

## Rally computer 2 Rally computer 2.GPS\*

User manual.

Installation and configuration instructions.

(with links to video instructions online at : [www.rallycomputer.com](http://www.rallycomputer.com))



\* contents with  only for version 2.GPS

## Tripmeter description



The Rally Computer 2 tripmeter is a professional device used in rallies. It has been specifically designed for motorcycles and quads. It can be quickly and easily operated from the keyboard or the handlebar reset switch that comes in the kit.

Water-tight aluminium casing provides exceptional protection against external factors.

Top-class electronics ensures its reliability and high-precision measurements. The results are presented on super-bright, red LED displays.

The tripmeter is operated by a 3-button keypad and by a 3-button handlebar reset switch where each key has been assigned a measuring function.

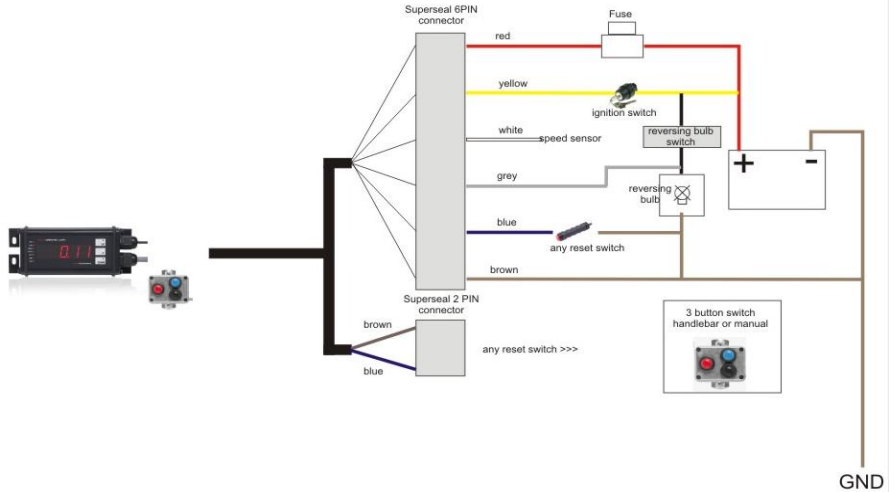
### Features

- Precise distance measurement using two independent counters TRIP and ODO with a 10m accuracy.
- direct ODO correction
- Backward counting when the vehicle moves backwards. The switch is done automatically after changing to reverse gear. (Note ! The grey cable needs to be connected to the sensor or the reverse light bulb).
- Current speed measured with 1 km/h accuracy.
- Vehicle's voltage indication.
- Adjustable display brightness and backlit keys
- Measurements of non-volatile memory with unlimited time
- Memory with up to 10 wheel calibration settings, corresponding to different tyre sizes
- Connection to an external switch
- The possibility of calibration value change without deleting measurements
-  Course displayed in the form of azimuth
-  Clock synchronized with the GPS transmitter

## Installation instructions

The tripmeter should be installed in a visible place, allowing easy and quick access to the front panel. The tripmeter has been supplied with mounting brackets for easier attachment. Do not remove the brackets completely as this can unseal the tripmeter housing.

When connecting the power supply make sure that the voltage source is reliable and stable with the voltage within the range between 8 to 30 V.



**NOTE !!!** Switching off the tripmeter does not disconnect it completely from the power supply. The tripmeter still consumes electricity (reduced to a minimum). When the tripmeter is not used for a long period, it is recommended to disconnect it from the car installation. This will prevent the battery from discharging. It is best to install an external switch that fully disconnects the tripmeter from its power supply.

Do not install the tripmeter in places where it may be damaged or work improperly, e.g. on airbags, or air outlets.

## Basic information

### Switching ON/OFF

After switching the power on the tripmeter :

- **will display the start screen** (only when it was earlier switched off while not making measurements, or when it is switched on for the first time)
- **will continue previous measurements** (only if it was earlier switched off while making measurements)

**Switching off the tripmeter does not disconnect it completely from the power supply!**

## Basic configuration

To enter the configuration menu you need to:

- restart the device from the keypad:

turn off the power supply when the tripmeter was in the start screen position and turn on the power again.

After the reset, the display will show the 88888 and then the current CAL value.

At this point press 3 x [UP] and 1 x [DOWN]. Then CONF will show on the display.

To select a function press [UP], and confirm with [DOWN]. To change the value press [UP] and then confirm by pressing [DOWN]. The change will be confirmed by a quick screen flash. To exit press [F].

Available functions:

1. **Units** – the display shows UNIT- select this function to choose between km or mile
  - a. **metr** – metric system
  - b. **imp** – imperial or British system
2. **Pulses** – the display shows IMPS – select this mode to choose between measurements using road pulses and GPS or using GPS only.
  - a. **I-off** – operation mode using only the GPS system - measurement starts when speed is over 5 km/h
  - b. **I-on** – operation mode using road pulses from the vehicle or from an additional sensor and the GPS system - this measurement ensures greater accuracy
3. **Daylight Saving Time** – the display shows DST – Enabling and disabling Daylight Saving Time
  - a. **on** – Enabled
  - b. **off** – disabled
4. **Time Zone** – the display shows UTC – selecting the time zone in which the device is working. There is choice of 24 zones (from +12 to -12) To change the zone press [F] confirm choice press [DOWN]

After programming all values, when being in the main menu (display shows UNIT or IMPS, or DST, or UTC ) press [UP] to exit. indicates The tripmeter reset and settings save is confirmed by long beep.

Video covering this section: <http://www.rallycomputer.com/support/video-instruction/video-instruction-rally-computer-2.html>

## Configuration of distance measurements

### Calibration value

The Cal value is the number of pulses generated by the vehicle over a distance of 1000m. The measurement can be performed on any distance as long as the value entered is for the distance of 1000 m.

### How to measure the Cal Value

The tripmeter can measure the number of pulses for any distance.

Video covering this section : <http://www.rallycomputer.com/support/video-instruction/video-instruction-rally-computer-2.html>

### How to input the Cal Value

The tripmeter can store up to 10 values.

Video covering this section: <http://www.rallycomputer.com/support/video-instruction/video-instruction-rally-computer-2.html>

### How to select a Cal Value

To activate the Cal Value, first select it from memory. Selected value will be used for all calculations until the user decides to choose another value.

Video covering this section: <http://www.rallycomputer.com/support/video-instruction/video-instruction-rally-computer-2.html>

## Operational modes

### Mode selection

We have 1 option to select from:

- DISTANCE - liaison, navigation or off road mode

From the Start Screen press [UP]– the screen will show DIST. Confirm by pressing [OK]

Video covering this section: <http://www.rallycomputer.com/support/video-instruction/video-instruction-rally-computer-2.html>

## Description of the function

### Tryb DISTANCE:

<p>Press BRIEFLY the red button on the reset switch or F on the tripmeter to bring back the TRIP indication or cancel it if it had been displayed. Press again to cancel the TRIP road.</p>	<b>Direct Action</b>
<p>Press and hold (3 sec.) the red button to display the function selection menu. The functions can be changed by short pressing of the Red button. The functions can be changed only when the display is flashing. After 3 sec. the flashing stops. The menu is presented in the following order:</p> <p>[TRACK] – <b>course</b> – shows the course, when GPS is connected. In the left display you can see the degree symbol</p> <p>[BAT] - <b>voltage of the vehicle</b> - (the voltage of the tripmeter's power supply shown in the upper display. The symbol U indicates the voltage function).</p> <p>[TIME] –Time synchronization with the GPS transmitter is shown on the 5 digit display with 10 seconds resolution</p> <p>[LED] - The LED function adjusts the display brightness. This can be changed using the blue and black or UP/DOWN buttons.</p> <p>[SPEED] – Current speed, displayed on the right screen. The left display shows S.</p>	<b>Through the menu</b>
<p>[UP] or [blue button] and [DOWN] or [black button] - ODO - When the displays are presented other parameters pressing the buttons causes showing ODO</p> <p>Each pressing adjusts ODO value by +/- 10 m. For fast forwarding, press and hold the button</p>	<b>Direct Action</b>

## Technical and operational data

- power supply: 7-30V
- dimensions: W57xS160xG32 mm
- current: - max. 200 mA

## Warranty

The warranty covers the period of 12 months from the date of sale of the device. The cover is valid only if the device has been used respectively to its intended purpose and with the proof of purchase.

Name and type: .....

Date of sale: .....

Device number: .....