

# **TEXAS TIMERS**

## *SUPERIOR PRODUCTS FOR FREE FLIGHT MODELS*

### **eMAX Timers using ESC Power to Program**

### **FOR PC USERS**

Install Tera Term Pro as a free download from the Internet. This is essentially a serial VT 100 emulator. My version is 3.1.3 dated October of 2002. You also must have a driver for the USB cable. This driver is found at [www.texastimers.com/usbdriver.htm](http://www.texastimers.com/usbdriver.htm). You will want the X64 version. Double click the zip file and install on your XP thru Win 8 computer.

You must have the special cable from us. One end has a standard USB and the other a four pin connector for the front of your timer. This is not just a simple pass through cable. When everything is connected properly and working, the USB connector end will have a red glow.

#### **SET UP (Before beginning to Program)**

Open Tera Term Pro. Click OK when the COM3 error message appears  
UNDER SETUP

1. Select "Terminal"
  - Select the VT100 Terminal
  - Check the Local Echo box
  - Click OK
2. Select "Serial Port" and make the following entries
  - Select Port COM 3
  - Select Baud 9600
  - Select 8 Bits
  - Select Parity none
  - Select Stop 1 Bit
  - Select Flow Control none
  - Click OK
3. Select "General" and make the following entry
  - Set "COM3"
  - Click OK
4. Select "Save Setup"
  - Click on Save, and you are done (you may have to do another save on a follow on screen)
  - Close Tera Term Pro

#### **USE (Follow these instructions Exactly and in this order) You must start with no power to the timer**

1. Plug in your cable to both the PC and the timer. The connector only fits in the timer one way. Do not force it.
2. Open the TeraTerm terminal program to a blank screen. (the connector glows red)
3. Plug in the battery so power is applied to the timer via the ESC. The PC screen will show data immediately.
4. You will see a 0 setting for the DT and 0 for the Motor (or any prior settings you have made) Notice a prompt to enter a run time. This is where you use the PC keyboard to enter the desired motor run in tenths of a second. For example, 26.8 seconds would be entered at 268. No decimal point. Use your keyboard and press Enter. If you do not want to enter a motor time, just leave 0 showing and press the Enter arrow and you will be then prompted to enter a DT time. Again, this is in tenths of a second. 33 seconds would be 330. Press the Enter arrow. Or leave as 0

5. The timer program will not allow you to enter a DT time less than the motor time.
6. If you leave or set a 0 for motor or DT, then the timer will use the value set in the corresponding rotary switch. You can use any combination of programmed and switch times.
7. To return to using the rotary switch, enter a 0 for that parameter.
8. When done, simply remove the cable from the timer.

**Any setting you make using the Data Port will be saved, even if you remove the battery.**