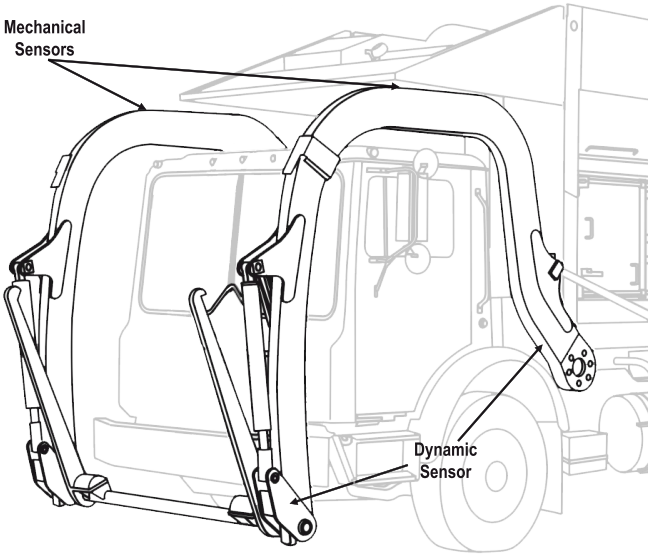
User Manual



USER MANUAL

On-board weighing system
Version 13 A XXX

CLERAL

Manual Revision 05/24

Organization chart

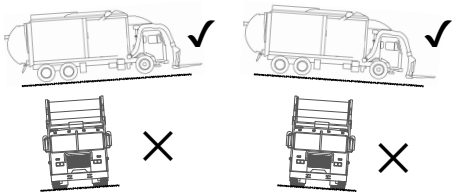
- ON/OFF
- CYCLE
- TARE
- DATA
- UP
- DOWN
- CAL
  - Empty/Vide
  - Full/Plein
- MENU
  - Options/Options
    - Language/Langue
    - Measure unit/Unité mesure
    - Increments/Increments
    - Tare? default choise/Choix défaut Tare?
    - Low display intensity/Basse intensité affichage
  - Configuration/Configuration
    - Printer/Imprimante
    - Rs232
    - Bluetooth
    - M-D-Y/A-M-J
    - Time/Heure
    - Safety menu/Menu securite
    - Front loader
  - Technician/Technicien
    - Gage/Gage
    - Zeros
    - Factors/Facteurs
    - Tare
    - Front loader
    - System Status/État du système

GENERAL INFORMATION

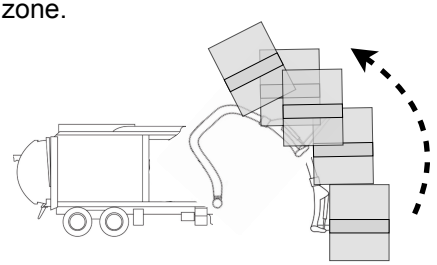
Caution
Your Cleral onboard weighing system is a tool. Learning to work with it can only make it more efficient. Read this manual before using your Cleral scale.

Weighbridge (certified)
Acquire the weights needed to calibrate using a certified weighbridge (Platform scale). Whenever possible, record the weights while remaining on the weighbridge.

Slopes
The BINLOGIX corrects for weight when the terrain has a longitudinal tilt but not when the terrain has a lateral tilt. Learning to work with your Cleral system will ultimately give you better accuracy in these conditions.



Precision lifting operation
When lifting the container and in order to increase the accuracy of the BINLOGIX, the operator must keep the container in a horizontal position as much as possible before the tipping zone.



Lifting speed and accuracy
In order to increase the accuracy of weight measurements, it is best to keep the speed observed although gradual without bouncing.

Technical Support
For technical help, consult your local authorized Cleral dealer.

Warranty
Cleral products are warranted against defects in workmanship for a period of one year from the original date of purchase. The defective covered product will be repaired or replaced by the manufacturer. The defective product needs to be sent by your local dealer to Cleral with proof of purchase. This warranty does not cover injury or damages caused by the use of this product. It also does not cover all costs connected with the replacement part (labor, shipping and handling or other). Cleral will not be liable for fines issued for overweight violations while using its products.

Contact your local Cleral dealer for repairs and replacement parts.

Thank you for choosing and trusting CLERAL.

To contact Cleral Inc.

CLERAL INC.
90, des Distributeurs
Val-d'Or (Québec) Canada
J9P 6Y1
Tel. : (819) 825-5553
Fax : (819) 825-5556
Email: info@cleral.com
Web : www.cleral.com

Turning the unit On

When turning the unit ⏻, the software version is displayed.

BINLOGIX

Thereafter, the system indicates that it initializes its memory.

Initialize memory

If a wireless device is powered, it indicates Wireless OK. If there are no wireless devices powered, the message is not indicated.

Wireless OK

Subsequently, the device will indicate that it initializes its devices internally.

Initialize perip

Thereafter, the serial number of the unit will appear.

Serial # 99999

When initialization is complete, the device returns to the weight display mode.

T : 13400 Gross A : 5400 B: 8000

Navigating the menus

On/Off main power

Access to the calibration menu

To perform empty Tare or To back up while in menus

Lower values or Down while in the menus

Raise values or Up while in the menu

Change channel, right in the menu or confirm

Transmit data by RS232 or print, EXIT

Access to menu

Quick click will Freeze while in Total mode (Main screen)

Click and hold will Pause while in Total mode (Main screen)

Quick click, while in calibration mode, resets values to 0,00

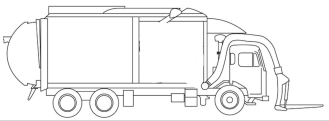
Swaps between high and low programmed intensity

Letter **F:** Represents the weight of the lift

Letter **T:** Represents the total weight in the bin

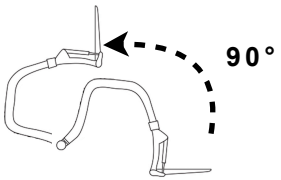
EMPTY CALIBRATION

Move the truck on the flat surface or on weighbridge or surface plate.



Weighbridge or Surface plane

Empty calibration consists of performing 3 lifts without a container and rotating the arms through 90°. Do not move the forks during the operations.



Recording Empty weight

Position the arms so that the forks are parallel to the ground.

Press to enter the calibration mode.

➔Empty Full

The cursor shows empty. Press ➡ to enter Empty calibration

Empty T : 0 F: 0

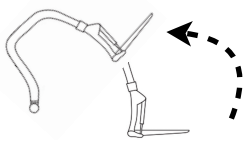
F flashes et indicates 0. Press ➡ to start calibration.

BINLOGIX will successively give you the operations to follow.

Stop
Wait . .
Empty 0 1/3
Empty 0 **Lift** 1/3

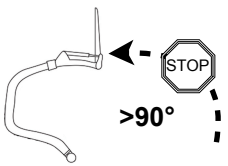
Raise your arms at a normal rotation speed.

Empty **48** **Lift** 1/3



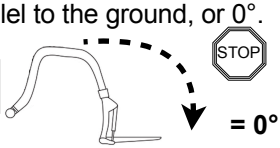
Pass the 90 rotation, the BINLOGIX indicates Stop.

Empty **93** **Lift** 1/3
Wait . .
Empty **93** **Drop** 1/3



Lower the arms so that the forks are in the position parallel to the ground, or 0°.

Stop



Repeat this operation 2 more times.

After the 3 calibrations, BINLOGIX returns that the calibration is OK.

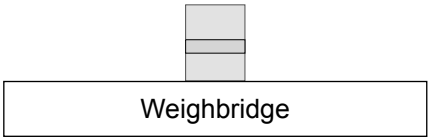
Cal OK

NOTE! If one or more operations did not succeed, BINLOGIX returns Retry. You must start again until BINLOGIX returns Cal OK.

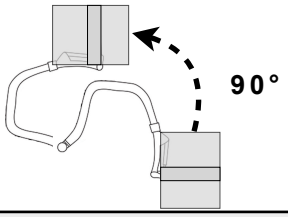
Retry

FULL CALIBRATION

Determine the weight of a container with standard weights. Approximately 2000lbs or 1000kg. Weights must be fixed in the container.

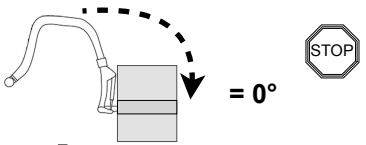


Full calibration consists of performing 3 lifts WITH container and rotating the arms 90°. Keep the forks as horizontal as possible before tipping the container.



Recording Full weight

Position the arms so that the forks are parallel to the ground.



Press to enter the calibration mode.

➔Empty Full

The cursor shows empty. Press ⬇ and ➡to enter Full calibration

Empty ➔Full

F flashes. Use the ⬆ ⬇ to record the weight of the container.

Full	T : 0
	F: 2000

Press ➡ to start calibration.

BINLOGIX will successively give you the operations to follow.

Stop

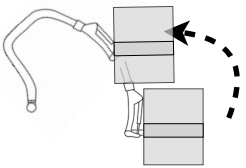
Wait . .

Full	0
	1/3

Full.	0
Lift	1/3

Raise your arms at a normal rotation speed.

Full	**48**
Lift	1/3

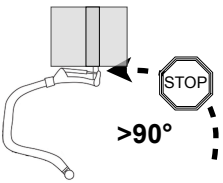


Pass the 90 rotation, the BINLOGIX indicates Stop.

Full.	**93**
Lift	1/3

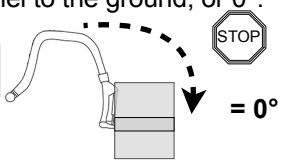
Wait . .

Full.	**93**
Drop	1/3



Lower the arms so that the forks are in the position parallel to the ground, or 0°.

Stop



Repeat this operation 2 more times.

After the 3 calibrations, BINLOGIX returns that the calibration is OK.

Cal OK

NOTE! If one or more operations did not succeed, BINLOGIX returns Retry. You must start again until BINLOGIX returns Cal OK.

Retry

INSTRUCTION FOR USE

DISPLAY EXPLANATION

The T represents the total weight of the material accumulated in the truck box. The F represents the weight of the container and its contents. The degree represents the angle of rotation of the arms.

T: 8500	0°
F: 500	

TARE

When the truck is empty and before starting the picking routine, perform the Tare ⬅ to reset the BINLOGIX to zero.

T: 0	0°
F: 0	

AUTO -REGORDING 90°

The BINLOGIX automatically records all collections. As soon as the arm exceeds 90°; it records the weight information and the lifting number. If by mistake, the driver realizes that he has lifted the wrong container; he can lower it. If he has not transferred the container, the lowered weight will be subtracted from the lifted weight, therefore zero. If a part has been transferred; this weight will be recorded.