



Veloset GPS Cycle & Sports Data Computer



- ➔ GPS Cycle and Multi-sports Wireless Computer
- ➔ Performance Monitor & Track Geo tagging software
- ➔ Speed, Altitude, Time, ODO, Trip time, Trip distance, Maximum speed and Average speed

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Veloset VS-600 GPS Introduction

The Veloset VS-600 GPS is the brand-new and high sensitivity GPS device for cyclist's and sports enthusiasts from Veloset. It is a robust waterproof handheld computer with cycle mounting attachments. You can track your speed, distance, time, odometer, GPS coordinates and elevation. This compact cycle meter has all the essential functions of an advanced cycle computer, including a very useful light sensor controlled back light and is supplied with a feature rich map route plotting software package.

While riding, the Veloset VS-600 GPS shows your speed with pin-point accuracy, distance, trip time and altitude co-ordinates are logged each second automatically. It records all your GPS GEO data for your records to download to your PC. Data logging enables the recording of your complete route for view on Google Earth and Google map. For saving data on the unit, you can record your tracks in different folders – General, working, sport and travelling. For saving data, the Veloset VS-600 GPS saves GPS co-ordinates every second while moving. If you are motionless, the device automatically saves track data every one minute.

Other useful functions include the speed behind reminder. When your current speed is lower than Average speed, the screen will flash every 3 seconds to alert you to improve your performance and catch up the speed. The Light-sensor will turn on the back light automatically when it's nightfall, or in a dark place (tunnel).

The Veloset VS-600 Handheld GPS is easy to attach on the handle bar or frame of your bike, with a quick release bracket to remove the main unit when not in use.

When you start, simply turn on the device and the GPS satellites will get your location in several seconds. The wire free GPS powered computer may be designed for use with cyclists in mind but with a 260,000 waypoint memory it makes a perfect multi-sports GPS and GEO logging computer.

Specifications

Unit size :	78 x 49.75 x 17.5 mm
LCM:	32x30.5 mm
Weight	70g
Enable-GPS	ST Chip set
Interface	Mini USB 2.0
Battery life	Normal use 24h,
Weather proof	IPX6
Memory	32Mb
Record tracks	260,000 waypoints

Environmental

Working temperature	-20°C to +85 °C
storage temperature	-55°C-20 +75°C.
input voltage	5.5 ± 0.5VDC

GPS

Tracking (ST Chip set)	up to 12 satellites
Reacquisition	0.1 sec, averaged
Hot start	6 sec, averaged
Warm start	38 sec, averaged
Cold start	42 sec, averaged

DGPS (Differential GPS)

Position	1 ~ 5 meter, typical
Velocity:	0.05 meters/second, typical

Dynamic Conditions

Altitude	18,000 meters (60,000 feet) max
Velocity	515 meters / second (1000 knots) max
Jerk	20 meters/second, max
Acceleration	4 G max

Battery

Power consumption	45 mA/h (back-lit off) rechargeable lithium-ion 1100mAh
GPS fix	Normal use 24 hours
Backlit on	17 hours backlit
BT GPS+back-lit	13 hours

Interface

Bluetooth 2.0 (Only for VS-600W)

USB Version 2.0 (mini Din 5 pin)

Transmission rate 4800~38400

NMEA 0183 Version 2.2 ASCII output (GPGGA, GPGLL, GPGSA, GPGSV, GPRMC, GPVTG).

Real-time Differential Correction input (RTCM SC-104 message types 1, 5 and 9).
(Optional model)

Features

Saving tracks data for four different purpose— General, works, travelling and sport.

Cycle meter

Touch pad for scan function.

Bike mounting

Track interval setting

Software application--export your data as a KML file which opens up on Google Earth.

Back-lit adjusting--level 1 to 5

Battery indicator

Memory indicator

POI recorded – Record your favourite spot, show exactly position on Google Earth/Map

Light Sensor –The device will automatically light-on when you stay in dark place or cross tunnel.

Personal training – Behind reminder

Support metric , imperial and Nautical

Functions

Bike mode – Speed , Altitude , Time , ODO , Trip time , Trip distance , Maximum speed and average speed

GPS mode - tracks data , GPS info , POI list ,

Setting mode – time zone, unit format, log timer, log content, Auto log , Contrast, Auto back-light, F/W version, Behind reminder, Exit

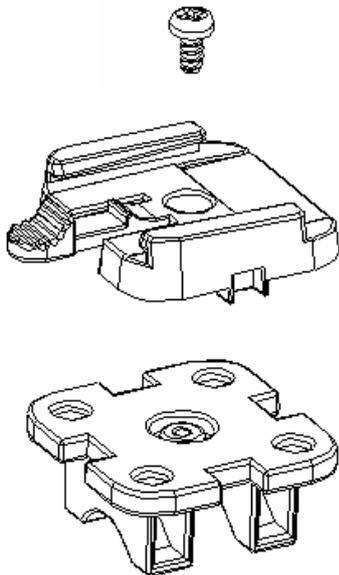
Data logger - Saving travel /sport route.

Check logging data, Please see the CD--Install software, USB Driver and Google Earth.

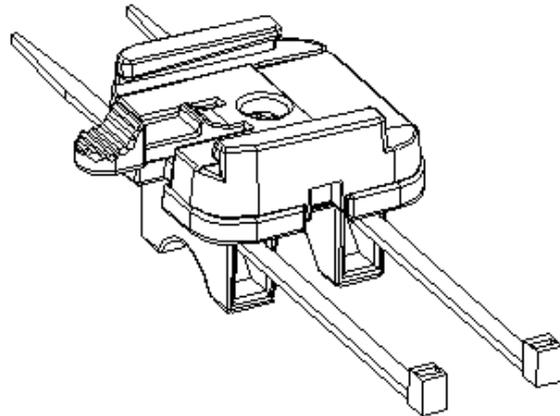
Bike Mount & Bracket Installation

Note: Please attach the bracket securely in position with the screw before attaching the bracket to the cycle. Do not use the computer when it is attached to adjust the position as this could damage the bracket. Remove the computer before any adjustments to the installation take place.

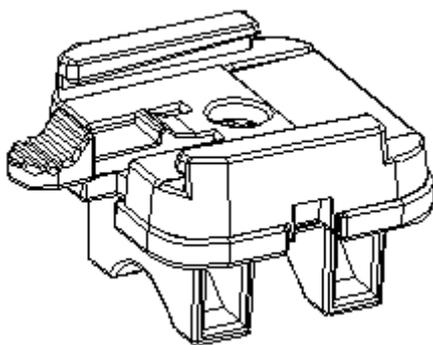
Step1 Use the screw to fix the frame together securely.



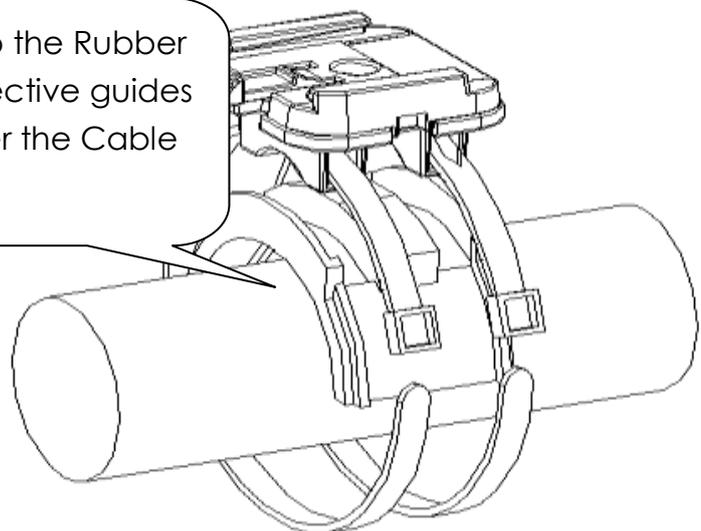
Step2-Put the cable ties through the bracket securing hole



Step3—Fix the rubber under the bracket and cable ties

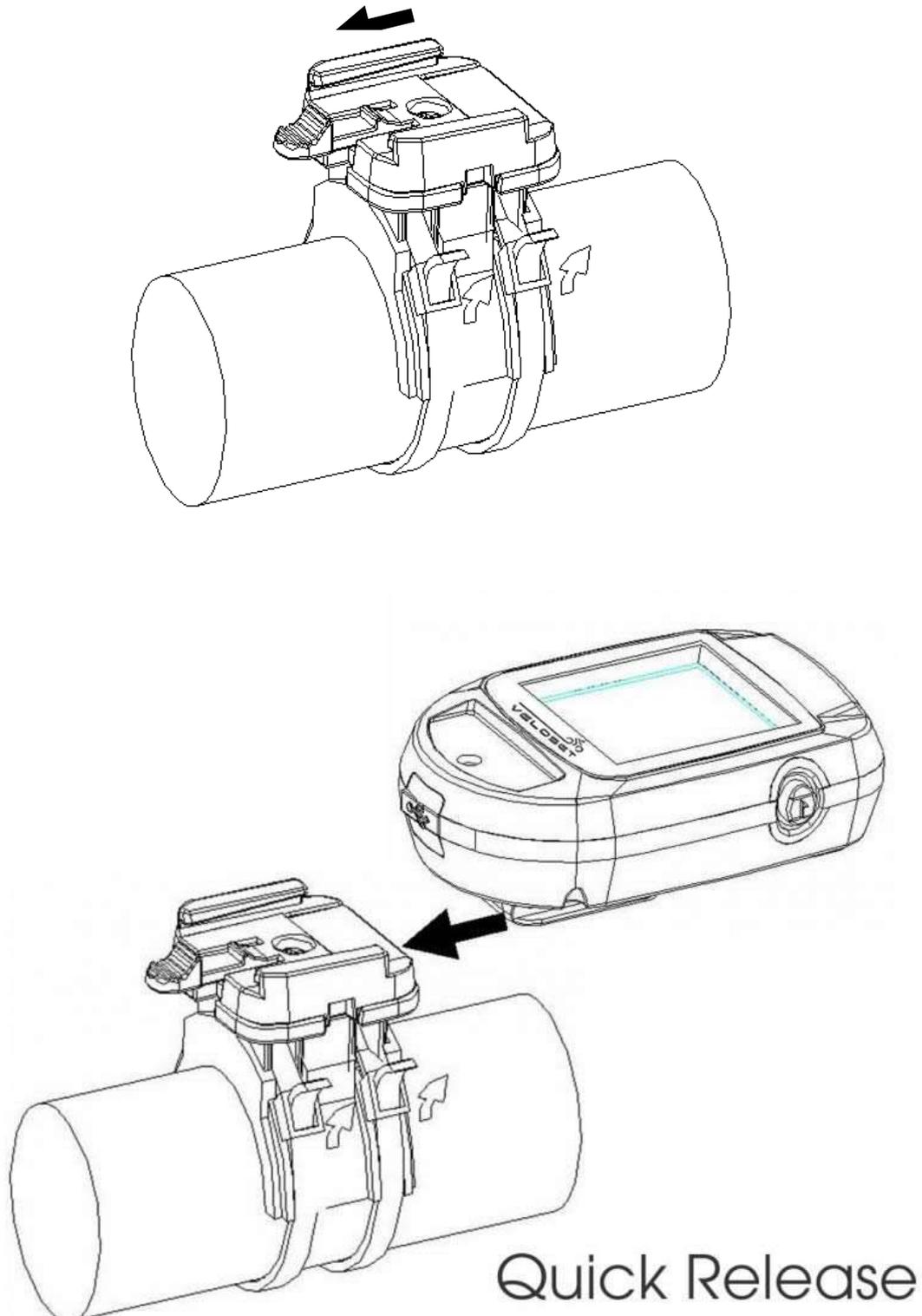


Wrap the Rubber protective guides under the Cable ties.



Step 4—Pull cable ties tight and fix on the cycle

Step 5 – put the device on bike mount and slide into position until locked. Press the quick release down and slide out to quick release the computer from the bracket.



Computer Introduction



1. GPS Power – Press for 1 second to turn ON. Single press to turn back-light on/off. Hold power button for 5 seconds to turn OFF.
2. Touch pad left side – Press to scroll through menu options.
3. Touch pad right side – Press to select function. Return to previous page. Exit
4. POI Data Logging – Press POI button for 3 seconds to turn the data log on/off. Press the POI button for 1 second to record POI (Point of Interest). While in Sports mode the data logger should be on, you will see flag on top of screen to indicate a POI recorded. POI's can be tracked in the GEO Map software. Auto GPS Data logger When the power is on, press the POI button for 3 seconds to turn on/off.
5. USB Port – connect with USB cable export data. When download data to PC, make sure the data logger is off.
6. USB Port - connect with USB cable to charge the device via PC or mains charger.
7. Fix the bike mount on your bike handle bar, position and then attach the computer.
8. When the power is on, the data logger is on and the GPS is fixed , you can start to exercise.

Computer Screen Icons

				
GPS Unfixed	GPS fixed	Bluetooth On	Backlit-on indicate	Data logger-on
				
Charge/ Data download	Unit format indicate	Battery indicate	Data saving file indicate (sport) (four type of file for saving data --Sport, travel ,General I and work)	

Note

- If you would like to record your tracks, please ensure the data logger is activated or it will not save any data while you exercise work.
- When the data logger is on, it is not possible to change the time zone. To change the time zone check that it is deactivated before you change it.
- When GPS tracking is fixed, you can record POI (Points of Interest). If the GPS is not fixed, the POI will not work.

Charging the computer by USB

Switch on the device plug in the supplied USB cable and connect to the computer, a full charge will be complete in 3 hours. Switch the device off. You will see only  on the screen to show the unit is charging. When fully charged, the  will not be displayed on screen.

You can also charge the unit whilst it is switched on. When the device is fully charged, the screen icon mark will be off 

When the device is on, the GPS will fix automatically if it is receiving a signal from the satellites, you will see  On the top screen or the icon  will be displayed if no signal is received (indoors).

Setting the time zone and correct local time.



Switch to SET MODE from the main screen menu (left pad) and enter (right pad), press the left button to set the time zone, press the right button to exit.



Auto GPS Data log activation



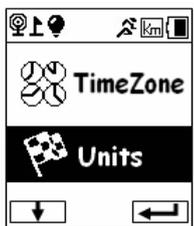
Select auto log and choose on that means the data logger is always on when you switch on device



Back Light

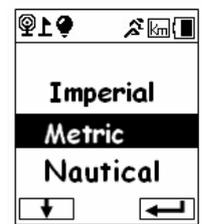


In setting mode, switch to back-lit, select back-lit On or off.



Speed and ODO Unit format selection

Select from imperial (Miles/MPH)
Metric(Kilometres/KPH)
Nautical

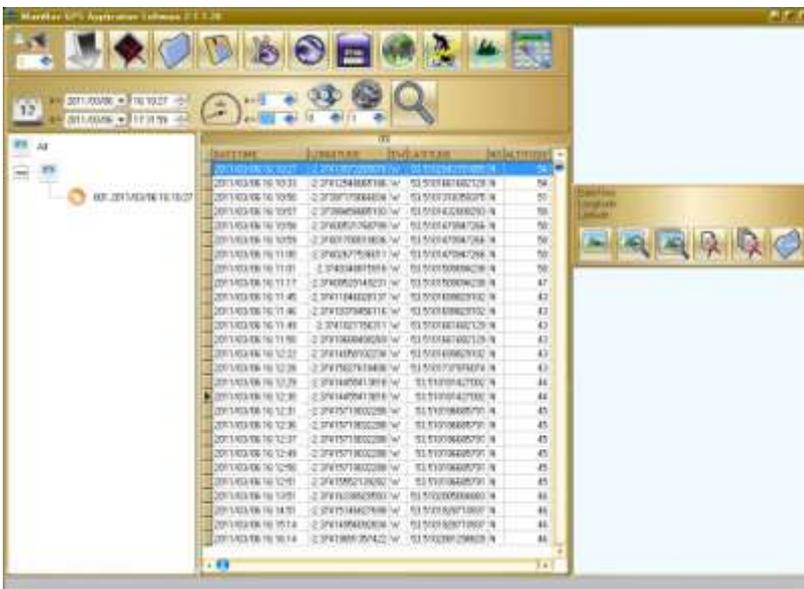


Install the Veloset GPS software from the software CD

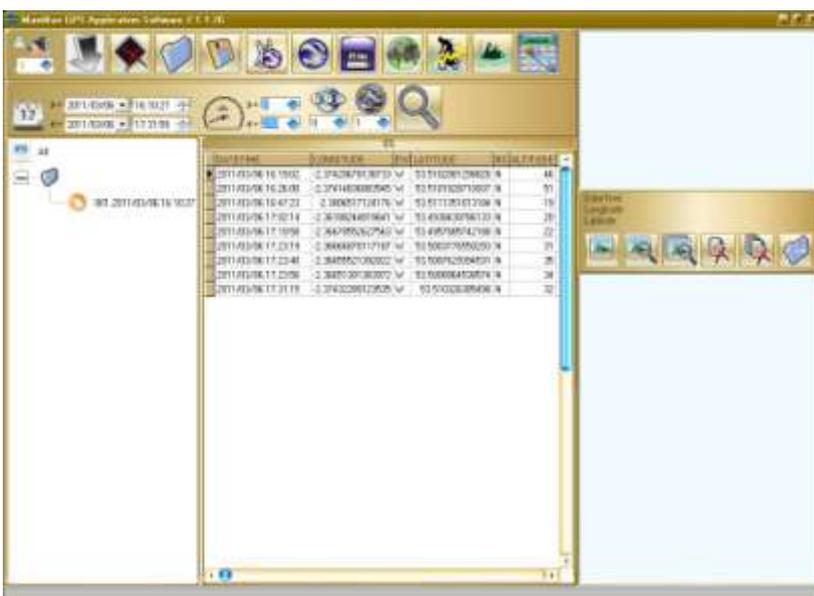
View your training data and saved tracks on Google Maps and Google earth (Driver install is unnecessary, software is combined with a driver) Please install the application from the CD or download from the www.veloset.co.uk website

Install and Launch the icon from the desktop

- Check the dates correspond to your trip and select the Download arrow to import the data from the GPS unit.
- The data will import and you will see the GPS co-ordinates of your trips stored on the device.



- Selecting the POI icon will display you recorded Points of Interest on your route.



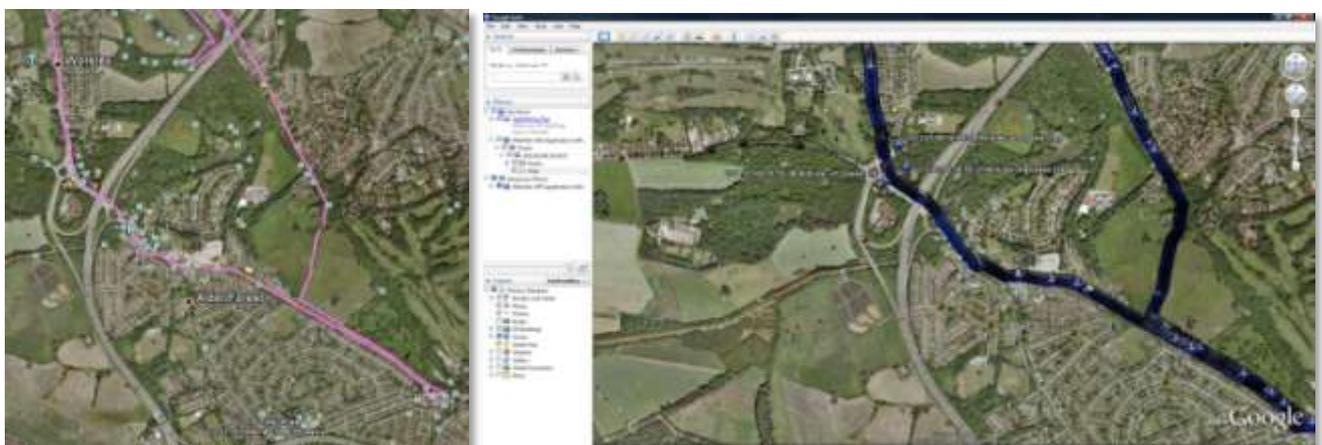
The Google map is displayed for your journey, select Map, Satellite or Hybrid modes to review.

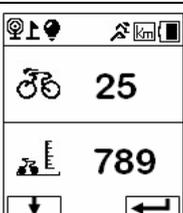


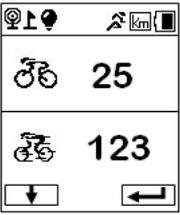
View Trip performance and analysis

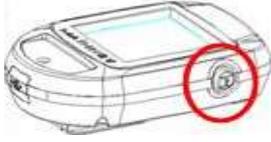
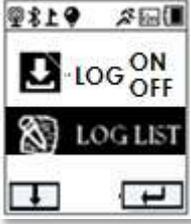
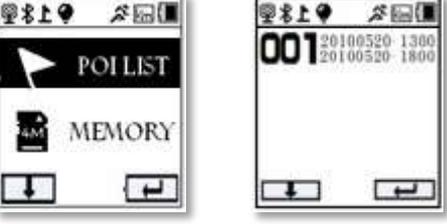
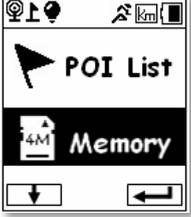
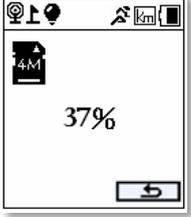


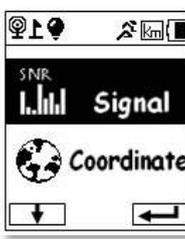
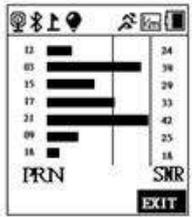
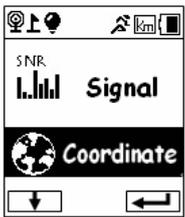
Save your trip journey as KMZ and open in Google Earth to view animations and data for your journey, log in Google street view to retrace your steps from the comfort of your laptop!.

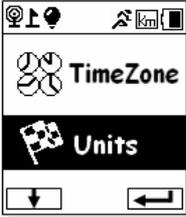
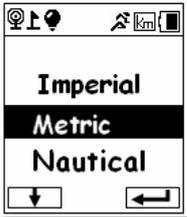
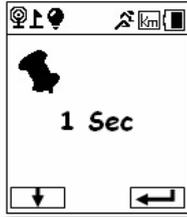
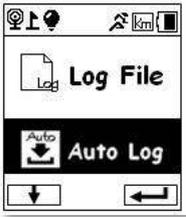
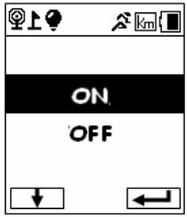


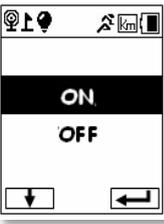
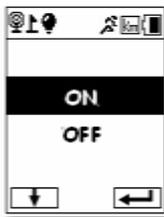
Computer Operation Walkthrough		
Operation	Screen	Indicate
Computer Menu - Bike mode GPS mode Set mode		On the main page , there are 3 modes to select, Press Next to scan each function.
Press Next  to view first page		Current speed Current time
Press Next to view second page		Current Speed ODO (odometer)
Press Next to view third page		Current speed Trip time (riding time)
Press Next to view fourth page		Current Speed Trip distance

<p>Press Next to view fifth page</p>		<p>Current time</p> <p>Maximum speed</p>
<p>Press Next to view sixth page</p>		<p>Current time</p> <p>Average speed</p>
<p>Press Next to view seventh page</p>		<p>Current time</p> <p>All training data</p>
<p>Press Next to view last page</p>		<p>Current time</p> <p>Altitude</p>
<p>Switch to main manual Press next to enter GPS mode</p>		<p>in GPS mode , you could check log info and GPS info</p>
<p>Press Enter to access LOG Info</p>		<p>LOG info included log list, memory ,POI</p>

<p>Enter --Switch Data logger on and off. Recorded data –on Stop recording –off</p>		 <p>Press POI button 3 seconds –Data logger on/off</p>
<p>Enter log list You could check your logging data list in here.</p>		
<p>Switch to Log Info, press next to view POI list. Press Enter to check recorded Spot. Each your record POI will be list here by time , press exit to exit</p>		
<p>Once the GPS is fixed and the Data logger is on, press POI button to Save POI.</p>		<p>(you can save POI in any page) Press POI button , the screen will flash the following icon</p> 
<p>Switch to Memory Memory free percentage indication Displays the usage of your memory</p>		 <p>37% is the amount of space remaining 0% is full Press Exit</p>

<p>Delete the memory Press Enter to delete the memory. When press YES all recorded data will be delete including POI list</p>		 <p>Device will count 1% to 100% and finish deleted</p>
<p>Switch to GPS Info and enter it. There is Signal and Lat/Lon info</p>		<p>In GPS mode you can check Signal and Lat/Lon info</p>
<p>Check out GPS signal in here, select the signal and enter it.</p>		
<p>Switch to Coordinate and enter it. Check altitude , longitude and latitude in here</p>		
<p>Switch to Set mode and enter it</p>	 <p>Bluetooth.</p>	<p>There is several setting in this mode. Time zone, unit format, Interval , Log File ,Auto log , Contrast, back-light, F/W version, Behind Reminder, To zero and</p>
<p>Access "Time zone" Adjust time zone in here, press Next to increase number (left button), and press Enter to set.</p>		 <p>GMT Time. Add time zone. Current time</p>

<p>Switch to units and enter it. Choose Imperial, metric or Nautical.</p> <p>Press next and mark your unit format and press enter</p> <p> Metric - KM  Imperial - Mile  Nautical - Knot</p>	<p>After setting , the top of screen will show unit format icon</p>  	
<p>Press next Switch to interval and enter it. For Interval, the default is 1 second, Press Next to set your interval from 1~30 seconds, press enter “setting”</p>	  <p>VS-600 stores 260,000 waypoints. Setting interval could decide how long you recorded tracks.</p> <p>Interval means, you could save track in every 1 or 5 or 10 seconds. If setting 5 seconds, the device will save waypoint in every 5 seconds.</p>	
<p>Press exit to switch LOG FILE and enter it. For your logging data, you could save the GPS data in different files- General, Work, Travel or Sport.</p>	 <p>General  Travel  Work  Sport </p>	 <p>Select the folder and press enter.</p> <p>If you choose Sport, all recorded data will be in this folder and the top screen will show a man running icon.</p>
<p>Switch to Auto Log – Select on, this means when you turn on the device every time, the data logger is always on.</p>	 <p>Without activating Auto Log, you would need to turn on the device and press the POI button for 3 seconds to turn on data logging.</p>  <p>Select on –every time the device on, the data logger is on too.</p>	

<p>Switch to " back-lit and enter it. Choose on or off. Choose on backlit will be auto on in darkness (light sensor) , Choose off, the backlit won't be on in dark place</p>		 <p>Off –the light won't automatically come on when in darkness.</p>
<p>Switch to FW and enter it (firmware version)</p>	 	<p>Display current firmware version. Press exit to previous page</p>
<p>Switch to "Behind Reminder" and enter it --Behind reminder means when current speed is lower than average speed. The current speed will be marked, to remind you improve your speed.</p>	   <p>Mark remind and choose On or Off. If you've been slower than your average speed, the screen will mark the current speed. When you catch up the speed, the highlight mark will be turned off. Select Off – to not use this function</p>	
<p>Clear trip distance and ODO. Switch to "to zero" and enter it. You could clean ODO and trip distance in here.</p>		
<p>Clear ODO and speed Mark Trip or ODO and enter it, press 'Yes' to delete the data</p>		 <p>Once press yes, all ODO and Speed will be deleted.</p>

Contact Veloset

For more information on Veloset products, accessories, support and distributors please contact us at support@veloset.co.uk

You can also find us on You Tube, Twitter, Facebook and our website at www.veloset.co.uk

Veloset Cycle Computers

PoBox 326

Manchester

England

M28 2YW



VS-204



The VS-204 12 Function Wireless Cycle Computer

- Ideal choice for the beginner.
- Excellent for monitoring fitness
- Functions Include:
 - * Average Speed
 - * Maximum Speed
 - * Journey Time
 - * Journey Distance
 - * Temperature
 - * Clock
 - * Mph Or Kph

VS-213/1



The VS-213 & Vs-2131 Cycle Computer

- Wireless or Wired.
- Large Display LCD Screen
- Functions Include:
 - * Average Speed
 - * Maximum Speed
 - * Speed Comparator
 - * Journey Time
 - * Journey Distance
 - * Temperature
 - * Clock
 - * Mph Or Kph
 - * Quick Release

VS-212/A



The VS-212 & Vs-212a Wireless Cycle Computer

- Heart Rate Monitoring & Chest Strap with VS-212a
- Back Lit Screen VS-212.
- Functions Include:
 - * Average Speed
 - * Pulse (Vs-212a)
 - * Maximum Speed
 - * Journey Time
 - * Journey Distance
 - * Temperature
 - * Clock
 - * Mph Or Kph
 - * Quick Release

GPS-600



The GPS-600 Multi Sports Computer With Tracking

- Portable GPS Cycle Computer
- Excellent for monitoring and recording routes
- Auto Logs GPS route data
- Geo Map Software plots saved tracks to Google Earth & Street view
- Ideal for multi sports use, Cycling, Running, Hiking, Sailing
- Bike mount for bars or stem fitting



Contact us Today



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