zadig.exe**

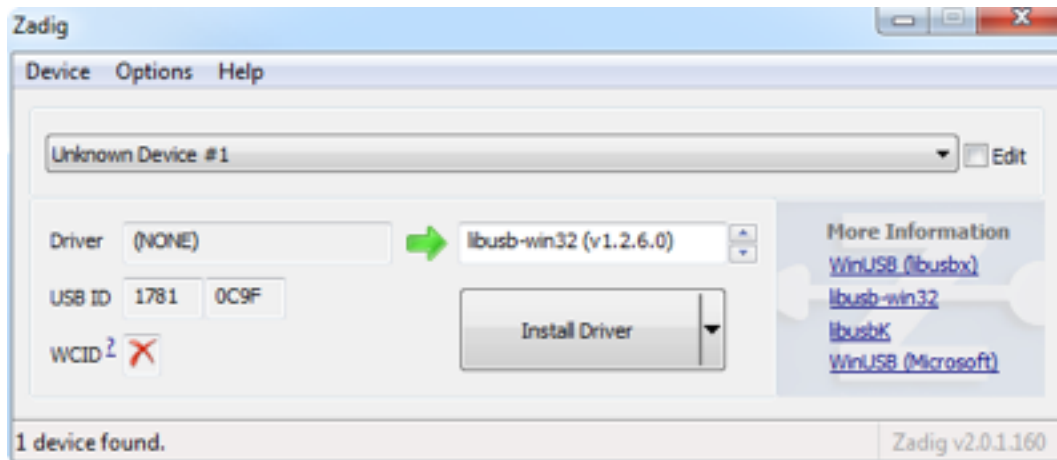3. Select "**libusb-win32 (v1.2.6.0)**" as "**Target Driver**"

Figure 5.1 - Zadig

4. Click "**Install Driver**"

5. Relaunch **CCIProgrammer.exe**

Method 2)

1. Download **USBTiny Drivers**

2. Find programmer in "Device Manager" (*Unknown Device)*
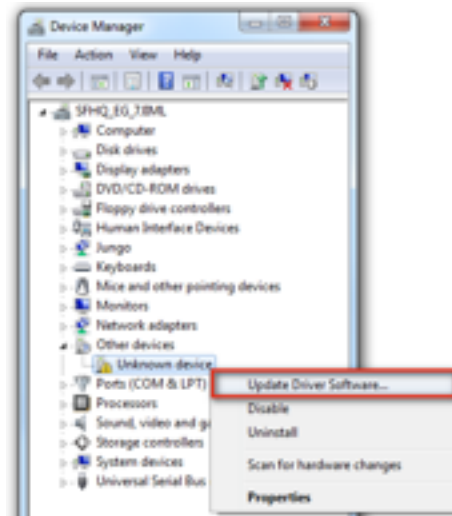
3. Right click and "Update Driver Software"

Figure 6.1 - Device Manager

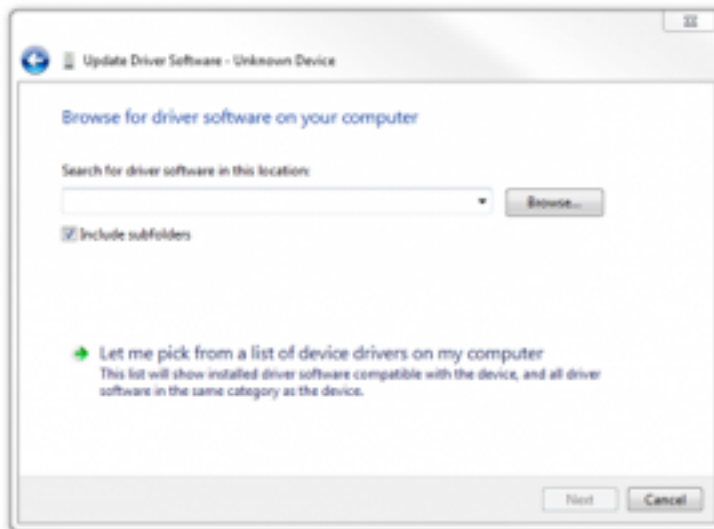4. Click "Browse…" and navigate to the "../usbtinyisp_libusb-win32_1.2.1.0"

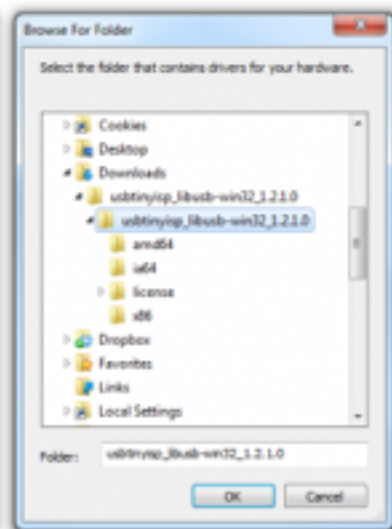*Figure 6.2 -* Driver Installation

Figure 6.3 - Driver Path