

(PDF Format By RightOnScales.com)

# TRITON T2 Owner's Manual & Troubleshooting

**Low Batteries & bad battery connections are the #1 cause of scale malfunction and inaccuracy!** We test all of our scale returns from consumers. Fully 60% of consumer returns are battery related problems. This sounds silly but it's true! A scale will perform slowly, or read inaccurately when it has low batteries. Please replace the batteries often (and only use good quality batteries). We include good quality batteries with all of our scales but batteries can run low in storage. If your scale simply won't turn on while on Battery power, this is often caused by loose battery connections. Battery prongs (terminals) are made of metal. They must be making good contact with your batteries in order for the scale to power on. You can use a paperclip to slightly bend the battery prongs to make them have a better connection. Also some poorly designed batteries have recessed or partially obstructed battery terminals. This may cause your prongs to be touching the plastic housing of the battery instead of the metal battery terminal.

## TRITON T2 TROUBLESHOOTING & OPERATION NOTES:

- 1) If the Display ever becomes locked showing "Out2", please recalibrate the scale as outlined in the manual
- 2) If the Display ever becomes locked on LLLLL, or EEEEE, this indicates that the scale was shocked, dropped or otherwise damaged and the delicate weighing sensors have been damaged. You can try recalibrating the scale (If the sensor has not been hurt too badly it will work again after recalibration). Otherwise you will have to follow the warranty instructions that came with your scale.
- 3) If the display becomes locked on 8888, this often indicates low batteries. However sometimes it also may indicate a serious zero mark error. This means when you turn the scale on, it can't determine what zero is (a slight zero mark error will cause situation #2 above) Thus, if new batteries do not fix this error the scale will have to be sent to us for replacement under our warranty program.
- 4) If the display shows UNST, this means the scale is not stable. Please try operating the scale on a more stable surface and be sure nothing is on the tray or stuck under the tray when you turn it on. If this situation persists, it may be an indication of fatal load cell damage. Try calibrating the scale - if this does not work please follow the warranty instructions. Although the Triton is designed to be extremely durable with extra overload protection built into the case, It's important that you never overload or drop/shock the scale. Scales are delicate instruments and unlike Cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible however there is no way for us to protect 100%

accurate weighing. However an abused scale will only work until it's sensors are damaged.

Thank you for purchasing the Triton T2. With normal care and proper treatment it will provide years of reliable service. **Please read all operating instructions carefully before use.**

**KEEP THE FOLLOWING POINTS IN MIND:**

\* If the display becomes locked on Out2 please recalibrate the scale.

\* Do not Overload (exceed the capacity) of the scale including the weight of any trays or bowls combined with objects you may be weighing. Overload or Dropping/shocking the scale will damage the sensor and void your warranty.

\* Allow sufficient warm up time. Turn the scale On and wait several seconds to give the internal components a chance to stabilize before weighing.

\* The cleaner the environment the better. Dust, dirt, moisture, vibration, air currents and proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.

\* Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, avoid rough treatment as this may permanently damage the internal sensor and void your warranty.

\* Avoid lengthy exposure to extreme heat or cold, your scale works best when operated and stored at normal room temperature. Allow the unit to acclimate to any major temperature change for at least one hour before use.

\*Place the item to be weighed on the platform, after the stable weight is displayed remove the item immediately. This will prolong the longevity and accuracy of this weighing instrument..

.\*\* Do not operate near an in-use cell phone, cordless phone, radio, computer or other electronic device. These devices emit RF and can cause unstable scale readings. If your scale ever performs poorly, try moving the scale to a different room or location. This is a very precise scale - the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds.

**OPERATION**

If your scale ever performs slowly, inaccurately, or shows the battery icon please replace the batteries.

Battery Operation:

- 1) Two "AAA" size Heavy Duty or Alkaline batteries are required.
- 2) To install batteries:
  - a) Release the battery cover by sliding the locks in-wards.
  - b) Place batteries into battery compartment aligned correctly.
  - c) Replace battery cover and lock it.

**DO NOT USE EXCESSIVE FORCE AND DO NOT PRESS ON THE TRAY**

- 3) The scale is now ready for battery operation

## CALIBRATION

Important: Always perform calibration procedure after first turning the unit on and allowing it to warm up and stabilize for 20 seconds. If possible please calibrate the scale on your SCALEPAD (included in the box), mousepad or similar surface. Calibrate your scale at regular intervals if the scale is subject to weather or altitude changes or if the display shows Out2. Incorrect calibration can occur if you do not follow the steps exactly. If your scale does not perform accurately, please also try replacing your batteries. You will need a 100 gram weight (or 200 gram for the 550) to calibrate this scale.

NOTE: if you do not have access to a calibration weight you can purchase one at your local store or in emergency situations you can use coins or weights (ie 20 US Nickels = 100g) as a calibration weight.

### Calibration Procedure:

1) Turn the scale OFF and Place the it on a Flat, very stable surface  
(Be certain the scale is OFF)

2) Press and hold both the "CAL" and "ON/OFF" keys for 5 seconds, the display will show ZERO and then 100.0 (or 200)

3) Gently place the correct calibration weight on the tray and wait 3 seconds.

4) Press the ON/OFF key. The display will show CAL and then PASS, calibration is complete. Gently remove the weight and turn the scale Off.

NOTE: if after calibration your scale does not read accurately, this indicates calibration error and the calibration process should be repeated more slowly. Please calibrate on your scalepad, mousepad or similar surface if possible.

## FEATURES

\* Power Up Segment Test: When first turning the unit on, all segments of the display will appear as shown below. This display will remain for approximately 3 seconds and then reset to zero. The display may also change brightness during this time and show a blank screen for a moment before 0.0 appears

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Stable Reading Indication: This is a very precise scale - the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds.

\* Overload: When an applied load exceeds the capacity. "HHH" will appear on the display. Remove excessive load immediately. The unit may return to normal operation. !Remember: You can permanently damage the scale and void your warranty by overloading it!

\* Negative Value: Any tared value will be displayed as a negative number once all weight is removed, press TARE or cycle the power to re-zero the scale.

\* Auto off: An auto shut off feature is provided to conserve battery power. The unit will automatically turn off after approximately 2 minutes of inactivity.

\*Stable Indicator: There is a "n" stable indicator that appears on the left side of the LCD

\* Special Tray/Cover

The protective cover of the Triton is designed to also be used as a platform expansion tray. The cover can only be removed when the scale is fully open. Simply fully open the scale to unlock the cover and slide the cover towards the left of the scale. As pictured on the box, the cover can be used as a tray. Place it on the scale's weighing platform and turn the scale ON. The scale will automatically TARE (zero) itself with the tray on the scale.(if this does not work properly, you can turn the scale ON, then place the upside down cover on the tray and press the TARE key) This is perfect for weighing loose objects, gunpowder, gems, Chinese herbs and more.

Please keep the protective cover installed when the scale is not in use (it will help protect the scale from possible damage)

#### KEY PAD FUNCTIONS

\* ON/OFF

Press and quickly release this key to turn unit on.

Press and hold to turn off scale

\* TARE / ZERO

Press tare to reset the scale to zero. Tare can be used for eliminating the weight value of an empty container. Place an empty container on the scale and press TARE. Then place the items to be weighed in the container. Tare is also used as MEMORY. Simply place items to be weighed on the tray, press TARE then remove the items. The weight of the items will be displayed as a negative value and remain on the display in memory for easy reading.

NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Depress tare again to return the to zero.

\* CAL

The Cal Key is used to put the scale in Calibration mode as explained in the calibration instructions on the other page.

\*\* These electronic scale are precision instruments. Do not attempt to weigh near an in-use cell phone, radio, computer or other electronic device. These devices emit RF and can cause incorrect or unstable scale readings. Only operate in an interference free, very stable environment. If your scale ever performs poorly, try moving the scale to a different location.

**Please take good care of your TRITON T2 !**

**My Weigh is the Best Weigh**

## **Triton Original (not T2) Manual:**

**TROUBLESHOOTING & OPERATION NOTES:**

manual

2) If the Display ever becomes locked on 1HHH, LLLL or EEEE, this indicates that the scale was shocked, dropped or otherwise damaged and the delicate weighing sensors have been damaged. You can try recalibrating the scale (If the sensor has not been hurt too badly it will work again after recalibration). Otherwise you will have to follow the warranty instructions that came with your scale.

3) If the display becomes locked on 8888, this often indicates low batteries. However sometimes it also may indicate a serious zero mark error. This means when you turn the scale on, it can't determine what zero is (a slight zero mark error will cause situation #1 above) Thus, if new batteries do not fix this error the scale will have to be sent to us for replacement under our Lifetime/30 year warranty program.

4) If the display shows UNST, this means the scale is not stable. Please try operating the scale on a more stable surface and be sure nothing is on the tray or stuck under the tray when you turn it on. If this situation persists, it may be an indication of fatal load cell damage. Try calibrating the scale - if this does not work please follow the warranty instructions.

Although the TRITON is designed to be extremely durable, It's important that you never overload or drop/shock the scale. Scales are delicate instruments and unlike Cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible, however there is no way for us to protect 100% against load cell or sensor damage. A well-treated scale will provide years of reliable and accurate weighing. However an abused scale will only work until it's sensors are damaged.

## PROPER OPERATION AND ENVIRONMENT

- If the display ever becomes locked on Out2, please recalibrate the scale as outlined below.
- Always use a gentle touch on the buttons - don't press hard!
- Avoid lengthy exposure to extreme heat or cold, your scale works best when operated at normal room temperature. Always allow the unit to acclimate to a normal room temperature for at least one hour before use.
- Allow sufficient warm up time. Turn the scale On and wait several seconds to give the internal components a chance to stabilize before weighing.
- The cleaner the environment the better. Dust, dirt, moisture, vibration, air currents and proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.
- Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor and void your warranty.
- Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and **must be handled with extreme care**.
- Only operate the scale on a stable, vibration free surface.
- These electronic scales are precision instruments. Do not operate near an in-use cell phone, cordless phone, radio, computer or other electronic device.

- ever performs poorly, try moving the scale to a different room or location.
- This is a very precise scale - the display may seem to wander or jump when weighing. This is due to air currents or vibrations. Stable weighing is achieved when the display remains fixed for 3 seconds.

#### **(Advanced users only) CALIBRATION**

IMPORTANT: This scale was professionally factory calibrated before shipment and does NOT need to be recalibrated by the end user. However, if you wish to recalibrate your scale we provide these instructions for calibration:

*Important:* Please turn the scale on and allow it to warm up for 30 seconds before calibration. Repeat calibration if the scale ever shows Out2. Incorrect calibration can occur if you do not follow the steps exactly. If your scale does not perform accurately, please try replacing your batteries before you calibrate. You will need a 100gram weight to calibrate this scale.

**NOTE: if you do not have access to a 100g weight you can purchase one at your local store or in emergency situations you can use 100g of coins (ie 20 US Nickels) as a 100g weight.**

#### **Calibration Procedure:**

NOTE: The Triton is designed with a recessed CAL key so that you won't press it by accident during normal use. The CAL key is located between the TARE and ON/OFF keys. There is a small hole in between those keys - use a bent paperclip to press the recessed CAL key in that hole.

1) Turn the scale OFF and Place the it on a Flat, very stable surface

**(Be certain the scale is OFF)**

2) Use a bent paperclip to press and hold the hidden CAL key for 5 seconds until a random large number appears on the display - then release the key.

3) Press the CAL key again, the display will show 2Ero and then 100.0

4) Gently place a 100 gram weight on the scale and wait 3 seconds.

5) Press the CAL key again. The display will show CAL and then PASS, calibration is complete. Gently remove the weight and turn the scale Off.

**NOTE:** if after calibration your scale does not read accurately, this indicates calibration error and the calibration process should be repeated more slowly.

**Please calibrate on a very stable flat surface**

#### **INACCURACY / ERROR**

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. The scale is a precise instrument and must be handled with the utmost care and caution.

##### **\* Power Up Segment Test**

When first turning the unit on, all segments of the display will appear as shown below. This display will remain for approximately 2 seconds and then change to 0. **8:8:8:8**

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#### **KEY PAD FUNCTIONS**

##### **\* ON/OFF**

Press this key to turn unit on or off.

##### **\* TARE**

Press tare to reset the scale to zero. Tare can be used for eliminating the weight value of a container or the integrated sliding tray.

Turn the scale on, Place an empty container or the tray on the scale and press TARE. The scale will reset to 0.0, then place the items to be weighed in the container and the correct weight of the items will appear on the display.

NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Depress tare again to return the display to 0.0.

**\*Auto off** An auto shut off feature is provided to conserve battery power. The unit will automatically turn off after approximately 2 minutes of inactivity.

## **OPERATION**

***If the scale shows the low battery indicator or performs slowly or inaccurately, please replace the batteries. Be sure the batteries are tightly in their compartment and are making contact with the battery prongs. BE CAREFUL NOT to push down on the scale's platform when replacing the batteries!*** It's best to close the main cover (not the battery cover) while replacing batteries. This will help prevent accidental overload of the scale.

Battery Operation:

- 1) Three "AAA" size ALKALINE batteries are required.
  - 2) To install batteries:
    - a) Release the battery cover by sliding the battery cover off.
    - b) Place batteries into battery compartment aligned correctly.
    - c) Replace battery cover by sliding it closed.
- DO NOT USE EXCESSIVE FORCE !**
- 3) The scale is now ready for battery operation.

**\*Out2\*.**

If the display ever becomes locked on Out2 please recalibrate the scale as outlined above.

### **Special Tray:**

The protective cover of the TRITON is designed to also be used as a platform expansion tray. Simply remove the cover, turn it upside-down, and place it on the scale's weighing platform. Now turn the scale ON and the scale will automatically TARE (zero) itself with the tray on the scale. (if this does not work properly, you can turn the scale ON, then place the upside down cover on the tray and press the TARE key) This is perfect for weighing loose objects, gunpowder, gems, Chinese herbs and more.

Please keep the protective cover installed when the scale is not in use (it will help protect the scale from possible damage)

### **Notes:**

It's important that you never overload or drop/shock the scale. This scale is a delicate instrument and must be treated with care and caution. A well-treated scale will provide years of reliable and accurate weighing. However an abused scale will only work until it is damaged. Please be good to your scale!