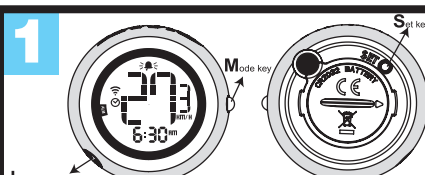


CONTINUUM 9W WIRELESS CYCLE COMPUTER

1



2

1 & 6 & 9 (o-ring inside)

2 & 6 (o-ring inside)

5

8 x4

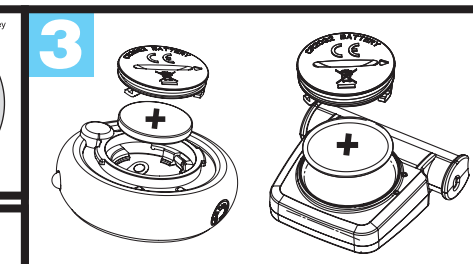
10

7 x2

4

3

3



4

(SPEED &) (DST)

(RTM) (AVG) (MAX) (ALM) (ODO) (CAL) (BACK LIGHT)

5

ALL DISPLAY 8sec S+M → ANY KEY → (UNIT) S → (circumference) S → (ODO VALUE) S → (WEIGHT) S

U: → S KEY

C: → S KEY

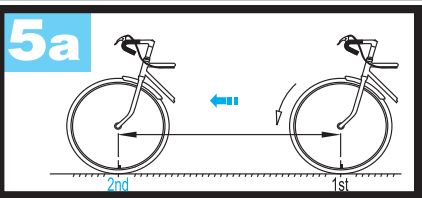
O: → S KEY

W: → S KEY

&: → S KEY

ALM mode

5a



CONTINUUM 9W WIRELESS CYCLE COMPUTER

Popular Tires Circumference Reference Table

Tire Size	Circumference No.
18 inch	1436 mm
20 inch	1596 mm
22 inch	1759 mm
24 x 1.75	1888 mm
24 inch	1916 mm
24 x 1 3/8	1942 mm
26 x 1.40	1995 mm
26 x 1.50	2030 mm
26 x 1.75	2045 mm
26 x 1.95	2099 mm
26 x 2.1	2133 mm
700C TUBULAR	2117 mm
700x20C	2092 mm
700x23C	2112 mm
700x25C	2124 mm
700x26C	2136 mm
700x32C	2155 mm
700x35C	2164 mm
700x36C	2174 mm
27.5 inch	2193 mm
28 inch(700B)	2234 mm
28.6 inch	2281 mm

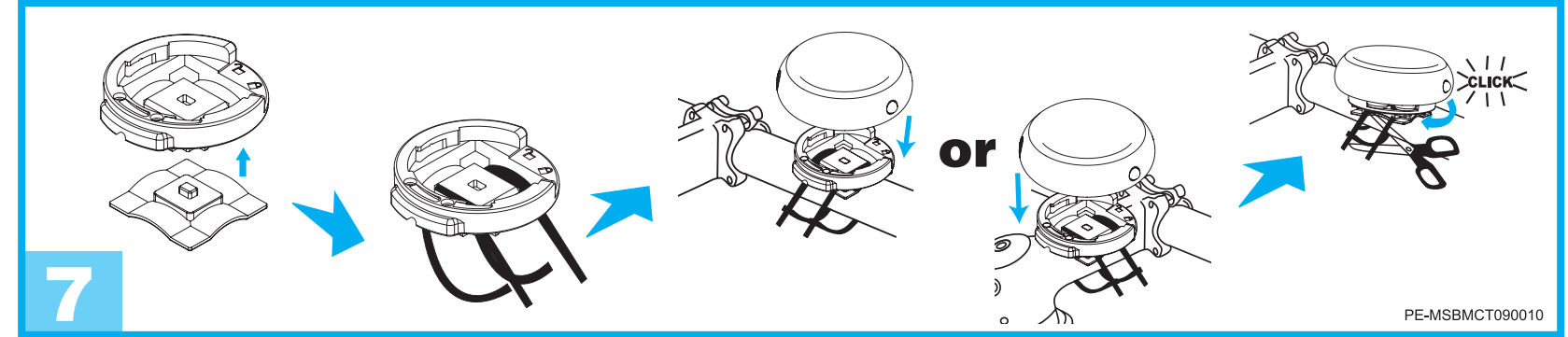
6

YES! NO!

Max 60cm

5 mm MAX!

7



PE-MSBMCT090010



<div><div>EN</div><div>(Please refer graph)</div><div><div>1</div><div>9 functions & features</div><div>9 Functions</div></div><div><div>1. 12/24 Hour digital clock</div><div>2. Speed meter 0~99 mile/h (km/h)</div><div>3. Trip distance 0~99.9 mile/h (km/h) (restart from 0)</div><div>4. Riding time 0~99:59 (restart from 0)</div><div>5. Average speed 0~99.9 mile/h (km/h)</div><div>6. Maximum speed 0~99.9 mile/h (km/h)</div><div>7. Visual Alarm 0:00:00~23:59:59</div><div>8. Odometer 0~9999 mile/h (km/h) (restart from 0)</div><div>9. Calories (0~9999 kcal) (restart from 0)</div></div><div><div>Other Features:</div><div>1.MPH(W:0~350Lbs)/KPH(W:0~160Kgs)Selection</div><div>2. Auto power saving</div><div>3. Weak battery detection</div><div>4. Transmitter motion LED indication</div><div>5. Recheckable,Wide wheel size input (100~3999mm)</div><div>6. Large,easy to read LCD display</div><div>7. Replaceable color rubber case</div><div>8. Resettable odometer</div><div>9. Wheel circumference</div><div>10. Auto start/stop function</div><div>11. Water resistance</div></div></div>			
<div><div>12. Dual LCD display</div><div>13. 3V Lithium battery of meter & transmitter</div><div>14. Compatible to most size fork</div><div>15. LED Backlight</div></div>			
<div><div>2</div><div>Accessories & Attachment</div></div> <div><div>1. 9 Function Wireless meter</div><div>2. Wireless speed sensor</div><div>3. Bracket</div><div>4. Rubber pad for bracket</div><div>5. Rubber pad for speed sensor</div><div>6. Battery cover & rubber o-ring x2 (meter & speed sensor)</div><div>7. 3V Lithium battery x2 (meter & speed sensor)</div><div>8. Irreversible cable tie x4 (meter x2 & speed sensor x2)</div><div>9. Replaceable color rubber case (adhesive on the meter)</div><div>10. Magnet set</div></div>			
<div><div>3</div><div>Preparation:</div></div> <div>Meter and sensor battery installation</div> <div>Turn the unit cover,insert lithium battery as illustrated,place the battery into the case and close the cover. Secure it by using a coin to turn the cover hole.</div>			
<div><div>4</div><div>Measuring and display function</div></div> <div>Current speed is displayed on the top line in clock/riding time /ODO/alarm/calorie mode.</div>			
<div><div>5</div><div>current speed displayed 0-99 mile/h (km/h)</div></div> <div><div>5</div><div>12 / 24 hour clock is displayed.</div></div> <div>DST:Trip distance is recorded automatically when the wheel is turning 0-99.9 mile/h (km/h)</div> <div>RTM:Elapsed time is displayed (0 - 99:59)</div> <div>AVG:Average speed is calculated and displayed 0-99.9 mile/h (km/h)</div> <div>MAX:Maximum speed is stored,updated and displayed 0-99.9 mile/h (km/h)</div> <div>ALM:flash 30 minute on LCD displayed.</div> <div>For example, reminder to hydrate or apply sunblock.</div> <div>ODO:Total distance(odometer) is displayed 0-9999 mile/h (km/h)</div> <div>CAL:Calorie calculated and displayed in riding time 0-9999 Kcal</div> <div>LED back light:3-5 second LED back light displayed.</div>			
<div><div>5</div><div>Main unit setup</div></div> <div>Press any key to begin programming (All clear display)</div> <div><div>(U)</div><div>Unit Selection: KM/KG(0~160Kgs) or Mile/LB(0~350Lbs)</div></div> <div>KG:default value 45KG LB: default value 100 Lbs</div> <div>1. Press (M) to choose KM/H or weight unit : KG</div> <div>2. Press (ADJUST/LIGHT) to choose M/H or LB,Default at KM/H and KG.</div> <div>3. Press (S) for next setting or exit.</div> <div>NOTE:When in Full display,press any button to enter</div>			
<div><div>5a</div><div>(C) Wheel circumference setting:</div></div> <div>Measuring the wheel circumference as part of the data input process.</div> <div>1. Place measuring tape perpendicular to the ground</div>			
<div><div>2.</div><div>Align tire value at 0 cm on measuring tape (Weight of rider can affect wheel circumference,with rider on the bike can provide more accurate measurement)</div></div> <div><div>3.</div><div>Roll the wheel in a straight line and mark the measurement when the valve stem is perpendicular to the ground again.</div></div> <div><div>4.</div><div>Record and enter the value.</div></div> <div><div>5.</div><div>Wheel circumference defaults at 2155mm, refer to wheel circumference table or input your measured value.</div></div> <div><div>6.</div><div>Press ADJUST/LIGHT key to set value.</div></div> <div><div>7.</div><div>Press Mode Key to adjust value and so on.</div></div> <div><div>8.</div><div>Press SET key for next setting or exit.</div></div> <div><div>Note:</div><div>Wheel circumstance can affect speed calculation.</div></div> <div><div>(O)</div><div>Odometer setting</div></div> <div><div>IMPORTANT:</div><div>All data will be cleared when replacing battery.</div></div> <div><div>1.</div><div>Press ADJUST/LIGHT key to set value</div></div> <div><div>2.</div><div>Press Mode Key to adjust value and so on.</div></div> <div><div>3.</div><div>Press SET key for next setting or exit.</div></div> <div><div>Note:</div><div>IMPORTANT: Record the ODO data before you remove the old battery.</div></div> <div><div>In</div><div>DST mode,press SET key to recheck wheel circumference value.</div></div> <div><div>(W)</div><div>Weight setting</div></div> <div><div>Weight unit selection (LB),speed unit (M/H),weight default at 100LB</div></div> <div><div>Weight unit selection (KG),speed unit (KM/H),weight default at 45KG</div></div> <div><div>1.</div><div>Press ADJUST/LIGHT key to set value</div></div> <div><div>2.</div><div>Press Mode Key to adjust value and so on.</div></div> <div><div>3.</div><div>Press SET key for next setting or exit.</div></div>			
<div><div>Set Alarm</div></div> <div>Press Mode key to ALM,press SET key button for 3 seconds enter setting.</div> <div>In clock mode, if select display time in 12h format,to set AM/PM</div> <div><div>1.</div><div>Press ADJUST/LIGHT key to set value</div></div> <div><div>2.</div><div>Press Mode Key to adjust value and so on</div></div> <div><div>3.</div><div>Press (SET) to complete setting</div></div> <div><div>4.</div><div>Press (SET) to activate alarm. Alarm symbol shall display on the top of meter screen</div></div> <div><div>5.</div><div>Press MODE key for next function</div></div> <div><div>Note:</div><div>1. Reminder to hydrate or apply sunblock.</div></div> <div><div>2.</div><div>When reach preset time,screen flash in 2 times per second full display every 2 sec.</div></div> <div><div>3.</div><div>Continuous flash automatically stop after 30 min.,or press Mode key to turn off.</div></div> <div><div>4.</div><div>When alarm symbol displays,preset time is set in meter.</div></div> <div><div>5.</div><div>Alarm flash continuous after stop riding.</div></div> <div><div>6.</div><div>To turn off setting,press SET key, Alarm symbol disappears on meter screen.</div></div> <div><div>Clock setting</div></div> <div>Clock is displayed in Clock DST/AVG/MAX mode</div> <div>Press Mode key to clock mode, hold SET key 3 seconds to enter setting</div> <div>In clock mode, if display time is in 12h format</div> <div><div>1.</div><div>Press ADJUST/LIGHT key to switch between 12h/24h</div></div> <div>Press Mode key for next value</div>			
<div><div>3.</div><div>Press Mode Key to adjust value and so on</div></div> <div><div>4.</div><div>Press SET key to exit</div></div>			
<div><div>6</div><div>Mounting: Sensor / Magnet</div></div> <div><div>1.</div><div>Attach the magnet on the right spoke of the front wheel as illustrated,(as high as possible)</div></div> <div><div>2.</div><div>Measure the most suitable sensor zone position to across from the magnet,referring to the illustration.</div></div> <div><div>3.</div><div>Attach the sensor and rubber pad to the right side of the right fork leg, lightly fasten the cable ties to the two holes on the speed sensor; this allows position adjustment of the speed sensor as shown.</div></div> <div><div>4.</div><div>Measure the optimum position for the speed sensor, securing it with the cable ties. Align the speed sensor to the wheel magnet. Keep the distance under 5mm.</div></div> <div><div>5.</div><div>The antenna position on sensor top should aim at the computer.</div></div> <div><div>6.</div><div>Spin the front wheel,the transmitter motion LED indicator will flash while the transmitter is in normal operation.. If not, check magnet / sensor alignment or change the transmitter battery.</div></div> <div><div>7.</div><div>The cable tie on the sensor transmitter two side position should aim at the main unit.</div></div> <div><div>Mounting : Wireless sensor</div></div> <div>The sensor was designed to receive signals within a limited range to prevent sensor signal interference. To function properly, keep a distance not over 60cm between the computer and the sensor.</div>			

<div>Tue sensor may needs to be placed at top of front fork and adjust the angle of computer on bike stem for better signal.</div> <div><div>Warning:</div><div>1. Do not concentrate on meter while riding. Always be sure to ride safely.</div><div>2. Periodically check sensor and magnet are securely placed. Also check the bracket is not loose, meter and speed sensor in straight line before riding.</div></div>			
<div><div>7</div><div>Bracket Cyclocomputer</div></div> <div>Mount the meter onto the bracket and secure to handlebar. Place the sensor transmitter and magnet in the highest position possible, not more than the distance of 60CM. If the sensor signal symbol flickers when the front wheel spins, mounting is completed</div> <div><div>Note:</div><div>After tightening and fixing sensor cable tie,cut off the surplus part and trim the edge to avoid being injured.</div></div> <div><div>Reset and Clear All Data</div></div> <div>In any mode, press and hold SET and MODE simultaneously for 8 seconds to reset/clear all data.</div> <div>In mode DST/RTM/AVG/MAX/CAL, press and hold SET key and MODE key simultaneously(less than 3 seconds), While screen flashing, Press MODE key to confirm clear.</div> <div>DST/RTM/AVG/MAX/CAL data will be cleared, Press SET key to cancel clear. In both cases ODO/TIME/ALM are not reset.</div> <div><div>Warning:</div><div>1.Removing the battery will erase all data and preset values.</div></div>			
<div><div>2.</div><div>After battery replacement, please follow step 4.</div></div>			
<div><div>Check wheel Circumference</div></div> <div>In DST mode, press SET key to view wheel circumference. Press MODE key or wait for 5 seconds to switch to next setting.</div> <div><div>Power saving</div></div> <div>To preserve battery, this meter will automatically switch to sleep mode and just displays the clock data when it has not been used for about 5 minutes. The computer will be activated automatically by riding the bike or by pressing the button.</div> <div><div>LED Back-light</div></div> <div>Press ADJUST/LIGHT key , back-light is on for 3-5 seconds.</div> <div><div>Auto Start/Stop</div></div> <div>When start/stop riding, meter will automatically start/stop record data. When flashes, meter will start automatically.</div> <div><div>BATTERY CHANGE</div></div> <div><div>1.</div><div>All data will be cleared when battery is replaced.</div></div> <div><div>2.</div><div>When replacing a new battery, this meter allows you to re-enter your last ODO reading.</div></div> <div><div>3.</div><div>Record ODO data BEFORE removal of the old battery.</div></div> <div><div>4.</div><div>Please use CR2032 battery. Refer to the graph 6 for installation.</div></div> <div><div>5.</div><div>After battery is placed and screen in all display, press any key to begin setting.</div></div> <div><div>Button function</div></div> <div>divided into two function:</div> <div><div>function phase:</div><div>Mode key:</div><div>press the Mode key to cycle through the modes</div></div>			
<div><div>SET key:</div><div>set button</div></div> <div><div>ADJUST/LIGHT key:</div><div>start the LED back light is at working</div></div> <div><div>Setting Phase</div></div> <div>ADJUST/LIGHT key:to switch between value</div> <div>Mode key:edit value</div> <div>SET key:switch to next setting or exit(on meter back side).</div> <div><div>Trouble shooting</div></div> <div><div>Black display:</div><div>Temperature is too hot or too cold. Exposed in direct sunlight too long.</div></div> <div><div>No Display:</div><div>Battery not installed or installed incorrectly / battery run down</div></div> <div><div>Display fades:</div><div>battery shortage</div></div> <div><div>Irregular data appears:</div><div>execute ALL CLEAR/ weak sensor transmitter battery run down/too much magnetic interference</div></div> <div><div>No Current Speed appears:</div><div>incomplete setting/incorrect clearance and-or distance between sensor and meter/incorrect wheel circumference/speed sensor not point to meter / weak battery/magnetic interference</div></div> <div><div>Fail to Start/Stop:</div><div>in ODO mode or setting phase not ready.</div></div> <div><div>Wrong value:</div><div>Execute ALL CLEAR/weak battery speed sensor /magnet interference</div></div>			
<div>Nearby any objects emitting electromagnetic waves (railway tracks,transmittingstations for television,digital LED light or other wireless speed sensor,etc.)</div> <div>Keep the unit away from any object that may be causing interference,andreset the data.</div> <div><div>meter loose:</div><div>bracket damaged or unsecured.</div></div> <div><div>Display delay:</div><div>weather is too cold below 0℃ or too hot over 50℃.</div></div> <div><div>Incorrect Calories value:</div><div>Incorrect weight setting or unit</div></div> <div><div>No Back-light or too dark:</div><div>battery run down</div></div> <div><div>Specification</div></div> <div><div>1.</div><div>Lithium Battery CR2032X2 / Sensor & meter : Lithium Battery CR2032</div></div> <div><div>2.</div><div>Battery Life:about 1 year (used for 1 hour/day, without turning on backlight)</div></div> <div><div>3.</div><div>This is the average figure of being used under 20℃ temperature and transmission distance in 60CM.</div></div> <div><div>4.</div><div>The factory-loaded battery life might be shorter if back light is frequently used.</div></div> <div><div>5.</div><div>Controller:4 bite 1 chip microcontroller. (crystal controlled oscillator)</div></div> <div><div>6.</div><div>Display, -HTN liquid crystal display</div></div> <div><div>7.</div><div>Sensor...magnetic sensor</div></div> <div><div>8.</div><div>Wheel circumference range:100mm-3999mm (Default value 2155mm)</div></div> <div><div>9.</div><div>Body Weight:0-350LBS & 0-160KG (KG default value</div></div>			
<div><div>45KGS/ pound default at 100 LBS)</div></div> <div><div>10.</div><div>Operating temperature:0℃ - 40℃(32℉ - 104℉)</div></div> <div><div>11.</div><div>Dimension.Weight...48X48X17mm / 25 - 30 gs</div></div> <div><div>12.</div><div>Battery life can vary depending on use and conditions such as environment, temperature, application, length of use, etc. Above information is factory standard. Please follow this user manual to maintain best performance.</div></div> <div><div>13.</div><div>The specification and design are subject to change without notice.</div></div> <div><div>Precaution:</div></div> <div><div>1.</div><div>This meter can be used in the rain but should not be started or used under water.</div></div> <div><div>2.</div><div>Don't leave the main unit exposed to direct sunlight when not riding the bike.</div></div> <div><div>3.</div><div>Don't disassemble the main unit or it's accessories.</div></div> <div><div>4.</div><div>Check relative position and gap of sensor and magnet periodically.</div></div> <div><div>5.</div><div>Check relative position of sensor and magnet periodically.</div></div> <div><div>6.</div><div>Don't use thinner, alcohol or benzine to clean the main unit or its accessories when they become dirty.</div></div> <div><div>7.</div><div>Follow local regulation on battery disposal. Consult a doctor immediately if a battery is swallowed.</div></div> <div><div>8.</div><div>DO NOT concentrate on computer while riding. Safety first.</div></div> <div><div>9.</div><div>Care for the Earth. Please recyle used batteries to designated place.</div></div> <div><div>10.</div><div>After computer adjustment, check sensor signal again.</div></div>			
<div><div>Maintenance</div></div> <div>To clean the computer and accessories: moisten a soft cloth in water, wipe clean, then wipe with a dry cloth. Inspect installation and magnet location for proper position and signal.</div> <div><div>Warranty</div></div> <div><div>1.</div><div>1 year warranty on computer and sensor only</div></div> <div><div>2.</div><div>If the product fails to work due to normal use, meter and sensor will be repaired or replaced at no charge.</div></div> <div><div>3.</div><div>To return the product, pack it carefully and enclose the warranty certificate (proof of purchase) with instruction for repair. Please write or type your name/address/contact, Insurance, handling and transportation charge shall be borne by person desiring service.</div></div> <div><div>4.</div><div>This warranty does not apply to product failure caused by accidents,abuse,mishandling,improper installation,alteration, acts of nature,improper usage or problems with electrical power. In addition,opening or tampering with the product casing or any physical damage,abuse or alteration to the product's surface will also avoid the product warranty.</div></div>			
<div><div>Have a safe and fun ride!</div></div> <div>http://www.giant-bicycles.com</div>			