Resetting the Ricmotech RealGear GTpro Pedal PCU

The PCU on the pedals may become unresponsive if poor calibration values are set. This can occur by pressing the program switch on the PCU in random patterns or by loading "empty" saved profiles. Resetting involves returning the PCU to a "safe" calibration and then recalibrating each pedal so the PCU learns their respective true start and stop points.

Step 1 – Recovering to a "safe" calibration

1. Unplug the USB cable from either the PCU or PC end (whichever is most convenient)
2. Press and hold the "number 1" side of the program switch
3. Plug the USB cable back in
4. Wait at least 2 seconds
5. Release the program switch

The PCU should now have a "safe" calibration loaded. You may test the pedals on the PC and you should see the axis move on screen. The axis will not move within their full range however. This will be corrected in the next steps.

Step 2 – Calibrating the pedals to their full range

1. Calibrating the Throttle Pedal
   a. Press the "number 2" side of the program switch for 3 seconds to enter program mode
   b. Click the "number 1" side 3 times
   c. Wait for the PCU to confirm 3 green blinks
   d. Wait for a single red blink
   e. Press the throttle to the end of its travel (do not mash it down)
   f. Release the throttle pedal
   g. Click the "number 1" side 1 time
   h. Wait for 1 green blink and 2 red blinks
   i. Move the throttle about 1-2mm and release
   j. Click the "number 1" side 1 time
   k. Wait for 2 green blinks
   l. The PCU will exit program mode
2. Calibrating the Brake Pedal
   a. Press the "number 2" side of the program switch for 3 seconds to enter program mode
   b. Click the "number 1" side 4 times
   c. Wait for the PCU to confirm 4 green blinks
   d. Wait for a single red blink
   e. Press the brake to what you want 100% braking to feel like
   f. Release the brake pedal
   g. Click the "number 1" side 1 time
   h. Wait for 1 green blink and 2 red blinks
   i. Press the brake pedal about ½ inch (1cm) and release

      j.   Click the "number 1" side 1 time

      k.   Wait for 2 green blinks

      l.   The PCU will exit program mode

3. Calibrating the Clutch Pedal

    a.   Press the "number 2" side of the program switch for 3 seconds to enter program mode

    b.   Click the "number 1" side 5 times

    c.   Wait for the PCU to confirm 5 green blinks

    d.   Wait for a single red blink

    e.   Press the clutch pedal about 90% of its travel

    f.   Release the clutch pedal

    g.   Click the "number 1" side 1 time

    h.   Wait for 1 green blink and 2 red blinks

    i.   Press the clutch pedal about ½ inch (1cm) and release

    j.   Click the "number 1" side 1 time

    k.   Wait for 2 green blinks

    l.   The PCU will exit program mode

If the above steps were followed correctly the PCU should now have an even pulsing red heartbeat. This heartbeat should be present when the pedals are at rest or fully depressed. When any pedal is mid travel you should have a random green flicker from the PCU. This confirms the pedals are properly calibrated.