

VETTN®

V30



CYCLE COMPUTER OWNER'S MANUAL
ENGLISH

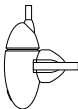
INTRODUCTION

Congratulations on your purchase of the new Vetta V-30 cycle computer. The V-30 is designed to be the simplest, smallest computer that you can own. The unique Vetta buttonless design allows easy programming and operation. The Auto Scan feature of the V-30 keeps you updated on current speed, trip distance, and total distance automatically every three seconds. No buttons to push!

COMPONENT ILLUSTRATIONS



Head Unit



Sensor



Bracket



Battery



Magnet

FUNCTION LIST



SPEEDOMETER (SPD) (Mi/hr or Km/hr)

Tells you your current speed on the upper line of the display screen at all times.

Speed	0-30Mi/hr	31-60Mi/hr	Over 60Mi/hr
	0-30Km/hr	31-60Km/hr	Over 60Km/hr
Minimum Display Speed	0.1Km/hr-Mi/hr	0.5Km/hr-Mi/hr	1Km/hr-Mi/hr

CUMULATIVE ODOMETER (ODO)

Tells you your cumulative distance until the unit is reset by removing and reinstalling the battery, or until the unit passes 9999.9 mi. or km.



TRIP ODOMETER (DST)

Tells you the distance for your current ride from 0 to 999.99 mi. or km. Automatically resets after 999.99 mi. or km. or after 6 hours of continuous non-use. Trip Odometer will commence automatically when the bicycle wheel begins to rotate.

FEATURE LIST

AUTO SCAN

The Vetta V-30 computer is programmed to automatically scan between the trip distance and total distance readings on the bottom line of the dual display. Current speed is displayed at all times in large digits on the top line of the display.

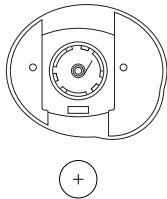
AUTO POWER SAVING MODE (AUTO START-STOP)

When you stop using the computer for 10 minutes (no signal input for 10 continuous minutes), the display will disappear and the unit will automatically go into power saving mode. When the unit begins to receive a signal again (wheel in motion) it will automatically switch from power saving mode and display all functions.

AUTO DATA CLEARING

When the computer is not used for 6 hours, all of the current trip distance data stored in memory will be erased. Wheel circumference and cumulative odometer data will be retained. When the computer is used next, speed and trip distance will commence from zero.

BATTERY INSTALLATION



LR44 1.5v Battery

The V-30 uses a common **LR44 1.5v** button cell battery. Replacement batteries are available at most camera shops and from your Vetta retailer. Under normal usage a battery should last approximately one year. **NOTE:** *Most problems that occur with cycle computers are caused by dead or weak batteries. If you are having problems with your computer's operation, check and replace the battery first.*

STEP 1

Remove the battery cover from the bottom of the computer by turning the battery cap counterclockwise with a coin.



STEP 2

Install the battery into the battery compartment with the positive (+) side of the battery facing the compartment door. Be careful when you are installing the battery not to bend any of the battery contacts.

STEP 3

Screw the battery cap firmly into place. Make sure that the rubber o-ring seal does not get pinched or distorted in this operation as this may compromise the waterproofing of the unit.

WARNINGS AND CAUTIONS

-  **CAUTION** 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.
-  **CAUTION** 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 improper installation of this device may void the warranty. If you are in doubt about any aspect of the installation or operation of this product, consult your local bicycle retailer for clarification.

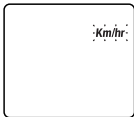
PROGRAMMING THE COMPUTER HEAD

Now that you are familiar with the functions and features of your Vetta V-30 cycle computer, you are ready to begin programming the unit specifically for your bike. Take a few minutes to familiarize yourself with the unit and its operation before you proceed to program the unit.

IMPORTANT: *When you program the V-30 unit, it will automatically advance through the programming functions as each number or increment is selected. To advance the numbers in a function setting, put the magnet directly on the sensor. This will advance the digits or units you are trying to “set”. To select the number that you desire, remove the magnet from the sensor while that number or unit is displayed.*

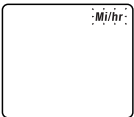
SETTING MILES/HOUR OR KILOMETERS/HOUR

The Vetta V-30 computer is capable of being programmed to display readouts in either miles or kilometers.



STEP 1

After installing the battery, the computer will momentarily display a diagnostic test pattern screen and then advance quickly to the miles or kilometers setting mode indicated by a flashing "Km/hr" icon.



STEP 2

Insert the head unit into the handlebar mounting bracket and place the magnet directly on the wheel sensor. Miles and kilometers icons will be displayed alternately on the screen.

STEP 3

When the distance unit that you would like to select is displayed, remove the magnet from the wheel sensor to set your selection. The computer will then automatically advance to the wheel size setting mode.

NOTE: *If you make a selection error while programming your computer or would like to change any of your previously programmed settings, you must remove and then reinstall the battery and start over. All settings will return to their original default values. You can then reprogram the computer.*

DETERMINING YOUR CORRECT WHEEL SIZE

Vetta cycle computers are programmed using the circumference of the wheel measured in millimeters. Note that while your computer can be programmed to +/- 1mm for total accuracy, discrepancies of as much as 50mm or more will not have a significant effect on the accuracy of the unit for most normal rides.

The following chart lists the programming sizes for many of the most popular wheel sizes currently in use. These numbers are estimations and may vary slightly from the size of your actual wheel depending on the manufacturer of the tire that you are using.

TIRE SIZE	CIRC.	TIRE SIZE	CIRC.	TIRE SIZE	CIRC.
26 x 1.7	2035	27 x 1-1/4	2180	700 x 25c	2124
26 x 1.9	2055	650 x 20c	1945	700 x 28c	2140
26 x 2.0	2075	650 x 23c	1990	700 x 32c	2155
26 x 2.1	2095	700 x 20c	2074	700 x 38c	2170
27 x 1.0	2140	700 x 23c	2114	700c Tubular	2130

WHEEL SIZE CALCULATION

If the wheel size of your bike is not listed in the chart, follow these simple steps to calculate the wheel circumference number for your bike.

STEP 1

Measure the distance from the center of the front axle to the ground in millimeters. If you are measuring in inches, simply multiply the number of inches by 25.4 to get millimeters. If you want total accuracy, make this measurement while you are sitting on the bike.

STEP 2

Multiply the above number by 6.2832 (2π). The result is your wheel circumference calculated in millimeters.

STEP 3

Enter this resulting number into the computer (see next instructions).

PRESET VALUE

The V-30 has a factory preset wheel size value of 2155 (700 x 32c).

PROGRAMMING YOUR WHEEL SIZE



STEP 1

Once you have selected miles or kilometers, the V-30 will automatically advance to the wheel size setting mode indicated by the four digit default number 2155.

STEP 2

The right hand digit (5) will begin flashing. Place the magnet on the wheel sensor to advance through the digits (5,6,7...). When the digit that you want is displayed, remove the magnet from the sensor to set your selection. The computer will automatically advance to the next digit (5) and it will begin flashing.

STEP 3

Repeat this process until all four digits are correctly selected. The computer will then advance into Auto Scan mode, alternately displaying the two primary screens.

MAGNET AND SENSOR INSTALLATION

We recommend that you install your V-30 in the following manner, starting with the sensor unit on the fork and working up to the mounting bracket on the handlebar.

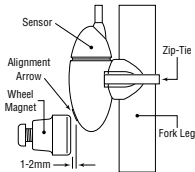
STEP 1

Mount the Vetta universal sensor loosely (so that you can slide it around) to the fork blade using the zip-tie provided. The sensor can be mounted at any point along the fork. However, we recommend a position on the back side near the top of the left fork blade. This position will help protect the sensor from being hit by rocks, tree branches and other objects.

STEP 2

Again, loosely attach the sensor magnet to one of the spokes on the left side of the front wheel. Adjust the magnet and sensor positions by sliding both pieces around until you get the sensor as high on the fork blade as possible while still maintaining the necessary magnet-to-sensor spacing (1-2mm).

NOTE: The magnet should pass within 1-2mm of the sensor, and the top of the magnet should be no higher than the top of the small arrow molded into the face of the sensor.



Sensor Diagram

STEP 3

Route the sensor wire up the back of the fork, securing it with electrical tape.



CAUTION Do not use zip-ties to secure the sensor wire to the bike because doing so may result in cut or broken wires.

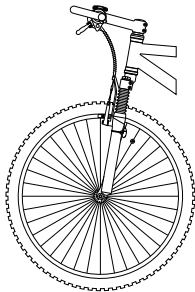


CAUTION Be sure to leave enough slack in the wire to allow for the steering motion of the bike and the action of the suspension fork, if you have one.

STEP 4

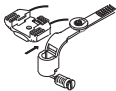
Carefully wrap any excess sensor wire around the front brake cable housing, securing with electrical tape when necessary. When you are finished, you should have just enough slack for the computer mounting bracket to attach to the handlebar.

Check to make sure that all of the excess sensor wire is either taped down or wrapped around the brake cable housing so that nothing can catch on it while you are riding.



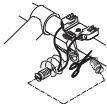
Wiring Diagram

HANDLEBAR BRACKET AND HEAD UNIT INSTALLATION



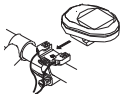
STEP 1

Attach the computer mounting bracket to the mounting band by sliding the disc on the top of the mounting band into the slot provided on the bracket until it snaps into place.



STEP 2

Cut the plastic screw from the mounting band and place the mounting band on the handlebar/stem with the mounting bracket facing up. Wrap the mounting band around your handlebar/stem and through the slot on the other side of the bracket, taking up as much slack as possible. Insert the screw into the slot as shown and tighten the band with a screwdriver.



STEP 3

The head unit of the V-30 is designed to lock into its bracket. Slide the computer from the front to the back until you hear an audible “snap” indicating the unit is locked firmly in place.

STEP 4

Adjust the unit on the handlebar/stem until you are satisfied with its position, then tighten the screw until the mounting band is secure.



STEP 5

Cut off the excess band.



CAUTION

Do not overtighten the mounting band as this may result in breakage (stripped screw or mounting band). The mounting band only needs to be tightened enough to keep it from rotating on the handlebar/stem during normal riding.

INSTALLATION TEST

Once you have finished with the installation procedure, you are ready to test the unit to make sure that it works.

STEP 1

Make sure that the computer head is locked firmly into the mounting bracket.

STEP 2

Pick up the front of the bicycle and spin the front wheel. The computer should register speed within 1-2 seconds. If you do not get a speed reading, check to be sure that the magnet and sensor alignment is correct and that the space between the magnet and sensor is 1-2mm or less. If this does not solve the problem, talk to your Authorized Vetta Retailer. In the United States Vetta customers can call our service hotline at 1.800.GO.VETTA.

WARRANTY

The Vetta companies, including Vetta USA Limited and A.H. Vetta Group Limited, warrant all Vetta products, to the original purchaser, to be free of defects in materials or workmanship for a period of one year from the original date of purchase. Vetta will, at its sole discretion, repair or replace any product deemed defective. This express warranty is in lieu of all other warranties, either expressed or implied. Any warranties of merchantability or fitness for a particular purpose are limited to the one year duration of the above express warranty. Vetta will not be held liable for any incidental or consequential damages.

WARRANTY RETURN AND REPAIR POLICY

If you ever experience a problem with the function of your Vetta V-30 cycle computer, please visit your local Authorized Vetta Dealer for assistance.

Should you experience a problem with your Vetta V-30 cycle computer that can not be solved by your local Authorized Vetta Dealer, please follow the simple steps on the following pages to assure quick and efficient processing of your claim.

STEP 1

Fill out the warranty information card within this manual.

STEP 2

Contact the appropriate Vetta Customer Service Center listed below for help and to obtain a Return Authorization Number (RA Number).

STEP 3

Send the unit and information card back to the appropriate Vetta Customer Service Center, together with the original copy of your purchase receipt and a detailed explanation of the problem you are experiencing. Please be sure to write the Return Authorization Number (RA Number) on your return package.

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WARRANTY INFORMATION CARD

Name

Address

Phone/Fax Number

RA Number

Date of Purchase

Place of Purchase

Problem