**WARNINGS & CAUTIONS**

- Vetta cycle computers are sophisticated electronic instruments. Vetta recommends that this product be installed only by a qualified bicycle retailer. Failure to read these instructions and/or improper installation of this product may result in the warranty. In doubt about any aspect of the installation or operation of this product, contact your local bicycle retailer for clarification.
- The head unit is water resistant and sealed to withstand wet weather conditions. However, do not deliberately place it in water. Avoid leaving the head unit exposed to extremely hot weather conditions.
- Vetta encourages you to ride safely. Wear a helmet every time you ride, use front and rear lights at night, and always keep your eyes on the road ahead of you.

**FUNCTIONS / FEATURES**

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<th>RT Classic</th>
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<tr>
<td>Speed (Avg. Max)</td>
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<tr>
<td>Cumulative Distance</td>
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<tr>
<td>Trip Distance</td>
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<tr>
<td>Freeze Frame Memory</td>
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<td>12/24 Hour Clock</td>
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<td>Wrench/handles Front Cover</td>
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<td>EZ Tire Setup</td>
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<td>Service Timer</td>
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</tbody>
</table>

**ILLUSTRATIONS**

**HEAD UNIT (RT Classic)**

1. Upper Display (Speed)
2. Service Timer Icon
3. Speed / Distance Units
4. Lower Display
5. Function Icons
6. Service Timer Icon
7. Mode / Advance Button (Right)
8. Set / Select Button (Left)
9. Head Unit Battery (CR2032, 3-Volt)
10. Head Unit Battery Compartment
11. Battery Cover
12. Battery Compartment
13. Contact Points

**HEAD UNIT (RT233)**

1. Button
2. Button
3. Main Display
4. Contact Pins
5. Battery Compartment
6. Battery Cap

**BATTERY INSTALLATION**

- The Head Unit uses a CR2032 3-Volt Lithium button cell battery.
- Battery Run Time (1 hour training / day): Approx. 12 months
- Important: Most cycle computer problems are caused by weak or dead batteries. See the Trouble Shooting section near the end of the manual for details.

**INSTALLATION**

- Important: Use the tips provided with the package (NCT ZIP-TIES) to hold wires to the frame, fork, bars or stem to avoid damaging or cutting the wires accidentally. Make sure excess wire is taped down or wrapped around brake cable housing to secure it.

**WIND-UP SENSOR & MAGNET**

- Attach the Wired Speed Sensor with the Zip-Ties supplied and tighten the Bladed Spoke Magnet to the bicycle. Mounting the sensor as high up on the fork leg as possible. (see Fig.A)
- Adjust the sensor and magnet spacing with the Spacer. Remove the Spacer after tightening the Zip-Ties down to hold the sensor in its final position.

**SET SERVICE TIMER**

- Service Timer could be programmed with a selected number of ride time hours as the interval for servicing the bicycle or any component on it, such as a front or rear shock.
- Accumulated Ride Time is displayed on the upper line and Service Time is displayed on the lower line. To set the service time, press Button #2 to advance hour digits. (The hour digits appear on the lower level with the right hand digit flashing.) Press Button #1 to select and advance to next digit. (Maximum hour setting 1999 hours)
- The default setting for the Service Time is “0000 hours”, which means the Service Timer is turned off.

- Service Timer could be programmed with a selected number of ride time (hours or days) or distance as the interval for servicing the bicycle or any component on, it, such as a front or rear shock.
- The default settings “0000” means the Service Timer is turned off.
- Press & hold flashing hr (hour), day or dist (distance) as the Service Time unit. Press Button #1 to select the desired Service Time unit.
- When the desired Service Time unit has been chosen, press & hold to scroll the flashing digit to the desired number. Press & hold this number and advance to next digit. Repeat this procedure until all digits are selected.
- Press to advance the next setup Mode. (Maximum settings: hour / day / distance=1999 / 199 / 9999)

**SERVICE TIMER**

- RT Classic
- RT233
- Service Timer could be programmed with a selected number of ride time, time hours as the interval for servicing the bicycle or any component on it, such as a front or rear shock.
- Important: Computer CANNOT exit during the Setup Mode until all the Basic Settings are finished.

**MOUNTING BRACKET & HEAD UNIT**

- Attach Mounting Bracket to the handlebar on the “Sensor Side”. Adjust its position to your liking and tighten the screw.
- Slide the Head Unit into the Wired Mounting Bracket as shown until it clicks into position. Remove by pressing in the locking tab as shown.
- Note: Secure wire with tape supplied and by winding it around cables. Be sure to leave enough slack in the wire to accommodate the movement of fork and handlebars.

**INSTALLATION TESTS**

- Once installation is complete, the computer should be tested to make sure it is working properly.
- Step 1: Advance the computer to the SPD screen mode using Buttom #2.
- Step 2: Pick up the front of the bicycle and spin the front wheel or ride the bicycle a short distance.
- The LCD should display a speed reading within 2-3 seconds.
- If there is no speed reading, check the alignment and spacing between the magnet and sensor.
- Make sure that the Head Unit is completely locked into position. If these checks do not solve the problem, talk to an Authorized Vetta’s Retailer or contact to www.vetta.com/support.asp.

**SETUP & PROGRAMMING**

- In setup, Button #1 is used to select or set a value and to advance to the next digit or Mode. Button #2 is used to switch between settings and to increase values.
- Initial Setup
- RT233 (RT Classic) is programmed to enter the Initial Setup Mode after new battery replacement.
- In the Initial Setup, riders can program the basic Settings for the computer, the content of settings are same as NOM Setup for Basic Settings.
- NOM Setup
- After completed the Initial Setup, riders can change any values or correct any errors by re-entering the NOM Setup. To enter the NOM Setup Mode, press & hold button simultaneously when the lowest screen is in the aclk Mode.
- Important: Computer CANNOT exit during the Setup Mode until all the Basic Settings are finished.

**SET SPEED/DISTANCE SCALE**

- Press #2 to switch between “Mph” and “Km/hr” and Button #1 to selected units and advance. (To change units in SPD / ODOM screen mode, press and hold Buttons #1 and #2 simultaneously for 2 seconds until “Mph” begins to flash).
Press ( ) to toggle between flashing circ (circumference) and tire (tire type). Press ( ) to select the desired and advance the settings.

**Wheel TIRE SIZE (RT Classic)**

- Press ( ) to toggle between flashing circ (circumference) and tire (tire type). Press ( ) to select the desired and advance the settings.
- Press #2 to advance digits as needed and #1 to select circumference figure from Wheel Reference Chart.

**DST**

- Displays trip distance of current ride to a maximum of 999.9 miles or kilometers. It is accurate to 0.1 Mile or K.M.
- Note: When the Trip Distance exceeds 999.9 miles (kilometers), symbol ‘E’ appearing indicates that further measurement is impossible.

**ODD**

- The odometer displays distance to 99999 Miles or kilometers. It is accurate to 1.0 Mile or K.M.

**CLK**

- Time is displayed in user-selected 12 / 24 hour formats.

**ODMETER (RT Classic)**

- The odometer displays distance to 99999 Miles or kilometers. It is accurate to 1.0 Mile or K.M.

**RT Classic**

- Blinking winker icon alerts rider the Service Time is reached. To view or reset Accumulated Ride Time and Service Time, press and hold Buttons #1 and #2 for 2 seconds in the SPD/CLK screen mode.

**SPD**

- Speed is shown at all times on upper display. It is accurate to 0.1 M/hr or K.M/hr and the maximum reading is 155.0 M/hr or 199.9 K.M/hr.

**ODD**

- The odometer displays distance to 99999 Miles or kilometers. It is accurate to 1.0 Mile or K.M.

**DST**

- Displays trip distance of current ride to a maximum of 999.9 miles or kilometers (0.1 mile / km).

**OTHER FEATURES**

- Computer enters Sleep Mode after 5 minutes without input from buttons or speed sensor and displays the time. Computer exits Sleep Mode and returns to screen last displayed with input from buttons or wheel.

**FUNCTIONS**

- Press ( ) to scroll the lower screen Modes. To enter the NOM Setup Mode, press & hold ( ) simultaneously for 2 seconds when the lowest screen is in the CLK Mode; To reset Ride Data to zero, press & hold ( ) and ( ) simultaneously for 2 seconds when the lowest screen is in the DST Mode.

**SPD**

- Speed is shown at all times on upper display. It is accurate to 0.1 M/hr or K.M/hr and the maximum reading is 139.9 M/hr or 199.3 K.M/hr.

**SERVICE TIMER( )**

- Blinking ( ) alerts rider the Service Time is reached.

**ALL CLEAR RESET**

- All Clear Reset: Remove battery and reinstall. When you remove the battery, all data and all time and odometer setting will be cleared. When battery is reinstalled, computer will automatically enter the Setup program.

**TROUBLE SHOOTING**

- Current speed reading is erratic or does not appear. Check the alignment of the wheel magnet and sensor, and the distance between the two components. Realign the magnet and sensor with the spacer.
- Current speed reading is erratic or does not appear. Inspect the wiring for any breaks or kinks. Replace mounting bracket and sensor as needed.
- Incorrect data appears on screen during operation. Accuracy of the Setup data may be a problem (wheel size setting, etc.).
- Data display is extremely slow. Computer LCD does not like extremely low temperatures. Operating range is: 0°C to 50°C or 32°F to 122°F. Return the computer to a warmer climate.
- Screen is dark and display characters look “strange”. Computer screens do not like to be left in direct sunlight for extended periods of time. Move the computer into the shade until the screen recovers. No effect on data.
- Screen reading is weak or fading. Screen readings are erratic and read too high or too low.
- Screen “frozen”, no response to buttons. Symptom of a weak battery. Replace the battery.
- No display whatsoever. Battery is completely dead or not installed. Replace or install the battery.

**WARRANTY POLICY**

- ACUMEN INC. WARRANTS ALL VETTA THE COMPANY) PRODUCTS AGAINST MANUFACTURER DEFECTS FOR A PERIOD OF 3 YEARS. Subject to the following limitations, terms and conditions, components will be free of manufacturing defects in materials and workmanship. The 3 year limited warranty is conditioned upon the components being used and operated in normal riding conditions. This warranty does not cover normal wear and tear (i.e. battery replacement, broken wire), rider abuse, acts of God, improper installation or product alteration.

**RETURN POLICY**

- 1. Prior to shipping an item back, you must first obtain a Return Authorization Number (RA#). Each item being returned must have an individual RA#.
- 2. To obtain an RA#, you must either contact the retailer where the product was originally purchased from, or contact VETTA directly at customer service @ vetta.com.
- 3. For trouble shooting purposes, we request that the complete unit with packaging be returned to ACUMEN INC, unless otherwise stated by VETTA representative.
- 4. The Company is not responsible for loss or additional damages while in transit to ACUMEN INC.
- 5. Clearly mark the RA# on the outside of the return packaging. All items without an RA# will be refused and returned to the return address on the package.

**REQUIREMENTS FOR WARRANTY SERVICING**

- All Clear Reset: Remove battery and reinstall. When you remove the battery, all data and all time and odometer setting will be cleared. When battery is reinstalled, computer will automatically enter the Setup program.
- To conserve battery life, computer enters Sleep Mode after 5 minutes without input from buttons or speed sensor and displays the time. Computer exits Sleep Mode and returns to screen last displayed with input from buttons or wheel.