FCC ID:2AWG7-SLIMPRO

SlimPRO

Talking Low-Profile Health Scale

Operation Manual

Bascula de salud parlante de bajo perfil

Manual de funcionamiento

PROPER DISPOSAL

When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.

It is everyone's responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that the device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.

FCC COMPLIANCE STATEMENT

This equipment generates uses, can radiate radio frequency, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been designed within the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

You may find the booklet "How to Identify and Resolve Radio TV Interference Problems" prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Request stock No. 001-000-00315-4.

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DISCLAIMER

While every precaution has been taken in the preparation of this manual, the Seller assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from use of the information contained herein. All instructions and diagrams have been checked for accuracy and ease of application; however, success and safety in working with tools depend to a great extent upon the individual accuracy, skill and caution. For this reason, the Seller is not able to guarantee the result of any procedure contained herein. Nor can they assume responsibility for any damage to property or injury to persons occasioned from the procedures. Persons engaging the procedures do so entirely at their own risk.

FEATURES

Capacity:	600 lb x 0.1 lb / 272 kg x 0.1kg
Weight Indication Display: Voice:	 Four-digit, seven segment LCD, 1.4 in / 36 mm high digits with blue backlight English, Spanish, French, Arabic, Hindu, Chinese, OFF
Indicators:	Weight, Height, BMI Calculation, Low Battery, Mother and Baby Mode
Functions:	Mother and Baby weighing mode Baby weight starts from 2.2 lb (1 kg) Auto-ON requires minimum weight of 11 lb (5 kg) Auto-OFF (approximately 5 seconds) Unit: lb/kg, selected by switch on bottom of scale BMI calculation Manual Input Height (75 cm to 225 cm with 1 cm)
Interface:	Bluetooth Low Energy (BLE) 4.0
Power:	Four (4) “AAA” Batteries (included)

UNPACKING

Before using your scale, make certain the scale has been received in good condition. When removing the scale from its packing, inspect it for signs of damage, such as exterior dents and scratches. Keep the carton and packing material for return shipment if it should become necessary. It is the responsibility of the purchaser to file all claims for any damages or loss incurred during transit.

POWER-UP INITIALIZATION

1. Turn the scale over and locate the removable panel on the bottom of the scale.
2. Remove the panel by pushing in on the tab and lifting it up to access to the battery holder.
3. Install the included four (4) “AAA” size alkaline or carbon zinc batteries, noting the polarity markings located in the battery holder.
4. After placing all four (4) batteries in the holder, replace the panel.

5. Place the scale on a flat level surface, such as a desk, table or bench.
6. Lightly press on the scale to turn it on.
7. The scale display will show 0000, then change to a moving 0, and turn off. If not, remove the panel and check for one or more improperly positioned batteries.
8. The scale has completed initialization and is ready for operation.

WEIGHING UNIT SWITCH

The weighting unit switch is a push-button switch located on the bottom of the scale. Pressing the switch will toggle the weighing units between kg (kilograms) and lb (pounds).

NOTE: The default weighing unit setting is lb.

1. With the scale off, using the end of a pen, press the push-button.
2. The Zero weight and current weighing unit setting will be shown on the display, e.g. "0.0 kg".
3. Press the push-button again to toggle to lb.
4. The Zero weight and new weighing unit setting will be shown on the display, e.g. "0.0 lb".

VOICE LANGUAGE SELECTION

1. With the scale off, press and hold the button for at least 5 seconds.
2. The scale display will show the default language En (English).
3. Press the ▲ or ▼ to toggle the voice language selection between:
   - En = English
   - SP = Spanish
   - Fr = French
   - Ar = Arabic
   - Hd = Hindu
   - Cn = Chinese
   - OF = OFF (no voice)
4. Press the ↵ button when you have made you selection.
5. The display will change to show End, and then turn off the scale.

NOTE: The voice language selection is saved in EEPROM, and will not change when replacing the batteries.

LOW BATTERY

When the battery voltage has dropped too low for accurate weighing, the Lo message will be displayed for 2 seconds and the scale will automatically turn off. Remove the old batteries and replace with new batteries before continuing operation.

INSTALLING THE CARPET FEET

If you are using your scale on a carpet, we recommend that you use the included carpet feet. To install the carpet feet, perform the following:

1. Remove the four (4) carpet feet from the packaging.
2. Turn the scale over and locate the four (4) existing feet on the bottom of the scale.
3. Align the prongs of one carpet foot with the holes in one of the scale's existing feet.
4. Insert the carpet foot prongs into the holes, making sure the prongs align straight up and down with the holes of the scale foot.
5. Being careful not to twist the carpet foot, and with even pressure, gently push straight down on the carpet foot to seat it into the scale foot.
6. Repeat steps 3 through 5 for the other three (3) scale feet.

OPERATION

Weighing Only Mode

1. Step on the scale. It will turn on automatically.
2. The scale will measure your weight. Once stable, the display will blink several times and then lock onto your weight. If the voice mode is on, the scale will announce your weight (in the selected language and weighing units).

   For example, if En (English) has been selected for the language and lb (pounds) for the weighing units, the scale will speak "*Your weight is 163.5 pounds*" in English.
3. If you step off the scale before a stable weight is obtained, the scale will display "0.0 lb" for 5 seconds, then a moving zero will be shown on the display, and then the scale will automatically turn off.
4. When step off the scale (after a stable weight is obtained), your weight will be displayed for 5 seconds, then a moving zero will be shown on the display, and the scale will automatically turn off.
5. If you are on the scale for over 20 seconds, the scale will automatically turn off without showing the moving zero on the display.
6. Step off scale. Your weight will continue to be displayed for approximately 5 seconds, and then the scale will automatically turn off.

   NOTE: If the voice mode is on, the scale will say "Goodbye" (in the selected language) when it automatically turns off.

Weighing with BMI Functions

1. With the scale off, press the ▲ or ▼ button.
2. The scale will display the default height or the last height setting used.
   - If lb (pounds) were selected for the weighing units, the default height is 5' 10.0".
   - If kg (kilograms) were selected for the weighing units, the default height is 178.0 cm.
3. Press the ▲ or ▼ button to adjust the height, press ↵ to confirm.
4. When the height value is confirmed, the display will change to show "0.0 lb".
5. Step on the scale and stand still while your weight is measured.
6. The display will blink several times, lock onto your weight, blink your weight several times, and then show your BMI value.
7. If the voice mode is on, the scale will announce your weight, and then announce your BMI (in the selected language and weighing/height units).

   For example, if En (English) has been selected for the language and lb (pounds) for the weighing units, the scale will speak "*Your weight is 163.5 pounds*, *Your BMI is 22.8"* in English.
8. Step off the scale. Your BMI will continue to be displayed for approximately 5 seconds, and then the scale will automatically turn off.

   NOTE: If the voice mode is on, the scale will say "Goodbye" (in the selected language) when it automatically turns off.

OPERATION, CONT.

Mother and Baby Weighing Mode

1. With the scale off, press the button to enter the Mother and Baby weighing mode.
2. The display will change to show "0.0 lb" with the icon flashing.
3. The mother steps on the scale.
4. The display will blink several times, and then lock onto the mother's weight with the icon on. If the voice mode is on, the scale will announce your weight (in the selected language and weighing units).

   For example, if En (English) has been selected for the language and lb (pounds) for the weighing units, the scale will speak "*Your weight is 122.5 pounds*" in English.
5. When the mother steps off scale, the display will change to show "0.0 lb" with the icon flashing which means the scale is ready to weigh the baby.
6. The mother steps onto the scale with the baby.
7. The display will blink several times showing the combined weight of the mother and baby, and then lock onto the baby's weight with the icon on. If the voice mode is on, the scale will announce the baby's weight (in the selected language and weighing units).

   For example, if En (English) has been selected for the language and lb (pounds) for the weighing units, the scale will speak "*The baby weight is 11.4 pounds*" in English.

   NOTE: If the baby's weight is lower than 2.2 lb (1kg), the scale will display "- - - ".
8. The mother steps off the scale with the baby.
9. The display will change to show "0.0 lb" with the icon flashing.
10. To weigh another baby, repeat steps 3 through 8.
11. If there are no weighing operations within 15 seconds, a moving zero will be shown on the display, and the scale will automatically turn off. If the voice mode is on, the scale will say "Goodbye" (in the selected language) when it automatically turns off.

    NOTE: When the scale is turned on again, it will be in normal weighing mode.

BLUETOOTH FUNCTIONS

Bluetooth Pairing

To pair a Bluetooth-capable device with the scale, select the name of the scale "Chipsea-BLE" from the list of available connections.

Weight Data

GATT Service ID: 0000fff0-0000-1000-8000-00805f9b34fb

Characteristic ID: 0000fff1-0000-1000-8000-00805f9b34fb (Need to subscribe to get data)

0	1	2	3	4	5	7 to 19
Packet Header	Data					
0xFA	0x04 (Temporary Weight) or 0x05 (Lock weight)	Abnormal information: 0. Normal weighing 1. Overload 2. Minus value 3. Low battery warning 4. Auto Zero	Units 0 – KG 1 – LB	Decimal place 0 – No decimal 1 – 1 decimal point 2 – 2 decimal point	Weight (high bit in front, low bit after)	Not used

TROUBLESHOOTING GUIDE

The following guide will assist you in determining errors and problems you may encounter with your Detecto® SlimPro Low-Profile Health Scale.

SYMPTOM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Err0 is displayed for about 2 seconds and the scale turns off.	Initialization Error	Step off the scale. Press lightly on the scale to re-initialize it. The display will show a moving zero and then turn off. The scale is ready for use again.
Err 1 is displayed for about 2 seconds and the scale turns off.	Unstable weight	Repeat weighing measurement again, standing very still while the weight computation is in process.
Err2 is displayed for about 2 seconds and the scale turns off.	Weight on scale exceeds scale capacity.	Ensure scale is empty and not touching anything before stepping on it to weigh. If scale continues to show Err2, contact your scale service representative.
Lo is displayed for about 2 seconds and the scale turns off.	One or more batteries are too low for accurate weighing and should be replaced.	Remove battery panel on bottom of scale. Replace all four (4) batteries, and then re-install battery panel.
Scale will not turn on after replacing batteries.	One or more batteries may be installed incorrectly.	Remove battery panel on bottom of scale. Verify that all four (4) batteries are installed correctly in battery holder, and then re-install battery panel.
Scale is displaying weight in wrong weighing units.	Wrong weighing units selected during scale setup.	Ensure scale is off. Press the push button weighing units switch on bottom of scale to toggle to correct weighing units.
Scale is speaking weight in wrong language or not at all.	Wrong voice language selected during scale setup.	Refer to Voice Language Selection instructions to select desired voice language.
Weight displayed is wrong or display erratic.	Is scale used on carpeted or non-carpeted floor? Carpet feet should be installed when scale is used on carpeted floor. On non-carpeted floor, carpet feet should not be installed.	If scale is used on carpeted floor, check if carpet feet are installed. If not, install carpet feet and perform weighing operation again. If scale continues to show wrong or erratic weight, move scale to non-carpeted floor and perform weighing operation again. If on non-carpeted floor, scale continues to show wrong or erratic weight, contact your scale service representative.

STATEMENT OF LIMITED WARRANTY

Detecto Scale warrants its equipment to be free from defects in material and workmanship as follows: Detecto warrants to the original purchaser only that it will repair or replace any part of equipment which is defective in material or workmanship for a period of two **(2) years from date of shipment**. Detecto shall be the sole judge of what constitutes a defect.

During the **first ninety (90) days** Detecto may choose to replace the product at no charge to the buyer upon inspection of the returned item.

After the first ninety (90) days, upon inspection of the returned item, Detecto will repair or replace it with a remanufactured product. The customer is responsible for paying for the freight both ways.

This warranty does not apply to peripheral equipment not manufactured by Detecto; this equipment will be covered by certain manufacturer's warranty only.

This warranty does not include replacement of expendable or consumable parts. This does not apply to any item which has deteriorated or damaged due to wear, accident, misuse, abuse, improper line voltage, overloading, theft, lightning, fire, water or acts of God, or due to extended storage or exposure while in purchaser's possession. This warranty does not apply to maintenance service. Purchased parts will have a ninety (90) day repair or replacement warranty only.

Detecto may require the suspect product to be returned to the factory; item(s) must be properly packed and shipping charges prepaid. A return authorization number must be obtained for all returns and marked on the outside of all returned packages. Detecto accepts no responsibility for loss or damage in transit.

STATEMENT OF LIMITED WARRANTY

Conditions Which Void Limited Warranty

This warranty shall not apply to equipment which:

A.) Has been tampered with, defaced, mishandled or has had repairs and modifications not authorized by Detecto.

B.) Has had serial number altered, defaced, or removed.

C.) Has not been grounded according to Detecto's recommended procedure.

Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier in accordance with freight carrier regulations.

This warranty sets forth the extent of our liability for breach of any warranty or deficiency in connection with the sale or use of the product. Detecto will not be liable for consequential damages of any nature, including but not limited to, loss of profit, delays or expenses, whether based on tort or contract. Detecto reserves the right to incorporate improvements in material and design without notice and is not obligated to incorporate improvements in equipment previously manufactured.

The foregoing is in lieu of all other warranties, express or implied including any warranty that extends beyond the description of the product including any warranty of merchantability or fitness for a particular purpose. This warranty covers only those Detecto products installed in the forty-eight (48) contiguous continental United States.

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08/27/2014
Printed in USA
D268-WARRANTY-DET-A

FCC statements:
The device has been evaluated to meet general RF exposure requirement,
The device can be used in portable exposure condition without restriction

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer:	**CARDINAL SCALE MANUFACTURING CO.**
Address:	**203 EAST DAUGHERTY ST., PO BOX 151, WEBB CITY, MISSOURI 64870, USA.**
Zip code & City:	**WEBB**
Country:	**USA**
Telephone number:	417-673-4631

declare that this DoC is issued under our sole responsibility and that this product:

Product description:	**Talking Low-Profile Health Scale**
Type designation(s):	**SLIMPRO**
Trademark:	**DETECTO**

Object of the declaration (further identification of the radio equipment allowing traceability; it may include a color image for the identification of the radio equipment):

SLIMPRO is Talking Low-Profile Health Scale which incorporates BT.

is in conformity with the relevant Union harmonization legislation:
Radio Equipment directive: **2014 / 53 / EU**
and other Union harmonization legislation where applicable:

CE

with reference to the following standards applied:

ETSI EN 301489-1 V2.2.3; Draft ETSI EN 301489-17 V3.2.2;

ETSI EN 300328 V2.2.2;

EN 50663:2017;

EN 62368-1:2014+A11:2017;

The Notified Body Phoenix with Notified Body number *0700* performed:
Applicable Modules: B+C

Where applicable:
The issued the EU-type examination certificate.

Description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the DoC:

Hardware version: [V1.1]; Software version: [BM16H1S4.0.5_20200512]

Signed for and on behalf of:

Larry Hicks
Executive Vice-President

WBBB 2020.06.12
Place and date of issue

Name, Function, signature