

7006 Quick Guide

Track setup

To use the GPS receiver, you need to setup the UniGo to use GPS, and the race track need to be downloaded to the UniGo. Go to Main Menu -> Setup Menu -> Track Menu. Set auto track select to Yes. If there is tracks settings available the laptimer will select it automatically. If you don't have the track on your laptimer, or want to create your own, this is possible with Off Camber Data.

Download from Internet

The track database on Internet is growing with new tracks all the time. This is the easiest way to get a track, but if your track is missing you can always create your own track (see below).

First you will have to download the track to Off Camber Data.

- Start the Off Camber Data.
- Open Track Manager.
- Click the Download button.
- You have an option to filter on Country.
- Select one or more tracks and click the Download button or if you want to download all tracks click the Download All button (this will download all tracks for all countries).
- Connect your laptimer with USB cable and click "Apply and copy to device" to copy the track settings to your laptimer.

Create your own track

Go to Main Menu -> Run Mode. Press menu and select START RECORDING. Run a few laps and press menu and select STOP RECORDING.

- Connect UniGo to the computer
- Click Import button and import the recorded session from UniGo to Off Camber Data. In the import dialog give the track a name.
- Click Track to open Track Management.
- Select the track and open the Properties tab.
- Click the Edit button for Split Points.
- Start with the first split point which will be the start and finish. Put the cursor over the GPS speed graph and move it along the distance axis, you will see a marker to show where you are on the track. When you find the right position click on the mouse to set the split point.
- Click "OK" and "Apply and copy to device" to copy to your laptimer.

Analyze Data

Go to Main Menu -> Analyze Menu.

In Analyze Menu you have 6 options.

1. Select the session you want to analyze.
2. Analyze lap and split times.
 - a. Press MENU to select different channels.
 - b. Press MODE to select different layouts.
3. Analyze minimum and maximum values.
 - a. Press MODE to switch between min/max.
4. Show graph for logged data.
5. Analyze counters and timers.
6. Delete session.

Sensor setup

Always make sure cables are not pulled apart when the steering wheel is turned.

Always restart your laptimer after you mount a new sensor.

Flex sensors

Flex sensors are mounted in the FLEX input. To change the setup, go to Main menu -> Setup Menu -> Sensors Menu. Change FLEX INPUT 1 and 2 to the sensor you have mounted. To use 2 sensors at the same time you need a sensor splitter(10-04-090).

Temperature sensors

Temperature sensors should be mounted in the TEMP input. Your laptimer will automatically detect what type of sensor you have mounted. If you want to use 2 temperature sensors you need a temperature splitter(11-02-003 or 11-02-004).

RPM wire

Mount the RPM wire around the ignition cable with 3 turns and hold it in place with the RPM clip.



It is important to keep the RPM wire away from all other parts of the ignition system to improve the RPM signal.

The RPM sensitivity can be adjusted in the settings. Main Menu -> Setup Menu -> Engine Menu

Warning LED setup

The 5 LEDs are all programmable. This is done from the warning LED setup menu. (Main Menu -> Setup Menu -> UniGo Menu -> Warning LED Setup) There is one menu for each warning LED.

The setup of a warning LED consist of several settings. Here is a short explanation of each setting.

- **Channel:** The channel is the most important setting. A popup lets you select the channel you want.
- **Max:** The maximum value of the channel before the warning LED is active. When the channel gets above this value, it will warn you.
- **Min:** The minimum value of the channel before the warning LED is active. When the channels gets below this value, it will warn you.
- **Ignore under:** If the minimum value is set, the ignore under value can be used too. To avoid a constant warning when the channel value is below the minimum warning, this setting will ignore the warning below a certain value. This is typically used for engine water temperature warning.
- **Blink type:** The blink types are "constant", "slow" and "fast".

GPS Module

The GPS Module is included in all 7006 kits. The GPS module includes a variety of sensors:

- 3 axis accelerometer
- 3 axis gyroscope
- GPS tracking 3 different satellite systems.
- Humidity sensor

To ensure the best GPS signal it is important to keep attention on the mounting. Too many vibrations will reduce the quality of the GPS signal.

Recommended mounting position is on the floor plate or the steering column bracket as shown in the picture below.

This position will also improve the quality of the accelerometers and gyroscope, thus giving you a more accurate representation of the kart's actual movement on the track. Opening the possibility to analyze how the chassis is actually performing.



Keep ignition noise away from your sensors

The ignition system carries high voltage, which will interfere with all other electronics in its surroundings. To get the best and most precise signal from your sensors, and especially the GPS module, try to keep the RPM wire at a reasonable distance from the other cables. A few centimeters can make a big difference.



Mounting the display



Humidity sensor

The humidity sensor measures the relative humidity. To do this it has a very precise temperature sensor and humidity sensor. The temperature is important to get the correct humidity reading.

Be aware that you may get a faulty reading if the GPS module is standing still in the sun, and thus heating the entire module.

You will notice the humidity in such cases stabilize after driving less than 1 lap because the air passing through the air channel will cool the sensor to the correct temperature.

The 7006 has built-in vibration absorption. No rubber washers are required on the steering wheel. The bracket comes with plastic and rubber washers to adjust the placement of the display.

When mounting all the cables, make sure they have enough room for a full turn of the steering wheel from left to right.