US BALANCE®
"The Only Weigh!"

US-EXCEL - *User Manual*

Capacity: **500g x 0.1g -** *Weighing modes*: **g, oz, gn, ct**

*Thank you for purchasing US-**EXCEL** digital scale. Please read all operation instructions carefully before use.*

Scales are precision instruments and should always be handled with proper care. To ensure years of reliable service, keep these simple tips in mind:

- Do not exceed the scales maximum capacity. Overloading your scale can permanently damage it!
- Avoid exposure to extreme heat or cold. Scales perform best at normal room temperature. If temperatures have changed dramatically, recalibration may be necessary.
- Allow your scale to acclimate to the room temperature for at least one hour before use.
- Store your scale in a clean, dry location. Dust, dirt, and moisture can accumulate on the weighing sensors and electronics causing inaccuracy or malfunction.
- Avoid using you scale in close proximity to strong radio wave emitting devices such as computers, cash registers, and cordless phones.
- Always weigh on a flat level surface, free from vibrations and drafts. The corner of a room is usually the most stable.
- Gently apply all items to be weighed. Do not drop items onto the weighing platform.
- Avoid dropping your scale. The warranty does not cover damage due to rough treatment or overload.

I- SPECIFICATION

Capacity	500g/17.64oz/321.5dwt/16.07ozt/7715gn/2500ct
Readability	0.01g/0.001oz/0.01dwt/0.001ozt/1gn/0.1ct
Units	g/oz/dwt/ozt/gn/ct
Tare range	Tare full capacity
Auto off	30 seconds
Operation temperature	50-86F
Display	LCD 5 ½ digits
Power	2 x AAA Batteries (Included)
Dimensions	3.74 x 2.16 x 0.62

I- SCALE OPERATION

Place the Scale on a horizontal flat surface.
1. Press [**ON/OFF**] key.
2. Wait until "**0.0**" is displayed.
3. Put the object(s) on the weighing platform.
4. Using the **MODE** key, you can switch among the weighing units.

II-TARE WEIGHING
1. Turn on scale as described above.
2. Place the "Tare Item" on the platform.
3. Press [**TARE**] and wait until [**0.0**] is displayed.
4. Add the "net-weight-item".

III-STANDARD CALIBRATION

1. When the scale is turned off, press [ON/OFF] key to turn on the scale until [**0.0**] is displayed.

2. Press and hold the **CAL** key, until the display read [**CAL**] and then [**500**.0] will flash on the **LCD** display.

3. Place a **500g** weight on the center of the platform.

4. The **LCD** display reads [**PASS**] and then [**500**.0].

5. Remove the weight and press **ON/OFF** to turn off the scale. Finish!

Repeat this process if something was going wrong. Please check the availability of weights at the store you bought your scale from.

V-TROUBLESHOOTING

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.

Display Elimination of errors

[**LO**]	Low battery, please replace the batteries.
[**RECAL**]	Recalibrate the scale as shown above
[**EEEEE**]	You are overloading the scale. Remove the excessive load immediately!
[**LLLLL**]	The delicate weighing load cells have been damaged by misusing the scale (i.e it was shocked, dropped or overloaded). You can try recalibrating the scale, if the load cell has not been damaged too much it will work again after recalibration.
[**UNST**]	Use the scale in a more stable position

Tested to comply with FCC standards