



Kinetic Power Computer

Congratulations on the purchase of the Kinetic PC, a custom designed, 13 function, rear mount cycling computer that calculates your power output in watts while riding a bike on the Kinetic Trainer. Please visit our web site www.kurtkinetic.com for more information and other quality cycling products and accessories.

I. Functions and Features

A. The Kinetic PC measures wheel RPM, combines the data with wheel diameter, power formula and a stopwatch to compute the following information:

Ride Time (T)	Current Speed (SPEED)	Current Power (WATT)
Clock (⌚)	Average Speed (AVS)	Average Power (AVW)
Sleep Mode	Maximum Speed (MXS)	Maximum Power (MXW)
	Ride Distance (D)	Pacer Indicator (+) / (-)
	Total Distance (ODO)	Auto On / Auto Off

B. The Kinetic PC has many features that make it easy to use and customizable to meet your cycling needs.

ODO Reset	Input Wheel Size (CIR)	Metric (km/h) English (m/h) Data
Ride Data Reset	Input Power Formula	Scan Display Function (SCAN)
Ride Data Pause	Data Recording Indicator	Speed Sensitive Data Shutdown
Extra Long Cable	Adjustable Pivot Sensor	Adjustable Length Mounting Wire

These special features will be explained in Section IV of this manual.

II. **Parts List** The parts are pictured in DIAGRAM #1. The number in picture corresponds to the part listed below.

1. Display Unit	5. Lithium Battery (CR1225)
2. Handlebar Shim	6. Computer Mount
3. Wheel Magnet	7. Quick Ties
4. Wheel Sensor	8. Sensor Extension Wire



DIAGRAM 1

III. Installation and Mounting Instructions

A. **Battery Installation:** The Kinetic PC is shipped without the battery installed to maximize battery life.

1. Remove battery cover on back of Display Unit.
2. Place battery in opening with the positive (+) sign pointing up.
3. Ensure the three (3) battery connection pins are upright and extending to the side of the battery.
4. Carefully push battery into opening and replace battery cover.
5. Check display for data. If no data appears, remove battery, wait 5 seconds and repeat process.
6. Slide Display Unit (Part #1) on to Computer Mount (Part #6) until clicks into place. To remove Display Unit, push down on locking tab and slide Display Unit up until approximately 1".

B. **Computer Mounting:**

1. Attach Computer Mount (Part #6) with wires pointing down to handlebars on the left or right of the stem as shown in DIAGRAM #2. Use Handlebar Shim (Part #2) to adjust fit for smaller bars. Use screwdriver to tighten screw such that the Computer Mount does not rotate on handlebars.
2. Attach Wheel Sensor (Part #4) to left chain stay or seat support with Quick Ties (Part #7) as shown in DIAGRAM #3A.
3. Attach Wheel Magnet (Part #3) to spoke on rear wheel using screwdriver. Adjust Wheel Magnet and Wheel Sensor such that the Wheel Magnet lines up with Wheel Sensor as pictured in DIAGRAM #3B. Ensure Wheel Magnet is within 3-5 mm of Wheel Sensor and tighten both parts to prevent movement.
4. Wrap Computer Mount wire around handlebar, brake or shifter cable and bike frame using Quick Ties as needed to maintain proper wire position. Wrap Wheel Sensor wire around bike frame and plug into Computer Mount wire using Quick Ties to maintain proper wire position. Add Sensor Extension Wire (Part #8) if necessary to connect the Computer Mount wire to the Wheel Sensor Wire.
5. Test computer function by rotating rear wheel. If functioning properly, the Display Unit will "Wake Up" and begin recording data. The wheels on the bicycle in the top left corner of the Display Unit will rotate to indicate data is being received. If the Display Unit does not "Wake Up", check the alignment of the Wheel Magnet / Wheel Sensor and the plug connection. Then check the connection between the Display Unit and Computer Mount by removing and re-installing the Display Unit in the Computer Mount.



DIAGRAM 2

IV. Computer Set-Up, Programming and Operation

A. Default Setting. The Kinetic PC is preset to the values listed below.

1. Wheel Circumference (CIR): 2060 mm. To measure the Wheel Circumference (CIR) on your bike, we recommend a Wheel Rollout. Inflate tires to maximum listed on tire. Find a flat surface and mark a starting line. Position bike such that the inflation valve is at bottom dead center and on the starting line. Sit on your bike and scoot forward in a straight line until your wheel makes 2 complete revolutions. Mark the spot and measure the distance. Convert the distance to mm (1"=25.4 mm), divide the total by 2. Record your CIR here _____.
2. Display Units: Metric (km/h)
3. Power Formula A: 5245 Power Formula B: 1917
4. Odometer (ODO): 0.0
5. Clock 12:00

B. Reset Default Settings. To reset these values 1-5 listed above, use the "SET" and "MODE" buttons located on the bottom of the Display Unit. The Kinetic PC has five different data Display Screens. Pressing the MODE button will sequentially rotate the display from screen #1 to screen #5 and back to screen #1. Please study the Screen Display pictures on this page.

1. Change Wheel Circumference (CIR) and Display Units (km/h). Press MODE button until screen #1 is displayed. Press and hold SET button until 2060 appears. Input the CIR for your bike as measured in Step IV. Use MODE button to increase each number and SET button to advance to the next number. Following the input of the fourth number, the Display will advance to flashing "km/h". Use MODE button to change Display Unit from Metric to English or English to Metric. Save your choices by pressing the SET button and the computer will return to Screen #1.
2. Change Power Formula A: 5245 Power Formula B: 1917. The default Power Formula is accurate for the Kinetic Road Machine Trainer. For the Kinetic Cyclone Trainer, use the following formula, A:6481, B:2011. If you do not have a Kinetic Trainer, visit www.kurtkinetic.com to check compatibility with other bike trainers. Press MODE button until screen #2 is displayed. Press and hold SET button until 5245 appears. Input the Power Formula A for your trainer. Use MODE button to increase each number and SET button to advance to the next number. Repeat process for Power Formula B. Save your choices by pressing the SET button and the computer will return to Screen #2.
3. Change Odometer (ODO): 0.0. This is only necessary if you have changed the battery or want to add previously completed mileage to the Kinetic PC. Press MODE button until Screen #3 is displayed. Press and hold SET button until Odometer (ODO) appears. Use MODE button to increase each number and SET button to advance to the next number. Input the mileage total of your choice. Save your choices by pressing the SET button and the computer will return to Screen #3.
4. Set Clock: (12:00). Press MODE button until screen #5 is displayed. Press and hold SET button until time clock appears (HH:MM). Input the correct time using a minutes and hour using a 12 hour clock. Use MODE button to increase each number and SET button to advance to the next number. Save your choices by pressing the SET button and the computer will return to Screen #5.

C. Resetting Ride Data. After the completion of a ride, before the start of a ride or anytime that you want to reset to "0.00" your average / maximum speed / power data and reset your ride time and distance, simultaneously press and hold both the MODE and SET buttons and all ride data will be reset to 0.00.

D. Pausing Data Collection. If at any time you want to stop or pause Ride Data collection, press the SET button in any Screen. This will make the display unit (m/h or km/h) flash on and off. When the Kinetic PC is in pause mode, the speed function will change, but ride data will not be recorded. **If you have a speed display and the timer and mileage functions are not recording, PRESS THE SET button to reset the pause function.** Press the SET button and the display units will not flash. All ride data will be recorded.

E. Sleep Mode and Auto On / Off function. If the Kinetic PC does not receive a signal for 4 minutes, the display will go into sleep mode and only the clock will be displayed. The computer will wake up or activate using the Auto On / Off function if any button is pushed or the bike wheel begins to rotate.

V. Additional Useful Information

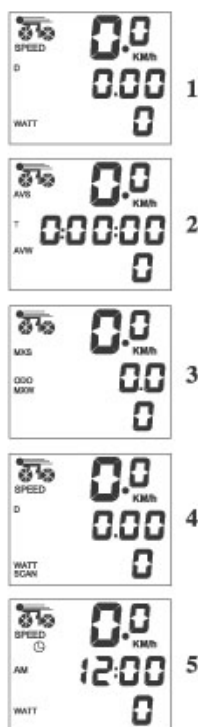
- A. The Kinetic PC is water resistant, but not water proof. Do not submerge into water. If immersed in water, the display unit will not work and full function can only be restored by drying the various parts.
- B. Maximum Speed that can be displayed is 99.9 km/h or 62.0 mph. If the recorded speed exceeds 99.9 km/h or 62.0 mph the display unit will only show the speed above the maximum speed.
- C. For additional information or technical support, please visit our web site (www.kurtkinetic.com) or call 800-328-4014.



DIAGRAM 3 A



DIAGRAM 3 B



SCREEN DISPLAY PICTURES 1-5