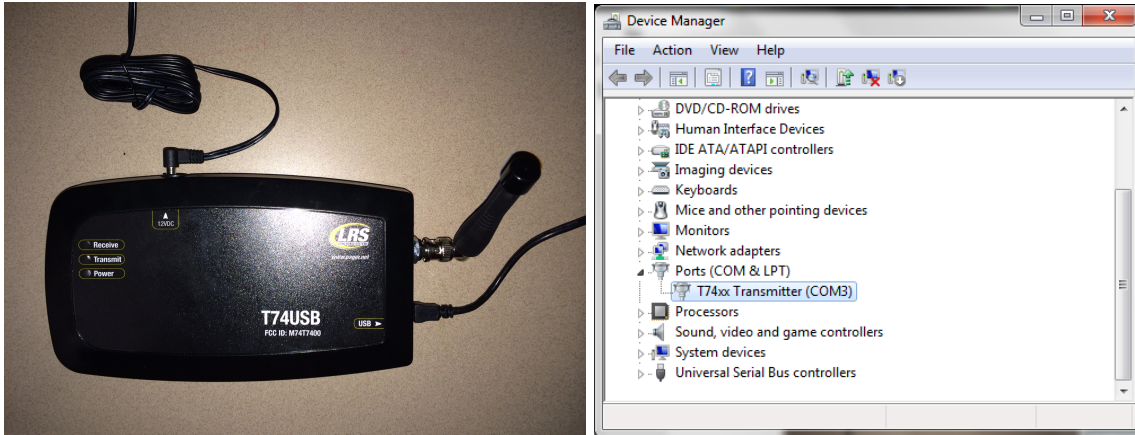# VRAC TactileVest API Instructions

1) Hardware Setup
- Go to pager.net/support/ and download the T74USB driver
- Plug the T74USB transmitter into a USB port on your computer
- Note the associated COM port with Device Manager

2) Software Setup
- Include the header file TactileAPI.h
- Make sure to compile with C++11 (set flags -std=c++0x or -std=c++11)

3) Pager Notes
- The ID of the pager is located on the upper right corner of the pager.

- This ID may not be correct if someone has previously reprogrammed the pager to another ID.
- The pagers we currently have cannot be signalled one after another very well. There is a period of time after a page is sent that you must wait for the pager and transmitter to "handshake". We believe the transmitter is waiting for some kind of reply signal from the pager.
- We recommend waiting at least 1 second before paging another pager.

4) Example Code to Page a Pager

Option1 is the most basic way to page one pager, while Option2 contains the concept of an attire object that is able to contain multiple pagers.

Option 1:

```
//Create a Serial object
Serial serialObj;

//Open the Serial object with the correct COM port parameter
serialObj.Open("COM1");

//Create a pager object and give it the ID of the pager you want to page
Pager pagerObj("101");

//Call the command function on the pager with the vibration intensity and passing it a reference to the serial object.
//Vibration intensity ranges from 1 to 4 (4 = highest)
pagerObj.command("3", &serialObj);

//Close the serial object
serialObj.Close();
```

Option 2:

```
//Create a Serial object
Serial serialObj;

//Open the Serial object with the correct COM port parameter
serialObj.Open("COM1");

//Create an Attire object and give it a reference to the Serial object
Attire attireObj(&serialObj);

//Create a pager object and give it the ID of the pager you want to page
Pager pagerObj("101");

//Call the addTactor function. Pass in a name and the pager object
attireObj.addTactor("pagerName", &pagerObj);

//Call the command function on the attire object. Pass in the name of the pager to pager and vibration intensity
//Vibration intensity ranges from 1 to 4 (4 = highest)
attireObj.command("pagerName", "3");

//Close the serial object
serialObj.Close();
```