


COMMANDER-BT

USER MANUAL

1.0 explanation

COMMANDER-BT series has a stainless-steel pan, A variety of logos displayed large backlit LCD. There are four easy to use function  ,







, . With the corresponding power module.

2.0 Precautions

- Please do not reduce the accuracy of the scales in place
- Do not place in direct sunlight or near extreme temperature
- Do not put on an unstable platform for weighing
- Avoid using with an unstable power source
- Do not place scale near machine vibration.
- Avoid high humidity and dust as it may cause malfunction of the scale
- Avoid placing the scale near air vents or windows
- Keep the scale clean of debris

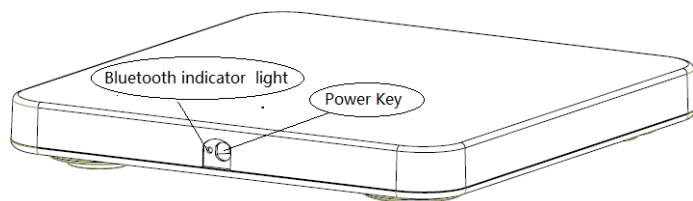
Note: When moving the scale, be careful to avoid bending the connecting cable and connector.

3.0 KEY

	Power on/off
	Press to hold the reading, refer to 11.4 & 11.5
	Press to select unit: KG, Lb, Oz
	Zero or tare the weight

4. Platform and display

4.1 Platform



The platform works with 4*AA battery.

a. Power key:

Press power key for 2 seconds to activate the platform, and the light will be flash every second, and light will be turn on if it is connected to the indicator.

Press power key again to power off the platform. The light will turn off.

b. Light

There are 4 status of the light. If the light is off, the platform is asleep, or battery is low. If the light is on, the platform is connected to the indicator and working. If the light flashes every second, the platform is waiting to be connect to the indicator. If the light is flashing every 0.5 second, the platform is low on power, and you need to be replaced the battery.

c. Connection range

The platform and indicator are connected through wireless Bluetooth communication. Be sure the distance between indicator and platform is less than 5 meters without any obstacle. Try to reduce to the distance if the indicator shows "bt-c".

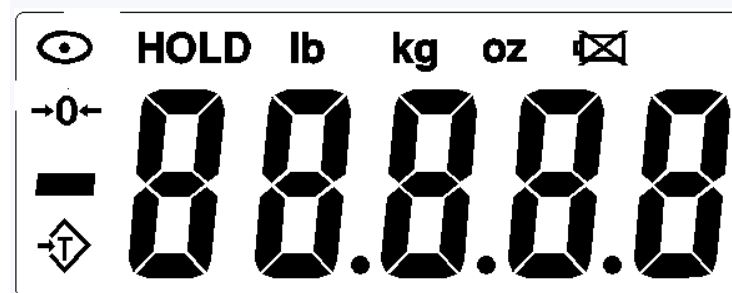
The connected distance will be shorter when the battery is low on power. User can turn the platform to a certain angle for good

connection.

d. How long before you need to replace the battery

The platform can continuously work for about 100 hours if alkaline battery is used. Ni-MH rechargeable batteries are recommended.

4.2 Display of indicator



4.0 A description of each indicator to identify

Symbol	description
→0←	The current scale is zero state
👁	Weighing in stable
kg, lb, oz	Units can be used
🔋	Battery low power, the indicator needs you to replace the battery or power with USB/adaptor
📦	Tare, net weight display

5.0 battery

Indicator: 4*AA battery or USB/adaptor

Platform: 4*AA battery

6.0 backlight display


LCD backlight can be set to remain open until closed or automatically turned off (i.e., when using scales or press the start button) three modes See details in section 11.2 how to setup

7.0 Auto power off function

Automatic shutdown feature can be turned off by the user to set this feature or allow shutdown within a certain time frame for the scale, details see section 11.1.

8.0 Operating Instructions

8.1 Power on


Press  to power on the indicator will self-test, and connect to the platform with Bluetooth, be sure the platform within the range 5 meter and battery is ok if “bt-c” is shown.

The platform’s led light will be on then, and the weight will be show on the LCD of indicator.



press  again will power off the indicator, and the platform will power off too.

8.2 Zero function


If the current weight on pan is less than 1 % of the max. capacity,

 press to zero the scale.



8.3 Tare function

Press  to tare the weight if the weight is less than max. capacity, and the  will be show on the display.

8.4 select units










press  to select units



8.5 print/hold function

If communication output mode is set “pr” (refer to 11.4),  key will send weight to the USB port. If hold mode is set “hod 3” (refer to 11.5),  press key will hold the reading or cancel the hold.




9.0 External calibration

It may need to be re-calibrated after use for some time, or the reading is not correct.

- In the normal weighing mode, the order press  +  +  +  +  to external calibration. Enter the need for external calibration weights weight (unit: KG) , press  Increase value,  to displacement.
- Press  to confirm
- Note: If you select a weight less than or greater than 10% of the weighing , there will display the “CALEr” err code. Press  to re external calibration.
- After passing external calibration, scale will return to weighing mode

The scale can be set as desired by the user to control the weighing operation. Press  to select, and press  to confirm.



11.1 auto power off function

- Turn off the scale press  and turn on the scale, then release the  , displayed “Pr oFF” , press  to select “Pr oFF” or “Pr on”
1. **Pr on:** Enables the Auto Power Off function. The power will be turned off after 2minutes if a key has not been pressed for 2 minutes and the scale is at zero. If there is any weight on the scale or a key is pressed, the scale will continue to work.
 2. **Pr oFF :** Disables the Auto Power Off function. The scale will not automatically turn off.







Press  to confirm

11.2 Backlight settings

The second parameter is to set the backlight, display "bL 3" (default setting)

1. bL 1: backlight always off
2. bL 2: always bright backlight
3. bL 3: If no weight on the pan, then the scale will automatically turn the backlight or when the object is removed after 10 seconds off the backlight after zeroing the scale.
press  to select, press  to confirm and return to weighing mode.

11.3 manage the Bluetooth

It will display "Axxxx" (xxxx: The address of the Bluetooth of the platform), press  +  +  +  +  +  to clear the address if you need replace a new platform for indicator.

- Note: a. the "xxxx" will be "FFFF" if there is no platform connected before.
- b. Please ensure only one platform is around you, and re-power on the indicator to finish the replace operation.

11.4 manage of USB communication

11.4.1 SELECTION OF BAUD RATE

Display will show "b 9600" (DEFAULT SET) There are three options: "b 2400", "b 4800", "b 9600".

11.4.2 SELECTION OF OUTPUT MODE

Display will show "con" (default set), there are three option: "on" (continue output), "st" (stable output), "pr" (print out).

11.5 hold function

Display will show "Hod 3" (DEFAULT SET).

1. Hod 1: No hold function
2. Hod 2: Automatic hold function, it will hold for 15 seconds when the reading is stable.
3. Hod 3: Manual hold function, press hold key will hold the reading, press again will cancel the hold reading.

Note: if output mode of communication is select "pr", "hod 3" will be disabled.



12. 0 USB INTERFACE

The scales come with a bi-directional USB interface.

Interface parameters are: USB
output of weighing data ASCII code
Selectable Baud

You should install the USB-Serial driver, and follow the driver instruction, and then you can use the USB as a serial com.

Input commands format:

Z <cr> <lf>	Tares the scale to display the net weight- same as pressing 
H <cr> <lf>	Sets the scale to hold if the hold function is enabled. Same as pressing the  key.
N <cr> <lf>	Sends the net weight to the USB interface.
G <cr> <lf>	Sends the gross weight to the USB interface.
T <cr> <lf>	Sends the tare weight to the USB interface.

Output format:

G + 2.00 kg <cr><lf>	Gross Weight
N + 1.00 kg <cr><lf>	Net Weight
T + 1.00 kg <cr><lf>	Tare Weight

13.0 Error

There may be some error messages during the boot process is running, the following error message:

Error code	phenomenon	Failure Analysis
"bt-c"	LCD display "bt-c" when power on	The platform is not at the range or lack of battery
"-----"	overload	Weight on the pan exceeds the capacity of the scale. Remove the weight from the pan.
CALEr	Input weight less than or greater than 10% of the weighing displayed "CALEr"	Lead to incorrect calibration, re-calibration process is repeated correctly
Lo	Always show "Lo", the key operation is invalid (except the power button)	Indicator lack of power supply, need replace, or input USB/adaptor
bat-0	LCD show "Lo", platform is flash fast every 0.5 second	The battery of the platform needs to be replaced

When an error message appears, try rebooting, calibration factors or other ways to relieve some of the problem may lead to errors, if the error message still appears, find the proxy service provider contact