

**SAFETY: ALWAYS PAY CAREFUL ATTENTION TO TRAFFIC CONDITIONS WHEN RIDING YOUR CYCLE.**  
**WARNING! ALWAYS CONSULT WITH YOUR PHYSICIAN BEFORE STARTING ANY EXERCISE PROGRAM.**

**FUNCTIONS**

- SPEED**
  - Current Speed (KPH or MPH)
  - Average Speed (0.0-99.9 KPH / MPH)
  - Maximum Speed (up to 99.9 KPH / MPH)
- DISTANCE**
  - Comparator (+/-)
  - Odometer
  - Odometer Save Function (ODOS)
- TIME**
  - Trip Distance
  - Digital Clock (12 or 24 hour format)
  - Auto Up Timer (up to 10 hours)
- FITNESS**
  - Calories Counter (0.00 - 1000)
  - Fat Burned (0.00 - 1000 grams)
- BIKE MAINTENANCE**
  - Warning Indicator (KM or Miles, selectable interval)
- BATTERY SAVER**
  - Auto Off
- AUTO SCAN (DST, MXS, AVS, TM)**
- SPEED BAR**

**INSTALLING THE BATTERIES**

**MAIN UNIT**  
 Remove the battery cover from the bottom of the Main Unit using a small coin. Install the 3 V battery (included in the packaging) with the positive (+) pole facing the battery cover and replace the cover. (see Fig. 1)  
 Main Unit Battery: CR2032 (3V)

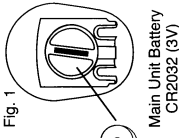


Fig. 1

**FORK MOUNTED TRANSMITTER**  
 Install the 12 V battery (included in the packaging) in the transmitter with the positive (+) pole facing the battery cap. Re-install the cap with a small coin. Be sure it is seated correctly to ensure water resistance (see Fig. 2).  
 Transmitter Battery: 12V/VR22 /L1028 /A23



Fig. 2

**NOTE: Old batteries should be disposed of properly.**

**PROGRAMMING THE MAIN UNIT FUNCTIONS**

**I. Inputting your bike's wheel size**  
 When you insert the battery, the screen will flash a four digit wheel circumference. Note: for your convenience, refer to the wheel chart to the right (for a more precise reading) or multiply your wheel's diameter (d) in millimeters by 3.1416 to determine your wheel's circumference (C).  
 a. Input this number (C) by pressing the digit to be input and the RIGHT button to adjust the digit to the desired number (hold the RIGHT button for fast advance).  
 b. Once all four digits are entered, press the KM/MILE selection screen icon again to press the digit to be input and the RIGHT button to adjust the digit to the desired number (hold the RIGHT button for fast advance).  
**Note: You can return to the wheel size input mode by pressing and holding both the RIGHT and LEFT buttons for 2 seconds. Removing battery will erase the wheel size.**

Wheel Diameter d	Wheel Factor c
20"	1598
22"	1759
24"	1919
26"	2079
26.5" (650A)	2075
26.5" (Tubular)	2117
26.6" (700x25C)	2124
26.6" (700x28C)	2136
26.6" (700x32C)	2158
26.7" (700x35C)	2170
26.8" (700)	2237
(white) ATB 24"x1.75	1888
ATB 24"x1.5	1905
ATB 26"x1.5	2030
ATB 26"x1.75	2045
ATB 26"x2 (650B)	2099
27"x1	2136
27"x1 1/4	2158



Distance travelled in millimeters with one wheel revolution

**II. Kilometers (KM) or MILE Selection**  
 a. To select KM or Mile press the RIGHT button to Kilometer (KM) or Mile (M).  
 b. Press the LEFT button to confirm.

**III. Inputting Your Age**

Upon completing the KM/Mile selection, you will see the default value for age (23) flashing. By entering your actual age and weight you will get a more accurate calculation of calories and fat burned.  
 a. Press the RIGHT button to adjust to the first digit your age, then press the LEFT button to confirm.  
 b. Repeat to enter the second digit.

**IV. Inputting Your Weight**

**Note: based on your selection of KM or MILE your weight default will be kilograms (80 KG) or pounds (180 lbs.) respectively.**  
 a. The 1st digit will be flashing. Press the RIGHT button to adjust to desired value.  
 b. Then press the LEFT button to confirm.  
 c. Repeat the steps to enter the second and third digits.

**V. Setting the Clock**

a. Now "24" should be flashing. Press the RIGHT button to select between 12 or 24 Hour format.  
 b. Press the LEFT button to confirm.  
 c. Next the hour digits will flash. Press the RIGHT button to adjust the hour, then press the LEFT button to confirm.  
 d. Then the minute digits will flash. Press the RIGHT button to adjust the minutes, then press the LEFT button to confirm.

**VI. Inputting the Maintenance Warning Indicator Distance**  
 Next you will see the number "600" flashing. This is the default distance in KM or MILES for the Maintenance Warning function. This function is used to remind you to maintain the key components of your bike, e.g. lubricating the chain.  
 a. To adjust this distance press the RIGHT button to choose 200, 400, 600 or 800  
 b. Then press the LEFT button to confirm.

**Note: a "wrench" icon will flash on your screen whenever your odometer passes any multiple of your designated distance. Press the LEFT button to reset the flashing icon.**  
 Programming is now complete.

**INSTALLING THE MAGNET AND TRANSMITTER**

1. i) Attach the magnet to a spoke on the left hand side (as seen by the rider) of the front wheel. Position it approximately half way between the hub and the rim.  
 ii) The nearer that you can position the transmitter to the main unit, the longer the effective life of the transmitter battery.

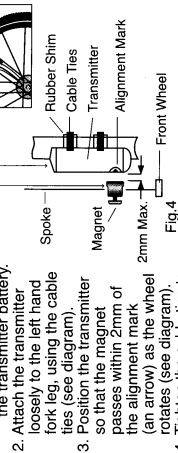


Fig. 3

2. Attach the transmitter loosely to the left hand fork leg, using the cable (see diagram). Position the transmitter so that the magnet passes within 2mm of the alignment mark (an arrow) as the wheel rotates (see diagram).  
 3. Tighten the cable ties to secure the transmitter in place and trim off the excess.

**INSTALLING THE HANDLEBAR BRACKET**  
 1. Place the bracket on the handlebar to the left of the stem. For best performance, try to position the computer as near to direct above the transmitter as possible.  
 2. Wrap the bracket's rubber strap around the handlebar and thread it through the slot on the underside of the bracket.  
 3. Pull the strap tight and secure the strap by slipping one of the slots in the strap over the hook on the bracket.

Fig. 5

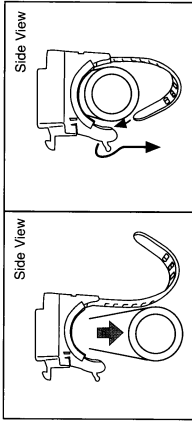


Fig. 6

## INSTALLING THE MAIN UNIT

Slide the Main Unit into the mounting bracket until it snaps firmly into position (see Fig. 7).  
**Important:** To remove Main Unit from mounting bracket, wrap fingers around the top of the mounting bracket, press the release button on the bracket and push the Main Unit forward with your thumb.

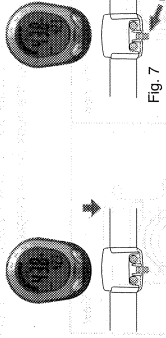


Fig. 7

## UNDERSTANDING THE FUNCTIONS

### Current Speed and Speed Bar

Once you are riding your bike, your screen will show your riding speed two ways.  
 The first is the number appearing in large digits above the other data. The second is the Speed Bar that arcs across the top of the screen to match the numbers printed on the stainless steel bezel.

### Speed Comparator

A "H" or "L" sign will appear on the right hand side of the screen to indicate whether your Current Speed is higher or lower than your Average Speed.

### Auto Scan (SCAN)

In the SCAN mode there is no need to press the RIGHT button to change from one function to the next. Each function will be displayed for five seconds and then automatically change to the next function.  
**Note: CLOCK and ODOMETER will be skipped in SCAN mode.**



## Odometer (ODO)

Total distance travelled is indicated by ODO and display on the bottom right. To reset ODO, press and hold the LEFT button for 2 seconds and remove the battery. Press the right button to enter DST mode.



## Trip Distance (DST)

Trip Distance measures your distance for any particular ride. To reset trip distance (DST), make sure DST is displayed on your screen, then press and hold the LEFT button for two seconds. Note: Whenever DST is reset, TM and AVS will also be reset.



## Maximum Speed (MXS)

This is the Maximum Speed reached during any trip. To reset MXS, make sure MXS is displayed on your screen, then press and hold the LEFT button for two seconds.



## Average Speed (AVS)

Your Average Speed (AVS) is calculated by Trip Distance (DST) divided by Trip Timer (TM).



## Trip Timer (TM)

The Trip Timer is turned on and off automatically based on input from the wheel sensor. Therefore, it counts only your actual riding time. To reset TM, make sure DST is displayed on your screen, then press and hold the LEFT button for 2 seconds.



## Calorie Counter (CAL)

This is the approximate amount of calories burned during your ride. To reset CAL, press and hold the LEFT button for 2 seconds.



## Fat Burned (FAT)

This is the approximate number of grams of fat burned during your ride. To reset FAT, press and hold the LEFT button for 2 seconds.



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## Odometer Save Function (ODOS)

The SAVE function allows you to keep the important data of total distance (ODO) even after battery replacement. To set ODO, after battery replacement and wheel size setting, press RIGHT button to ODO mode and then press the LEFT button for 2 seconds until the "to adjust number" press the RIGHT button and then press the LEFT button to confirm and select digit to be input. Repeat this sequence to reach the desired odometer value. Press the LEFT button again to return to normal ODO mode.



## Clock (CLK)

This is the current time.



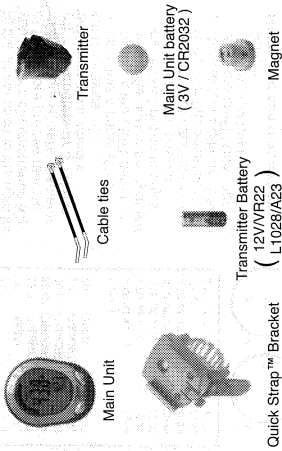
## Start / Stop

To start the unit, press any button to turn on the display and the wireless mounting system. The unit will automatically stop when left unused for over 5 minutes.

## Malfunction

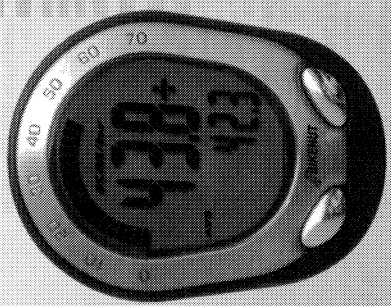
Malfunction	Problem
No speed or distance reading	1) Check Magnet / Transmitter alignment 2) Check / Replace Transmitter battery
No display	1) Check / Replace main unit battery
Slow display	Temperature exceeds of operating limits. Must be used in 0-55 degrees C / 32-131 degrees F
Black display	Temperature too hot for display exposed to direct sunlight too long. Remove from direct sunlight and allow unit to cool down.
Inaccurate Maximum Speed reading	Unknown atmospheric or RF interference. Move away from interferences and reset MXS.
Display shows irregular figures	Take out Main Unit battery and install again.

## Accessories



Art No.: KSS13-YPK-Y-P3-BIKEHUT

CE06810



INSTRUCTION MANUAL