

**dB2L Cycle Computer  
Owner's Manual**



**INTRODUCTION**

Congratulations on your purchase of the dB2L cycling computer by FILZER Enterprises, Inc. This cycling computer has all the necessary features that a cyclist needs during a ride.

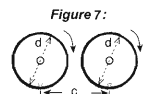
1

**WHEEL SIZE INPUT:**

Press and hold LEFT and RIGHT buttons for 2 seconds to access wheel size input mode. Multiply wheel diameter, d (Fig. 7) in millimeters by 3.1416 to determine wheel factor (i.e. circumference), c. Or use the chart above. (NOTE, write down your ODO value before you reset wheel size as the ODO value will be erased).

Wheel Diameter d	Wheel Factor c
20"	..... 1596
22"	..... 1759
24"	..... 1916
26"	(650A) ..... 2073
26.5"	(Tubular) ..... 2117
26.6"	(700x25C) ..... 2124
26.8"	(700x28C) ..... 2136
27"	(700x32C) ..... 2155
28"	(700B) ..... 2237
(W/Inch)	
ATB 24"x1.75	..... 1888
ATB 26"x1.4	..... 1995
ATB 26"x1.5	..... 2030
ATB 26"x1.75	..... 2045
ATB 26"x2 (650B)	..... 2099
27"x1	..... 2136
27"x1 1/4	..... 2155

Press the LEFT button to select digit to be input and the RIGHT button to adjust the digit to the desired number (hold for fast advance). Press the LEFT button again to advance to KM/MILE selection. (Note: Removing battery will erase Wheel Size Input and ODO value.)



**KM/MILE Selection:**

After the wheel size input, the Km/Miles units for distance and speed will flash. Press the RIGHT button to choose between Kilometer (KM) and Mile (M) press the LEFT button to confirm

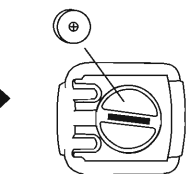
6

**Functions**

- Speedometer (0-99.9 Km/hr or M/hr)
- Tripmeter (DST) (Up to 999.99 Km or M)
- Odometer (ODO) (Up to 9999.9 Km or M)
- Auto trip timer (TM) (9:59:59)
- Speed Comparator (+ or -)
- Speed Tendency

**Battery installation**

Figure 1  
Computer Battery  
1.5V / 186  
LR43 / L1142



Batteries are pre-installed.

Remove the battery cover from the bottom of the computer using a small coin.

Install the 1.5 V battery with positive (+) pole facing the cover as in Fig. 1. If the LCD shows irregular figures, take out the battery and install again. This will clear and restart the computer's microprocessor.

2

**Computer Functions**

**DISPLAY**

There are 3 main screens. Press the RIGHT button to toggle between the three display screens.

Screen 1 displays Current Speed, Odometer (ODO), Speed Comparator (+ or -) and Speed Tendency.



Screen 2 displays Current Speed, Tripmeter (DST) and Speed Comparator (+ or -) and Speed Tendency.

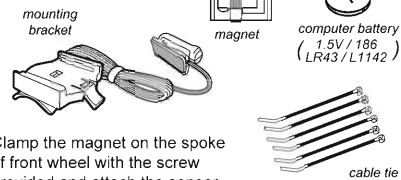


Screen 3 displays Current Speed, Auto Trip Timer (TM) and Speed Comparator (+ or -) and Speed Tendency.

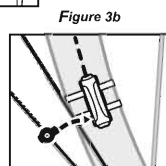
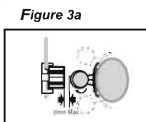
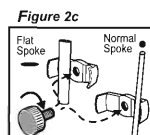


7

**Sensor Installation**



Clamp the magnet on the spoke of front wheel with the screw provided and attach the sensor to the left fork using cable ties as shown in Fig. 2a,2b & 2c. Make sure the arc of magnet intersects the alignment mark on the sensor with 2mm clearance as shown in Fig. 3a & 3b.



3

**Speedometer**

Instantaneous Speed is displayed in the top row. The range of measurement is from 0 to 99 KM/hr (0 to 99 M / hr) and accuracy is +/-0.5 KM/hr (M/hr).



**Tripometer (DST)**

Press the right button to scroll through screens until DST is displayed on the left side of the display. The Trip Distance (DST) value is displayed on the bottom row. Tripometer is activated automatically with speedometer input. To reset DST to zero go to the DST Screen and press and hold the LEFT button for 2 seconds. Note: Trip Timer (TM) will also be reset to zero.



**Trip Timer (TM)**

Press the right button to scroll through screens until TM is displayed on the left side of the display. The Trip Timer (TM) value is displayed on the bottom row. Trip Timer is activated automatically with speedometer input (when the front wheel is turning). It records only the time spent actually riding. To reset TM to zero go to the DST Screen and press and hold the LEFT button for 2 seconds.



**Odometer (ODO)**

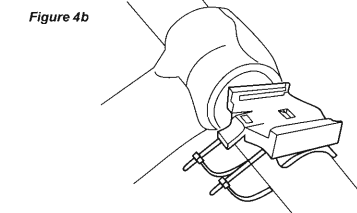
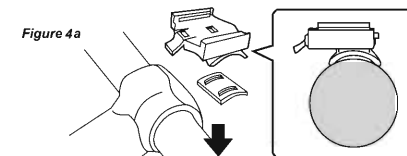
Press the right button to scroll through screens until ODO is displayed on the left side of the display. The total distance traveled (ODO) value is displayed on the bottom row. To reset ODO to zero, press and hold LEFT and RIGHT buttons for 5 seconds or remove the battery. Note you cannot program your odometer once you reset it to zero.



8

**Mounting Bracket**

Attach the mounting bracket to the right side of the handlebar by using a screwdriver as shown in Figs. 4a & 4b. Make sure the mounting bracket is clamped tightly and will not slip on the handlebar with the rubber shims provided.

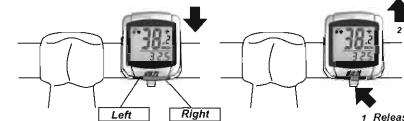
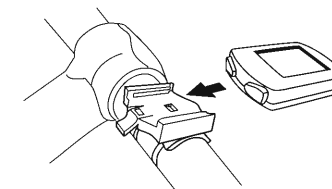


4

**Computer installation**

Slide the computer onto the mounting bracket until it snaps firmly into position. Press the release button to remove the computer as shown in Fig.5

Figure 5



5

**Trouble Shooting**

PROBLEM:	SOLUTION:
No Speedometer reading	Improper magnet/transmitter alignment. Check magnet/transmitter alignment.
Black Display	Temperature too hot or display exposed to direct sunlight too long.
Slow display response	Temperature outside of operating limits (32-125°F or 0-55°C)
No Trip Distance reading	Improper magnet/transmitter alignment. Check magnet/transmitter alignment.
Display shows irregular figures or blank screen	Re-install computer battery and verify that the computer battery is good.

9