Determining Wheel Circumference

In order for the Axiom Cyclocomputer to accurately compute distance and speed, you must enter your actual wheel circumference. There are two methods of determining your wheel circumference: 1) the Tire Size Chart Method or 2) the Roll Out Method (the Roll Out Method gives you a higher degree of accuracy).

Method 1 - Tire Size Chart Method

Using the chart below, locate the size of tire that you will be using on your front wheel. The wheel circumference (in mm) is shown to the right of the tire size.

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Wheel Circumference (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 x 1.10</td>
<td>1528</td>
</tr>
<tr>
<td>26 x 1.25</td>
<td>1525</td>
</tr>
<tr>
<td>26 x 1.35</td>
<td>1524</td>
</tr>
<tr>
<td>26 x 1.75</td>
<td>1513</td>
</tr>
<tr>
<td>26 x 1.95</td>
<td>1509</td>
</tr>
<tr>
<td>26 x 2.15</td>
<td>1504</td>
</tr>
<tr>
<td>26 x 2.20</td>
<td>1501</td>
</tr>
<tr>
<td>26 x 2.25</td>
<td>1496</td>
</tr>
<tr>
<td>26 x 2.35</td>
<td>1491</td>
</tr>
<tr>
<td>26 x 2.50</td>
<td>1486</td>
</tr>
</tbody>
</table>

Method 2 - Roll Out Method

Stand your bicycle upright. With your tire inflated to its proper pressure, rotate your wheel so that the valve is located at the bottom. Make a mark of the valve's location on the floor. Roll the bicycle one complete wheel revolution, in a straight line, until the valve is again at the bottom. Mark this new location of the valve on the corresponding point on the floor. Measure the distance between the marks, in millimeters (mm). This is the value of the wheel circumference that you need to program in to your computer.

Note: inches multiplied by 25.4 converts inches into mm; i.e. 1 inch = 25.4 mm.

Battery Installation and Replacement

Using a coin or screwdriver open the battery cover by twisting counterclockwise. Place the battery into the compartment with the positive side (+) facing up. Replace the battery cover.

Resetting the Computer

If the display shows irregular numbers, press the 4C (Auto Clear) button on the back of the unit. To clear the display on the 5.0, remove and reinstall the battery.

Trouble Shooting

If the speed display does not appear:

- Be sure the magnet and transmitter are properly aligned, and the distance between them is correct.
- Cadence model only: if the cadence (C) does not appear, check that alignment of the cadence magnet and sensor is correct.

If the display fades:

- Check the battery contacts. Replace the battery if necessary.

Replacing the Transmitter Battery On Wireless Models

Using a coin, open the transmitter battery cover by twisting counterclockwise. Place the battery into the compartment with the positive side (+) facing up. Replace the battery cover.

Waterproof

Your computer was designed to be waterproof. But if you do use the computer in the rain, it is recommended to dry it thoroughly with a dry cloth, making sure to remove the computer from the handlebar mount and drying between the computer and handlebar mount.

Initial Set Up

Your Axiom 8.0 will compute distance and speed functions in either miles or kilometers. After installing the battery the kilometer (km/h) and mile (m/h) symbols will alternately be displayed. When the desired measuring unit is displayed (i.e. km/h or m/h), press the gray button. The wheel circumference value of 2124 (or your latest wheel circumference setting) will then be displayed.

If you already know your wheel circumference go to - Programming Wheel Circumference, otherwise go to - Determining Wheel Circumference.

Programming Wheel Circumference and Odometer

When you know your wheel circumference, you are ready to program your wheel circumference into your computer.

If the computer is in the wheel circumference setup mode go to: The wheel circumference value... (fourth paragraph down).

If you are not in wheel circumference setup mode, press the gray button until the ODO, odometer, is displayed on the screen. Press the gray button for two seconds, the kilometer (km/h) and mile (m/h) symbols will alternately be displayed. When the desired measuring unit is displayed (i.e. km/h or m/h), press the gray button.

The wheel circumference value of 2124 (or your latest wheel circumference setting) will then be displayed.

If you already know your wheel circumference, go to - Programming Wheel Circumference, otherwise go to - Determining Wheel Circumference.

Programming Wheel Circumference and Odometer

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If you are not in wheel circumference setup mode, press the gray button until the ODO, odometer, is displayed on the screen. Press the gray button for two seconds, the kilometer (km/h) and mile (m/h) symbols will alternately be displayed. When the desired measuring unit is displayed (i.e. km/h or m/h), press the gray button.

The wheel circumference value of 2124 (or your latest wheel circumference setting) will then be displayed.

If you already know your wheel circumference, go to - Programming Wheel Circumference, otherwise go to - Determining Wheel Circumference.

If you must change the wheel circumference value, wait two seconds and the right digit will begin to increase. When the correct digit is displayed press the gray button, the next digit will automatically begin changing. Repeat this process until all four digits display the correct wheel circumference. In the miles mode, once completed you will be out of setup mode.

If you are using kilometer mode, the odometer, ODO, may be programmed. Once the wheel circumference is programmed, the odometer will be shown. Program the ODO in the same manner as the wheel circumference or, if the ODO reading is correct, press the gray button six times to exit set up mode.

Note 1: You cannot program the odometer, ODO, in miles mode.

Note 2: Your Axiom computer has the ability to easily convert miles into kilometers and visa versa. After you configure your initial settings, you may switch measuring units at any time. Press the gray button until the gray button twice and you will have converted units in your computer.
**Determining Wheel Circumference**

In order for the Axiom Cyclocomputer to accurately compute distance and speed, you must enter your actual wheel circumference. There are two methods of determining your wheel circumference: 1) the Tire Size Chart Method or 2) the Roll Out Method (the Roll Out Method gives you a higher degree of accuracy).

**Method 1 - Tire Size Chart Method**

Using the chart below, locate the size of tire that you will be using on your front wheel. The wheel circumference (in mm) is shown to the right of the tire size.

Example: for a tire size of 700x23c, the corresponding wheel circumference is 2086 mm. - 2086 is the number you need to program into your computer.

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Wheel Circumference (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 x 1.5</td>
<td>713</td>
</tr>
<tr>
<td>20 x 1.75</td>
<td>730</td>
</tr>
<tr>
<td>20 x 2</td>
<td>755</td>
</tr>
<tr>
<td>24 x 1.75</td>
<td>755</td>
</tr>
<tr>
<td>24 x 1</td>
<td>1528</td>
</tr>
<tr>
<td>24 x 1.95</td>
<td>1528</td>
</tr>
<tr>
<td>24 x 2</td>
<td>1528</td>
</tr>
<tr>
<td>24 x 2.25</td>
<td>1784</td>
</tr>
<tr>
<td>24 x 2.5</td>
<td>1794</td>
</tr>
<tr>
<td>24 x 2.75</td>
<td>1862</td>
</tr>
<tr>
<td>24 x 3</td>
<td>2032</td>
</tr>
<tr>
<td>24 x 3.5</td>
<td>2032</td>
</tr>
<tr>
<td>24 x 4</td>
<td>2096</td>
</tr>
<tr>
<td>24 x 5</td>
<td>2096</td>
</tr>
</tbody>
</table>

**Method 2 - Roll Out Method**

Stand your bicycle upright. With your tire inflated to its proper pressure, rotate your wheel so that the valve is located at the bottom. Make a mark of the valve’s location on the floor. Roll the bicycle one complete wheel revolution, in a straight line, until the valve is again at the bottom. Mark this new location of the valve on the corresponding point on the floor. Measure the distance between the marks, in millimeters (mm). This is the value of the wheel circumference that you need to program in to your computer. (Note: inches multiplied by 25.4 converts inches into mm; i.e. 1 inch = 25.4 mm).

**Battery Installation and Replacement**

Using a coin or screwdriver, open the battery cover by twisting counterclockwise. Place the battery into the compartment with the positive side (+) facing up. Replace the battery cover. When no battery is in the unit, stored information will be preserved for approximately 15 seconds.

For 5.0: Use a screwdriver to remove the battery cover.

Use battery type 2032 (or equivalent) as replacement for the computer.

**Resetting the Computer**

If the display shows irregular numbers, press the AC (Auto Clear) button on the back of the unit. If the speed display does not appear:

Press the gray button twice and you will have converted units in your computer.

If you are using kilometer mode, the odometer, ODO, may be programmed. Once the wheel circumference is programmed, the odometer will be shown. Program the ODO is the same manner as the wheel circumference.

If you must change the wheel circumference value, wait two seconds and the right digit will begin to increase. When the correct digit is displayed press the gray button, the next digit will automatically begin changing. Repeat this process until all four digits display the correct wheel circumference. In the miles mode, once completed you will be out of setup mode.

**Trouble Shooting**

If you must change the odometer value, wait two seconds and the right digit will begin to increase. When the correct digit is displayed press the gray button, the next digit will automatically begin changing. Repeat this process until all four digits display the correct wheel circumference. In the miles mode, once completed you will be out of setup mode.

**Replacing the Transmitter Battery On Wireless Models**

Using a coin, open the transmitter battery cover by twisting counterclockwise. Place the battery into the compartment with the positive side (+) facing up. Replace the battery cover.

Use only a alkaline 23A, 12V battery as replacement. Use battery type MN21, 23A, 12V as replacement for the transmitter.

**Wired Cyclocomputer**

**Initial Set Up**

Your Axiom 5.0 will compute distance and speed functions in either miles or kilometers. After installing the battery the kilometer (km/h) and mile (m/h) symbols will automatically be displayed. When the desired measuring unit is displayed (i.e. km/h or m/h), press the gray button. The wheel circumference value of 2124 (or your latest wheel circumference setting) will then be displayed.

If you already know your wheel circumference go to - Programming Wheel Circumference, otherwise go to Determining Wheel Circumference.

**Programming Wheel Circumference and Odometer**

When you know your wheel circumference, you are ready to program your wheel circumference into your computer.

If the computer is in the wheel circumference setup mode go to The wheel circumference value ... (forth paragraph down).

If you are not in wheel circumference setup mode, press the gray button until the ODO, odometer, is displayed on the screen. Press the gray button for two seconds, the kilometer (km/h) and mile (m/h) symbols will automatically be displayed. When the desired measuring units are displayed (i.e. km/h or m/h), click the gray button.

The wheel circumference value of 2124 (or your latest wheel circumference setting) will be displayed.

If the wheel circumference value shown is correct, press the gray button within 2 seconds to complete setup mode.

If you must change the wheel circumference value, wait two seconds and the right digit will begin to increase. When the correct digit is displayed press the gray button, the next digit will automatically begin changing. Repeat this process until all four digits display the correct wheel circumference. In the miles mode, once completed you will be out of setup mode.

If you are using kilometer mode, the odometer, ODO, may be programmed. Once the wheel circumference is programmed, the odometer will be shown. Program the ODO is the same manner as the wheel circumference or, if the ODO reading is correct, press the gray button six times to exit set up mode.

**Note 1:** You cannot program the odometer, ODO, in miles mode.

**Note 2:** Your Axiom computer has the ability to easily convert miles into kilometers and vice versa. After you configure your initial settings, you may switch measuring units at any time. Press the gray button until press the gray button twice and you will have converted units in your computer.

**Wireless Cyclocomputer**

**Initial Set Up**

Your Axiom 5.0 will compute distance and speed functions in either miles or kilometers. After installing the battery the kilometer (km/h) and mile (m/h) symbols will automatically be displayed. When the desired measuring unit is displayed (i.e. km/h or m/h), press the gray button. The wheel circumference value of 2124 (or your latest wheel circumference setting) will then be displayed.

If you already know your wheel circumference go to - Programming Wheel Circumference, otherwise go to Determining Wheel Circumference.

**Programming Wheel Circumference and Odometer**

When you know your wheel circumference, you are ready to program your wheel circumference into your computer.

If the computer is in the wheel circumference setup mode go to The wheel circumference value ... (forth paragraph down).

If you are not in wheel circumference setup mode, press the gray button until the ODO, odometer, is displayed on the screen. Press the gray button for two seconds, the kilometer (km/h) and mile (m/h) symbols will automatically be displayed. When the desired measuring units are displayed (i.e. km/h or m/h), click the gray button.

The wheel circumference value of 2124 (or your latest wheel circumference setting) will be displayed.

If the wheel circumference value shown is correct, press the gray button within 2 seconds to complete setup mode.

If you must change the wheel circumference value, wait two seconds and the right digit will begin to increase. When the correct digit is displayed press the gray button, the next digit will automatically begin changing. Repeat this process until all four digits display the correct wheel circumference. In the miles mode, once completed you will be out of setup mode.

If you are using kilometer mode, the odometer, ODO, may be programmed. Once the wheel circumference is programmed, the odometer will be shown. Program the ODO is the same manner as the wheel circumference or, if the ODO reading is correct, press the gray button six times to exit set up mode.

**Note 1:** You cannot program the odometer, ODO, in miles mode.

**Note 2:** Your Axiom computer has the ability to easily convert miles into kilometers and vice versa. After you configure your initial settings, you may switch measuring units at any time. Press the gray button until press the gray button twice and you will have converted units in your computer.

**Waterproof**

Your computer was designed to be waterproof. But if you do use the computer in the rain, it is recommended to dry it thoroughly with a dry cloth, making sure to remove the computer from the handlebar mount and drying between the computer and handlebar mount.
Displaying and Setting the Clock

To display the clock, press ODO, the odometer button (in any mode) for two seconds.

- To set the clock, press the MODE button (in any mode) for two seconds, then hold the MODE button until the time symbol (h) is displayed. Then press the RED button to select hours. Then press the RED button to select minutes. You now get to ODO. Press and hold both buttons for two seconds. Using the MODE button select the desired hour format, 12 or 24. Once you have selected the hour format, press the RED button to exit set up mode. The light turns off after eight seconds. Note: If the clock is blinking, the clock is automatic and you can not change the time.

To display the clock, press ODO, the odometer button (in any mode) for two seconds.

- To set the clock, press the MODE button (in any mode) for two seconds, then hold the MODE button until the time symbol (h) is displayed. Then press the RED button to select hours. Then press the RED button to select minutes. You now get to ODO. Press and hold both buttons for two seconds. Using the MODE button select the desired hour format, 12 or 24. Once you have selected the hour format, press the RED button to exit set up mode. The light turns off after eight seconds. Note: If the clock is blinking, the clock is automatic and you can not change the time.

Computer Functions

- Press the MODE button to cycle through the functions. In all modes (except Set up) current speed is displayed in the upper portion of the screen.
- Note: To conserve battery power, the computer turns off automatically after four minutes.

Displaying and Setting the Clock

To display the clock, press ODO, the odometer button (in any mode) for two seconds.

- To set the clock, press the MODE button (in any mode) for two seconds, then hold the MODE button until the time symbol (h) is displayed. Then press the RED button to select hours. Then press the RED button to select minutes. You now get to ODO. Press and hold both buttons for two seconds. Using the MODE button select the desired hour format, 12 or 24. Once you have selected the hour format, press the RED button to exit set up mode. The light turns off after eight seconds. Note: If the clock is blinking, the clock is automatic and you can not change the time.

Note: To conserve battery power, the computer turns off automatically after four minutes.

Computer Functions

- Press the MODE button to cycle through the functions. In all modes (except Set up) current speed is displayed in the upper portion of the screen.
Displaying and Setting the Clock

To display the clock, press the MODE button (in any mode) for two seconds.

To set the clock, press the MODE button for two seconds. Press the MODE button to select between 12 and 24 hour.

Note 1: To reset AVS to zero, go to AVS mode, then press the RED button for two seconds. MXS, ATM (or TM) and DST will also reset to zero.

Note 2: When the wheel is spinning, current speed vs. average speed comparison is displayed. Maximum speed. This function displays maximum speed. Maximum speed is automatically reset when you reset the trip distance.

Displaying and Setting the Clock

To display the clock, press the MODE button (in any mode) for two seconds.

To set the clock, press the MODE button for two seconds. Press the MODE button to select between 12 and 24 hour. Choose an hour format, then press the RED button. The hours digits will now be flashing. Press the MODE button to adjust the hour. When the correct hour is shown, press the RED button. The hours digits will still be flashing. Press the MODE button to adjust the minutes. When the correct minutes are shown, press the RED button to exit set up mode.

Computer Functions

Press the MODE button to cycle through the functions. In all modes (except Set Up) current speed is displayed in the upper portion of the screen.

CLK: Clock with 12 or 24-hour display. Press the MODE button for two seconds in any mode to display clock. See - To set the clock (two paragraphs above) to program the clock.

AVS: Average speed. This function displays average speed which is equal to trip distance over trip time.

Note 1: To reset AVS to zero, go to AVS mode, then press the RED button for two seconds. MXS, ATM (or TM) and DST will also reset to zero.

Note 2: When the wheel is spinning, current speed vs. average speed comparison is displayed. Maximum speed. This function displays maximum speed. Maximum speed is automatically reset when you reset the trip distance.

Displaying and Setting the Clock

To display the clock, press the MODE button (in any mode) for two seconds.

To set the clock, press the MODE button for two seconds. Press the MODE button to select between 12 and 24 hour.

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Displaying and Setting the Clock

To display the clock, press the MODE button (in any mode) for two seconds.

To set the clock, press the MODE button for two seconds. Press the MODE button to select between 12 and 24 hour.

Note 1: To reset AVS to zero, go to AVS mode, then press the RED button for two seconds. MXS, ATM (or TM) and DST will also reset to zero.

Note 2: When the wheel is spinning, current speed vs. average speed comparison is displayed. Maximum speed. This function displays maximum speed. Maximum speed is automatically reset when you reset the trip distance.
Mounting the Computer

The sensor should be mounted to the right fork blade. Using the cable ties, mount the sensor approximately halfway up the fork blade, but do not tighten yet. Mount the magnet to a spoke directly opposite the sensor. Line up the magnet so that it is centered between the top and bottom lines on the sensor. Tighten the spoke magnet screw, taking care not to overtighten it. See Diagram 2. The distance between the magnet and the sensor should be 2 mm or less. Once the sensor is positioned properly and centered on the magnet, pull the cable ties tight. Recheck the sensor for proper alignment.

Route the cable upward (either winding it around the fork blade or laying it in a straight line on the outside of the fork blades). Wind the cable around the front brake cable. Be sure to leave enough slack so that the computer cable will not interfere with the handbrake mechanism. Secure the cable to your fork blade with cable ties. Note: Do not route the sensor cable along lighting wires/cables. This may cause the computer not to function properly.

Secure the mount to your handlebars, using a rubber shim if necessary. See Diagram 3. Slide the computer forward into the mounting unit until it snaps into place with an audible “click.” Check that alignment of the magnet and transmitter is correct. The current speed display should show a reading. To remove your computer from its mount, depress the tab underneath the unit and slide it towards you.

Mounting the Computer & Transmitter

The transmitter unit should be mounted on the front side of the right fork blade, with the battery cover pointed upwards. The maximum distance between the computer and transmitter should be no more than 24 inches (60 cm). The transmitter should be mounted as close to the computer as possible.

Position the transmitter unit on the fork blade using the rubber transmitter mount and cable ties, but do not tighten it yet. See Diagram 1. Mount the magnet to a spoke directly opposite the transmitter. Line the magnet up so that it is centered on the positioning line on the transmitter. Tighten the spoke magnet screw, taking care not to overtighten it. See Diagram 2. The distance between the magnet and the transmitter unit should be 2 mm or less. Once the transmitter is positioned properly, pull the cable ties tight. Recheck the transmitter for proper alignment.

Secure the mount to your handlebars, using a rubber shim if necessary. See Diagram 3. Slide the computer forward into the mounting unit until it snaps into place with an audible “click.” Check that alignment of the magnet and transmitter is correct. The current speed display should show a reading. To remove your computer from its mount, depress the tab underneath the unit and slide it towards you.

DST: Odometer. This function displays your total distance traveled. See - If you must change the odometer mode...to change the odometer value.

DST: Trip distance. This function calculates your total trip distance. To reset DST to zero, go to DST mode, then press the RED button for two seconds. AVS, MAX, ATM (or TM) will also reset to zero.

Odometer: This function displays your total distance traveled. See - If you must change the odometer mode...to change the odometer value.

Battery Installation and Replacement

Using a coin or screwdriver, open the battery cover by twisting counterclockwise. Place the battery into the compartment with the positive side (+) facing up. Replace the battery cover. When no battery is in the unit, stored information will be preserved for approximately 15 seconds.

For 5.0: Use a screwdriver to remove the battery cover. Use battery type 332 (or equivalent) as replacement for the computer. The 5.0 uses a 476 (or equivalent) battery.

Replacing the Transmitter Battery On Wireless Models

Use battery type 332 (or equivalent) as replacement for the transmitter.