

**Set Up Instructions for Brantz Retrotrip Range of Tripmeters**  
**Retrotrip 2 Classique (BR9C) / Retrotrip 2 Mulsanne (BR9M)**

**Wiring:**

- **Power:**
  - Connect up to the vehicles 12 volt power supply as directed by the label on the BLACK POWER CABLE coming out of the base of the tripmeter or Plug Kit (BR43). This is BROWN to the POSITIVE Terminal and GREEN/YELLOW to the NEGATIVE Terminal.
  - Connect straight to the vehicles battery posts **via a 2 Amp fuse** (Not Provided - Available from Brantz) on the live wire, usually the BROWN on +12V cars, however on Positive Earth vehicles it is customary to fit the fuse to the live GREEN/YELLOW wire.
  - Cars not using the modern negatively earthed alternator type charger should use a **Brantz Power Conditioner (BR21)** to get a reliable power source otherwise counters may mis-match.
- **Sensor:**
  - The Sensor is connected to the GREY CABLE coming out of the base of the tripmeter as directed by the separate sensor instruction sheet showing how to wire the exact type of sensor you have chosen.



**Calibration:**

- The meter is calibrated to be accurate on any vehicle fitted with any type of Brantz sensor and using any wheel size or gearing by means of the three push-wheel switches marked 'CALIBRATION'.
- If the meter is to measure in hundredths of a Kilometre/Mile the push-wheel switch needs first to be set to **100**. (This will require a small implement with a non-sharp pointed end e.g. ball point pen)
- At the start of an accurately measured Kilometre/Mile, press the Zero buttons to ensure the counters read 000.00
- Drive the measured distance - **DO NOT exceed 20mph/30kph for Calibration** (This will not be a problem once calibrated) and stop accurately at the end of the distance – Note the figure that is shown on the readout. **(This is the Calibration Figure for this particular vehicle)**
- Enter this figure into the calibration push-wheel switches on the base of the Retrotrip. e.g. If the readout is 00567 set the push-wheel switches to 567. N.B. If the readout is greater than 00999 a **Pre-Scaling Interface (BR5)/Dividing Pre-Scaler (BR5-2A)** is required – please contact us on 0044 (0) 1625 669366 or Email: [sales@brantz.co.uk](mailto:sales@brantz.co.uk)
- 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.

**Operating Instructions:**

- The large toggle switch on the base of the unit turns the Power On & Off - when the unit has power the LEDs inside the hood illuminate – three above each counter.
- The push buttons on the front face zero each counter independently.
- The socket on the base of the tripmeter is for an optional **Driver Display Unit (BR91)** (Sold Separately)
  - The Driver Display Unit itself features:
    - LED under-hood lighting
    - Lights ON / Lights OFF Function

**Official Measured Distances and Calibration**

**If the rally organiser has laid out an 'official distance' or you wish to make your tripmeter read the same as the rally organisers distances then the following instructions apply for calibration:**

- Enter **100 (C)** into the push-wheel calibration digits (N.B. If the official measured distance is greater than 20 miles you would need to enter a much higher figure for **C** e.g. between 399-999).
- With the Total and Intermediate Displays showing Zero drive the total official measured distance i.e. **4.8 (D)** miles and note down the readings i.e. **21.98 (T)** (this should be identical on both Intermediate and Total Displays)
- Now use the following formula:

$$(T/D) \times C$$

e.g.

$$\begin{aligned} &(21.98/4.8) \times 100 \\ &=>4.579 \times 100 \\ &=>457.91 \end{aligned}$$

So enter **458** into your calibration push-wheel switches.

To confirm the figure, re-drive the measured distance and your displays should show the official distance e.g. 4.8 miles.

**BRANTZ**  
Rallymeters