



Electronic Hub Odometer User Guidance

How It works

WGCVS® is an advanced mileage counter that monitors the earth's gravity for recording wheel revolutions. The gravity acceleration directions and values are collected and then calculated by the MCU to come out of the revolutions of the wheel. With the tire size information inputted, the MCU work out the mileage of the wheel and show it with an LCD display.

Program the Unit

The unit is shipped from the factory with a Revs/Mile value of 999.9.

This display indicate that the unit has NOT been programmed.

It must be programmed before you use it for mileage recording.

WGCVS electronic hub odometer does not need a dedicated programmer. Any intelligent communication equipment, with Bluetooth 4.0 (or above) can be used as a programmer.



- **Step 1: download and install the APP "WGCVS Hub Odometer"**

Find this APP at the APP store on your cellphone and install it on your cellphone. (Figure 1)

- **Step 2: Select job**

Normal Set: This is for programming of a new unit

Batch Set: For same tires, use the "Batch Set" menu to set all units at one time

Clear Trip: Mileage and Start a new trip, Trip mileage can be reset any time to start a new trip by activating the Bluetooth of the unit and the "Clear Trip" menu

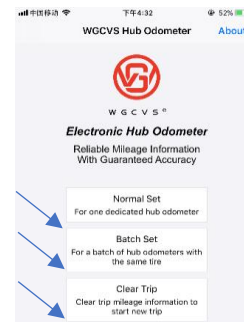


Figure 1

- **Step 3: Data Settings**

Unit: KM or Miles (This selected unit will apply for both Life miles and Trip miles). (Figure 2)

Starting Mileage: Set the mileage to match the current mileage of the vehicle the unit will be mounted to. (Figure 3)

Tire: For the utmost accuracy, set the tire by REVs/Mile or REVs/KM (preferred). Or select the tire size which are stocked at the APP database. (Figure 4)

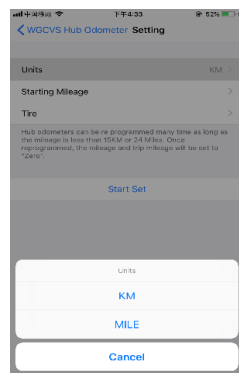


Figure 2

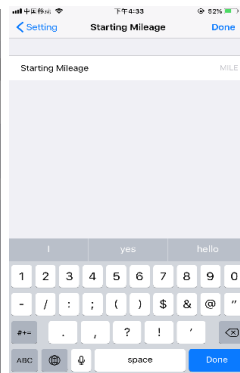


Figure 3

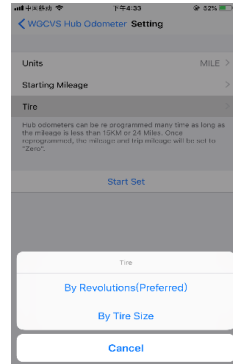


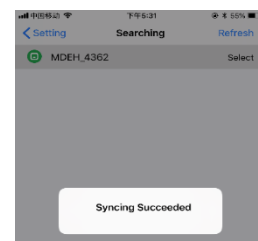
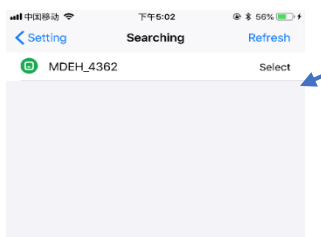
Figure 4

- **Start Set:**

Keep your cellphone Bluetooth turned on (No pairing needed). And then activate the odometer by pushing the button for 2 seconds. The Odometer ID showing on the cellphone which means the Bluetooth is activated and ready for programming. Select the Part on your cellphone. Once "Syncing Succeeded", touching the button for 2 seconds to quit Programming mode.



Activate the Part ID (Programming) mode by touch for 2 seconds



Installing the Unit

Install the odometer unit using the appropriate WGCVS bracket or hub cap.
The nut furnished with the unit is a locking nut and must be torqued no more than 15 ft.lbs



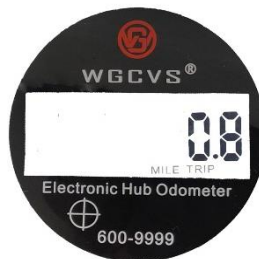
Reading The display

By pushing the button for 2 seconds, the unit will turn down the blue tooth and turn to normal display. Now you can switch the display among 3 different displays by touching the button for 0.5 second

LIFE Mileage
without tenths



TRIP Mileage
with tenths and TRIP icon



RPM or RPK
Programmed of this unit



Product Limitations

It is important to note that this unit is designed to recognize vibrations and accelerations common to wheel rotation, therefore, it will not count accurately when held in a person's hand, which allows movement in any direction. Furthermore, this unit should not be used as a rotating shaft counter for machinery, unless the machine shaft rotates slower than 1000 RPM.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

§ Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

