

## Upgrade the firmware on a T1000 FACP

Before you start the upgrade on the Tracker panels with the latest firmware for the MC “motherboard”, the following equipment and PC software programmer and drivers are required

|  |   |
|--|---|
| Program cable for USB  | Part #TG-CBL-USB  |
| Firmware Program   | Fire Spy Firmware Programmer Version 1.1.0.0 or newer       |
| Panel Programmer   | FireSpy Tracker Utility Programmer Version 1.0.1.0 or newer |
| Drivers for USB Chip   | FTDI USB Drivers 2.06.00                                    |
| Operating System on PC, Windows XP or newer operating system with USB port |   |

### **Step 1.**

Before you can start to upgrade the T1000’s firmware, first need to save the database from the system that you are going to be upgrading.

This is crucial, since the system will do a factory default and put all the devices and messages back to the default level. So all of the messages and groups you have created will be lost.

### **Step 2.**

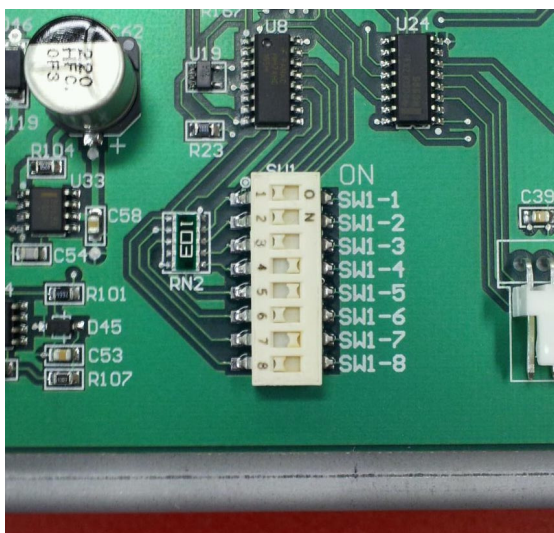
Create a new folder on your C: drive. Place the HSI\_V5\_T1K.Hex Firmware file in this new folder.

### **Step 3.**

On the T1000 MC mother board, on the bottom is SW1 Dip Switch.

SW1-8 is for programming.

SW1-8 off is **Run** mode for normal operation, SW1-8 on is **Program** mode. When in the Program mode, the panel will be ready to accept the new firmware file



#### Step4.

Place the USB cable into the USB port on the MC at J8 USB connection.

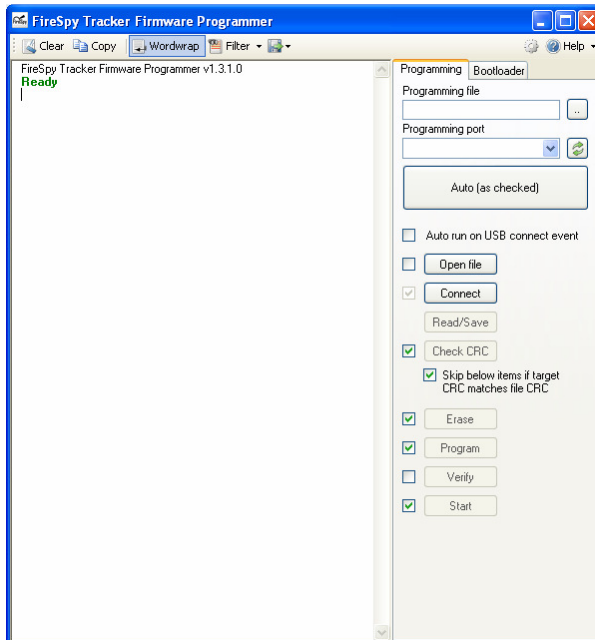
The USB port is located on the left side of the MC.

Activate the FireSpy Tracker Firmware Programmer, and it will open up like below.

The large box on the left will come up with the following print inside, if it is connected.

**FireSpy Tracker Firmware Programmer V1.3.1.0**

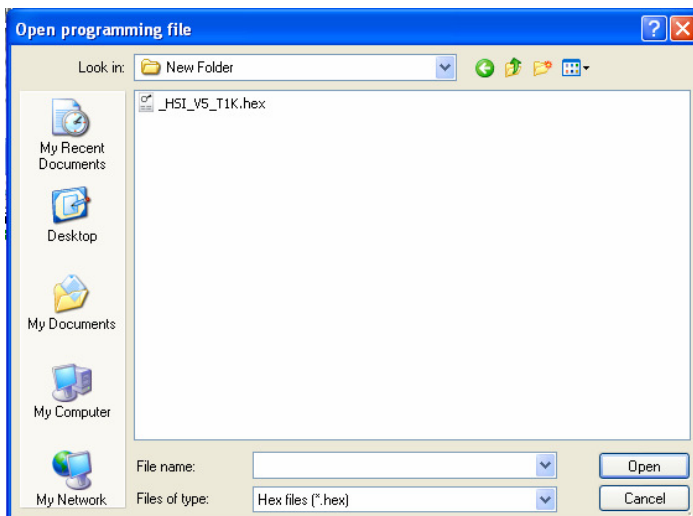
**Ready**



#### Step 5.

To the right of File, press the button on the top right side and it will let you browse your computer. Select the folder that you have placed the hex file in.

The folder will open up and you will have the Hex files to pick from as below. Select the file that is labeled HSI\_V5\_T1K.hex. Then Press “**Open**”



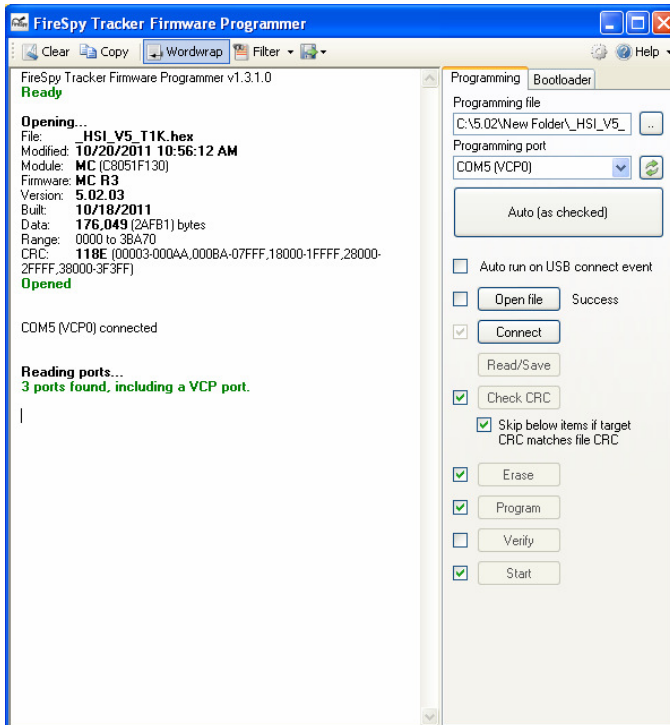
### Step 6.

The screen will have the MC firmware information come up in the left box, like it shows below.

File, Date, Version, CRC, ect...

On the right side, below file will be a File open with the CRC=xxxx.

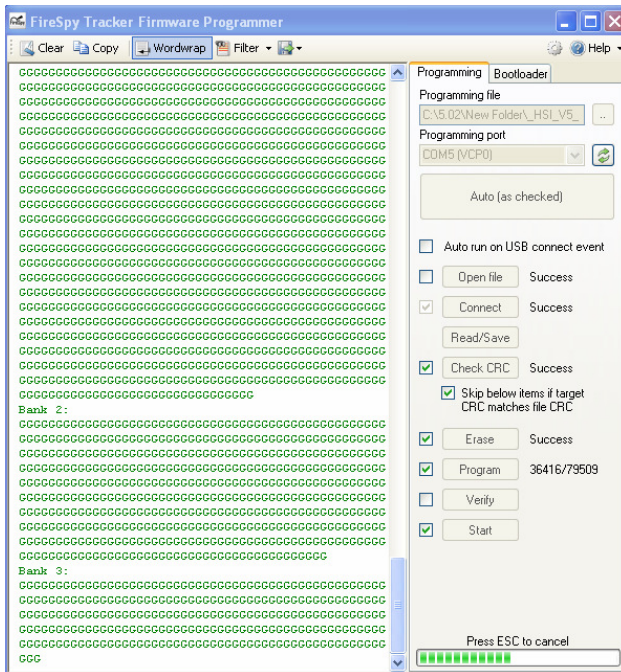
This number will match the same as in the box on the left. This is the Check Sum of the file you will be loading. You are ready to start the load command.



### Step 7.

To start the load command, Press the Auto (as checked) area.

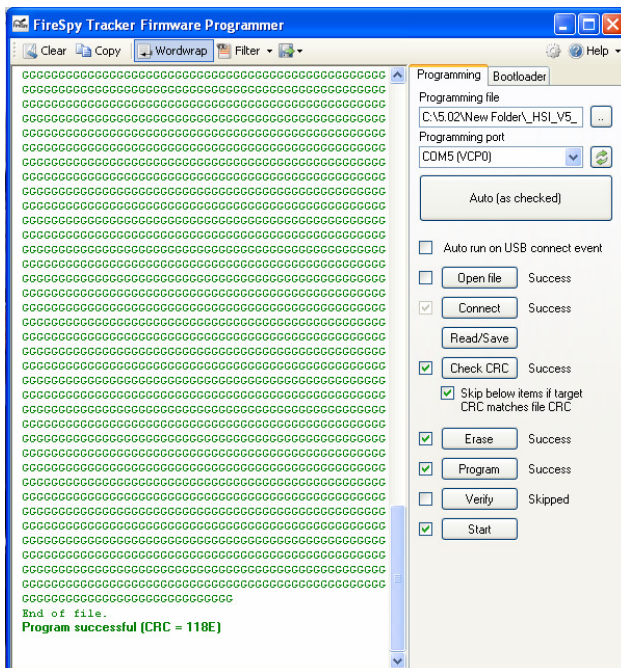
This will start the erasing command of the firmware. When the chip is erased, the program will state the loading of the new firmware. The box will start to fill up with GGGGGGGG's.



Step 8.

When the firmware is finished loading, your screen will look like below.

**Programming successful (CRC=97F4)** The CRC will change with newer updates.



Step 9.

The T1000 MC motherboard is finish loading, place the SW1-8 back to the off “**Run** mode” for normal operation. You may need to do a hard reset to allow the panel to go back to normal.