

TraumaFX ECG Simulator

TraumaFX[®] offers an ECG Simulator (ECG) that when paired to a TraumaFX simulator can allow connection to a 3-lead ECG monitor. Utilizing the active manikin pulse, the ECG Simulator allows a trainer to select one of 6 unique waveforms for output to the ECG monitor. The selected waveform can be easily changed by the trainer at any time during the simulation.

Power Source:

One (1) rechargeable Makita 18v Li-Ion battery

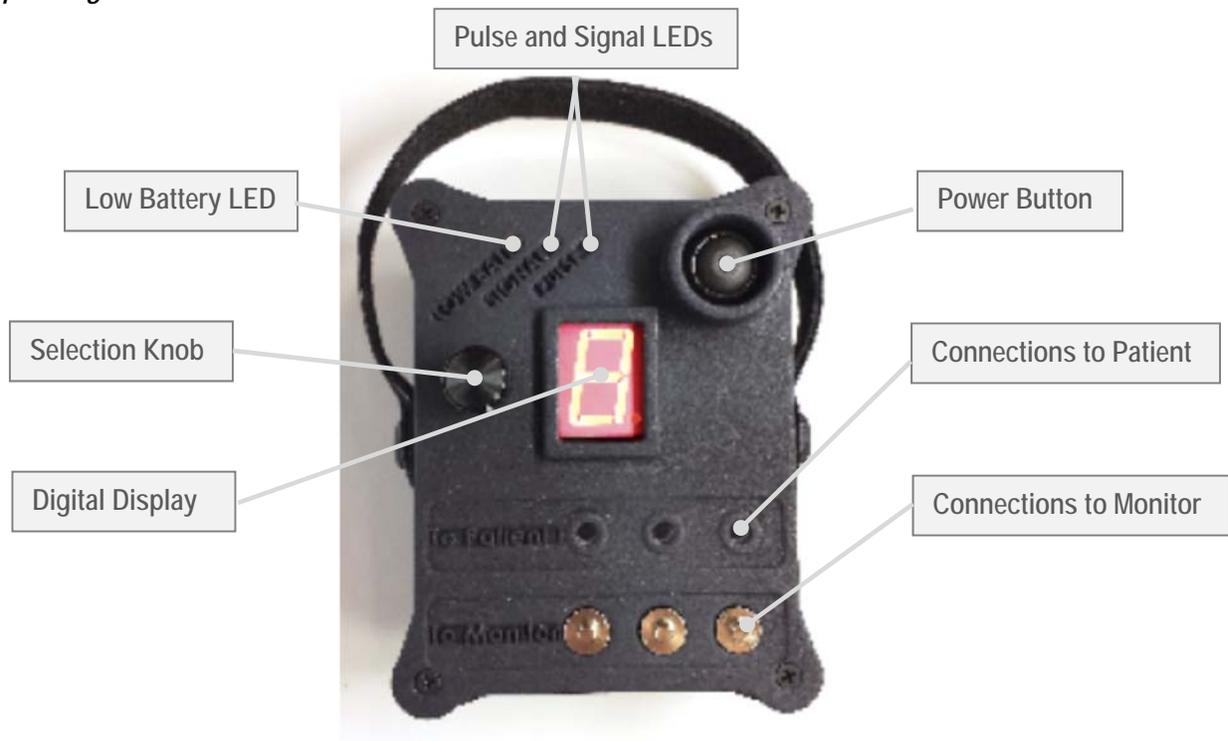


Use only the Makita battery charger provided with your TraumaFX unit to recharge the batteries.

Installing the Makita 18v Battery:

- Slide the battery into the battery slot at the back of the ECG Simulator until you hear an audible 'click'

Operating the ECG Simulator:



Note: The ECG Battery life can be monitored by the on-board LEDs. The 'Low Bat' LED will light red when the battery charge is low. When the battery charge is too low to maintain function, the 'Low Bat' LED will blink to indicate shutdown is imminent.

Note: The "Pulse" LED will flash yellow based on the pulse rate of the simulator.

- 1) Ensure the Makita 18v battery is fully charged.
- 2) Turn on the ECG Simulator by pressing the power button
- 3) Pair the ECG to the Remote Control Transmitter as follows:
 - a) From the **Main Splash Screen** on the Remote Control Transmitter, press '**Settings**'
 - b) Press '**Remote Settings**'
 - c) Press '**Next**'
 - d) Press '**Scan for Accessories**'
 - e) Find your ECG Simulator on the list and select using the joystick
 - f) Press '**Pair with Selected**'
 - g) The Signal LED on the ECG will blink green until connection is established
- 4) Connect 3 leads between the ECG and ECG Monitor
 - a) Use the 3 connections labeled 'To Monitor' on the ECG
- 5) Attach 3 leads to the ECG using the connections labeled '**To Patient**' (the other ends of these leads will be placed on the APL-PB during training).

Note: the leads attached to the manikin do not carry a signal; the device will operate regardless of where these leads are placed. It is up to the trainer to determine if the leads have been placed correctly for a signal to be read.

- 6) Begin training
- 7) After use, remove the battery and recharge before storage.
- 8) To clean, wipe down the exterior with a dry or wet cloth or sponge.
- 9) The ECG is water resistant but not waterproof. Do not submerge the ECG in water.
- 10) Store at room temperature

Waveform:

Corresponding to the Number on the digital display

1. Normal Sinus Rhythm
2. Ventricular Fibrillation (VFIB)
3. Asystole
4. Atrial Fibrillation (AFIB)
5. Atrial Flutter
6. Pulseless Electronic Activity (PEA)

Note: Digital Display numbers 0, 7, 8, 9, and 10 represent Normal Sinus Rhythm.



The ECG is water resistant, but is not waterproof.
DO NOT SUBMERGE TWC UNDER WATER.

Troubleshooting:

The ECG will not turn on	<ul style="list-style-type: none">▪ Ensure the Makita 18v Li-Ion battery is properly installed.▪ Ensure the Makita 18v Li-Ion battery is properly charged.
The unit will not pair with the manikin	<ul style="list-style-type: none">▪ Ensure the ECG and manikin are turned on.▪ If pairing is unsuccessful, turn off both the ECG and the manikin. Wait 10 seconds and again apply power, and repeat the pairing procedure.
Incorrect waveform shows on monitor	<ul style="list-style-type: none">▪ Check to ensure the proper selection has been made from the above list.
No waveform shows on monitor	<ul style="list-style-type: none">▪ Ensure that the 3 leads from the ECG Simulator have been connected correctly to your monitor▪ Ensure that the ECG Simulator is paired to the Remote Control Transmitter being used to operate the manikin▪ Verify that your simulation is active by observing the running clock on the main control screen on the Remote Control Transmitter

Additional Support:

TraumaFX Technical Support can be contacted at MATTSupport@traumafx.net or 1-800-200-7465.