

# INSTRUCTION MANUAL

## Corner Weight System

SK-500015

# SKYRC

Thank you for purchasing SkyRC Corner Weight System. This Corner Weight System is designed for serious racers to measure their cars' corner weight distribution easily, and make necessary weight adjustment to balance their cars for the best performance.

Corner weight scales allow precise car weight distribution which is critical to on track success. The four corners of the car may be bearing different amounts of the car weight. The unequal corner weights can be felt as the car rolling more when turning in one direction than the other. The car's stability is compromised which will adversely affect its balance. A well balanced car is generally easier to drive quicker due to increased the car's stability.

To make sure weight percentages are correct, computerised scale system must be used. Correct chassis setup separates the front runners from the followers. Corner Weight Scales provide the necessary data for anyone to become a chassis expert.

Ideally the car should have 50% of its weight on the Left Front and Right Rear tires, and 50% on the Right Front and Left Rear. If your car's diagonal corner weights are not equal then its handling will be unbalanced--it will turn better in one direction than in the other (all other things being equal).

This product consist of one main unit and four separate scales, the maximum weight limit for each scale is 2000 grams.



### FEATURES

- Designed for 1/8 buggy and truck, 1/10 buggy & touring car and 1/12 car.
- Measure the car's corner weight, front and rear distribution and make adjustment if necessary.
- The maximum weight limit for each scale is 2000 grams.
- Measurements can be displayed in gram, oz.
- Highly accurate weight measurement in 0.1g increments (equivalent to 0.01 oz).
- 4 red LED screens for displaying each corner weight measurement.
- 2 green LED screens for displaying front weight and rear weight.
- 2 green LED screens for displaying corner weighting(front right + rear left, front left + rear right).
- 1 green LED screen shows total weights.
- 4 LED screens for displaying percentage of weights distribution.
- 4 large, easy to clean aluminum weighting surface and easy to use 3 button operation.
- Powered by 4 x AA batteries (batteries NOT included) or external DC source(6-13.8V).

### PRECAUTIONS

- Place the main unit and scales on level and firm surface when using.
- Allow few seconds for this unit to stabilize after activation for best result.
- Do not place object over 2000 grams on the scale to avoid affecting functionality.
- Remove all dirt on scales before using, to ensure accurate reading of the scales.
- Avoid direct exposure to strong sunlight and collision with other objects.
- Never allow water, moisture, oil or other foreign materials to get inside main unit and scales.

### HOW TO USE

- Step 1: Place the main unit and 4 scales on level and firm surface
- Step 2: Turn on power by pressing (ON/OFF) button
- Step 3: Press Zero to reset
- Step 4: Remove sway bar if any
- Step 5: Place all 4 tires on each scale
- Step 6: You can press (Unit) button to select different unit to your liking.
- Step 7: With the data provided, you can add weight lead and/or move around the radio gear to achieve the ideal weight distribution.
- Step 8: Hold the button for 3 seconds to turn OFF.(If no use, the system will turn OFF after 5 minutes)



## SCALE DISPLAY



## HOW TO ADJUST THE BRIGHTNESS OF LED DISPLAY

Press and hold ZERO button for more than five second, then press ZERO button repeatedly to adjust the brightness. After you choose the desire brightness, please wait 8 seconds to save the setting.

## SPECIFICATION

- Maximum weight of each scale: 2000g
- Tolerance:  $\pm 0.5g$
- Power source: 4 x AA batteries (batteries NOT included) or external DC source(6-13.8V).
- Main unit dimension (length x width x height): 130.4x104.5x35.3mm
- Scale dimension (length x width x height): 59.1x65.1x17.5mm
- Net weight of Main unit & 4 scales (not including battery): 354g

## WARRANTY AND SERVICE

We guarantee this product to be free of manufacturing and assembly defects for a period of one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes.

For any repair or replace service, please contact your dealer in the first instance, who is responsible for processing guarantee claims. This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the procedures outlined in this manual.

## HOW TO CALIBRATE THE SCALE

You can calibrate one scale each time. Only FL jack can be used for calibration.

1. Turn on the scale by pressing [ON/OFF] key.
2. Wait until the LCD displays "000.0" and then press and HOLD [UNIT] key for 3 seconds. The LCD will display "CAL", and then release the [UNIT] key.
3. Press [UNIT] key again, the LCD will display "CAL" followed by the required calibration weight 2000 grams.
4. Add the 2000 grams calibration weight, the display will show "PASS" and return to normal weighing mode.
5. Put away the calibration weight and press [ON/OFF] to turn off the scale and the calibration is finished!



Manufactured by  
**SKYRC TECHNOLOGY CO., LTD.**  
[www.skyrc.com](http://www.skyrc.com)

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