Brantz Satellite Seeker BRGPS

A non-mechanical, easy fit, sensor that will connect to the full range of Brantz tripmeters with a no calibration required option (please see chart below).

This unit simultaneously tracks many different satellites such as the Russian (Glonass), Chinese (BeiDOU) and American (GPS) systems, giving connection in the most testing environments. If however satellite links are lost (maybe in a tunnel) then it will calculate and recover the distance lost as a straight line.

Fitting Instructions

We recommend the Satellite Seeker is connected directly (via a 2amp fuse) to the vehicles battery, but realise this may not be possible in certain situations.*

Recommended connection as follows by tapping directly into the Tripmeter or Plug Kit (BR43) cables:

GPS Sensor		**Tripmeter Cables**
RED	+12V	**Brown** Core of the **Black Power Cable**
GREEN	Ground	**Green/Yellow** Core of the **Black Power Cable**
BLUE	Pulse	**Blue** Core of the **Grey Sensor Cable**

This sensor is available in a form which plugs directly into the tripmeter, this would require a socket retro-fitted to your Tripmeter at the Brantz factory in Macclesfield. Please contact us for details.

Positioning:

The Satellite Seeker should be positioned internally top face uppermost with the LEDs facing inwards and visible, either on the dashboard or the rear parcel shelf with a clear view of the sky.

Calibration:

We always recommend calibrating the tripmeter on an event supplied measured distance to ensure your tripmeter match exactly the organisers' distance measurements:

- If the Tripmeter is to measure in hundredths of a Kilometre/Mile the push-wheel switch needs first to be set to **100**.
- At the start of an accurately measured Kilometre/Mile, press the Zero button to ensure the counter reads 00.00.
- Drive the measured distance and stop accurately at the end of the distance – Note the figure that comes up on the readout. **(This is the Calibration Figure for this particular vehicle/sensor combination)**
- Enter this figure into the calibration push-wheel switches on the front of the tripmeter. E.g. If the readout is 05.67 set the push-wheel switches to 567.
- The accuracy can be confirmed by re-running the measured distance after zeroing the readout, the meter should read exactly 01.00
- If several wheel sizes and gearings are available for the vehicle; repeat the calibration procedure for each combination and note down the different calibration figures.

Calibration figures if no measured distance is available:

Tripmeter	**Calibration Figure / MPH**	**Calibration Figure / KPH**
International Range	579	360
Retrotrip Range	579	360
Laser 3	1616	1004
Survmaster Range	*Please contact Brantz*	636

Sensor Status:

When first powered up the RED LED will begin to flash as it is searching for satellites.

When the sensor is 'locked on' the RED LED will change from flashing to continuously ON - at this point you can start moving. As you move the GREEN LED will flash with every pulse.

*If the Sensor is powered through a switched supply (i.e. the ignition switch) then the unit will have to re-connect when the power is next applied – **ensure you wait for a continuous RED light before moving off.**