# BTPrinter Installation Instructions

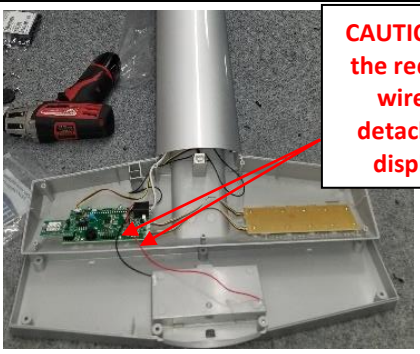
**Tools Required:** Phillips head screwdriver, 1/8” T handle wrench (for use with 3105KL-AM only)

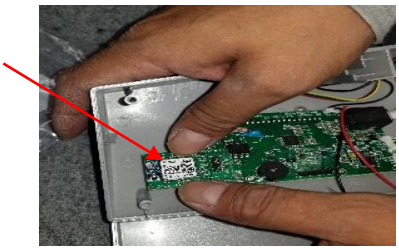
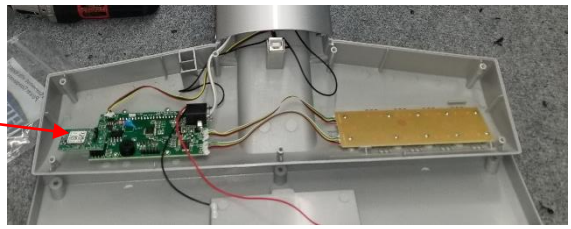
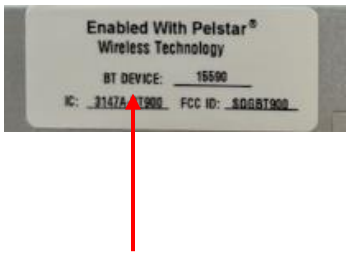
**Parts List:**

- Green wireless module, for installation into the scale
- BTPrinter paired with green wireless module
- “Enabled with Pelstar® Wireless Technology” label, to be applied to scale after module install

***Note:*** *If multiple kits were purchased, ensure to keep paired components together. The wireless module from the kit is specifically paired to the printer from the kit and not interchangeable with other modules.*

## Install Instructions for 500KL/500KG Scales

| | |
|---|---|
| 1. Carefully place the scale on a table or floor as shown with the front of the display facing down. | |
| 2. Using a Phillips head screwdriver, remove the screw from the battery compartment cover located on the back of the display. Remove the battery cover by pressing downward on the locking tab. Remove the batteries and set the batteries aside to be replace in the final step. Unplug the A/C adapter from the base if it is plugged in. | |
| 3. Remove the 7 screws in the rear of the display head and set aside for use in step 6. | |
| 4. Gently open the display head. **CAUTION: Do not fully separate the display head halves. Ensure the red and black wires remain attached.** |   |

| | |
|---|---|
| 5. Carefully insert the wireless module into the 8 pin socket located on the green board as shown. Observe the orientation of the wireless module. Gently press until secure, do not apply extreme pressure. |   |
| 6. Carefully close the display head and replace the 7 screws obtained in step 3, reinstall the batteries, the battery cover and retaining screw. | |
| 7. Apply the included “Enabled with Pelstar Wireless Technology” label on the back of the scale.<br><br>Use a pen or permanent marker to add “-BTP” to the model number on the product label.<br><br>**When applying the label, ensure the BT device number matches the serial number on the BTPrinter. The BT device number and serial number must match in order to print. |  |

## Enabling the Wireless Option

To allow the scale to wirelessly connect to the printer, the wireless option must be enabled.

1. While the scale is turned off, press and hold **ENTER/SELECT** then press and release the ⏻ button. Hold **ENTER/SELECT** until “AOF=E” or "AOF=d" appears on the display, then release. Use the ▲ or ▼ buttons to advance the display screen until “Bt” appears. Press **ENTER/SELECT** to change the setting to "Bt = E". **Note:** If the wireless module is not installed properly the display will show “Error”
2. Press **CLEAR/REWEIGH** to save your selection and exit the Options mode.
3. The scale will restart. The display will show “UEr”, followed by a version number, and then dashes. When the display shows “0.0” the scale is ready to use.

For further assistance, contact Health o meter® Professional Scales Technical Support at 1-800-638-3722.

## Install Instructions for 1100, 1110, 2101, 2000, 2500, 2600, 2610, 2650, 2700, 2900 KL and KG Scales

**Before starting the installation process remove the batteries and power adapter.**

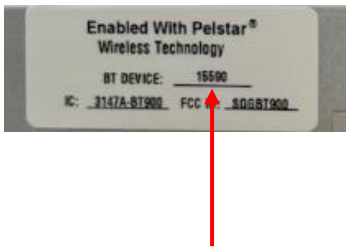
| | |
|---|---|
| 1. a. If batteries are installed, use a Phillips head screwdriver to open the battery compartment on the side of the display head. Remove the battery compartment and set aside to reinstall after the keypad is replaced.<br><br>b. Unplug the A/C adapter if it is plugged in.<br><br>c. Unplug the load cell cable. | |
| 2. Use a Phillips head screwdriver to remove the display head bracket cover on the back of the display head. | |
| 3. Use the Phillips head screwdriver to remove the display head from the mounting bracket on the top of the scale. | |
| 4. Use the Phillips head screwdriver to remove the 6 screws on the rear of the display head. Carefully open the display head, ensuring not to damage internal components. Do not touch any circuitry, ribbons or cables other than the keypad ribbon. Tape may be loosened or temporarily removed to allow the display head to be opened more easily. | |
| 5. Carefully insert the wireless module into the 8 pin socket located on the green PC board as shown. Observe the orientation of the wireless module as shown. Gently press until secure, do not apply extreme pressure. | |

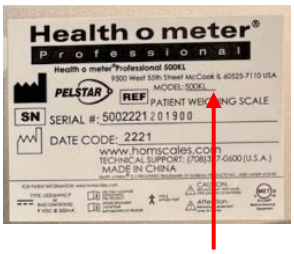
6. Carefully close the display head and replace the 6 screws removed in step 4. Before reassembling the display head onto the scale, plug in the load cell cable and power adapter to ensure the scale powers on and the keypad is functioning properly. Then follow steps 1 through 3 in reverse to install the display head back onto the scale.

7. Apply the included “Enabled with Pelstar Wireless Technology” label on the back of the display head.

   Use a pen or permanent marker to add “-BTP” to the model number on the product label.

**When applying the label, ensure the BT device number matches the serial number on the BTPrinter. The BT device number and serial number must match in order to print.

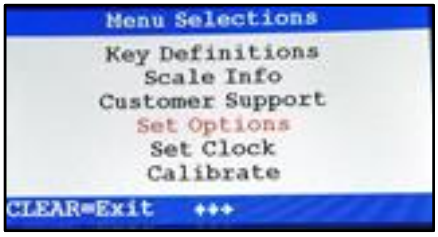


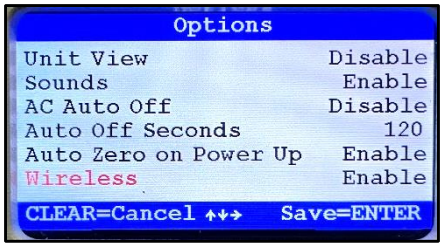



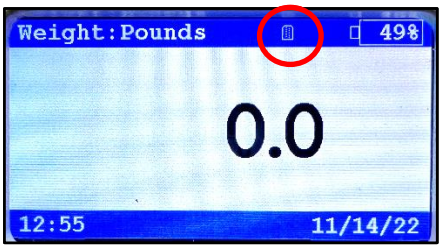

## Enabling the Wireless Option

Enabling the Wireless Option

To allow the scale to wirelessly connect to the printer, the wireless option must be enabled. Power on the scale. Press Help to access the help menu. While in the help menu, press ⬇ to select "Set Options". Press ➡ to advance to the next menu. Press ⬇ to navigate the options until you reach the wireless option. Press ➡ to enable wireless. Ensure the wireless setting shows "Enable". Press ENTER to save the options, then press CLEAR to exit the help menu. Check that the card icon is displayed in the blue top portion of the screen. This icon indicates that wireless is enabled.




For further assistance, contact Health o meter® Professional Scales Technical Support at 1-800-638-3722.

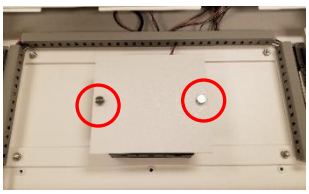
# Install Instructions for 2210KL-AM Series Scales

**Before starting the installation process, remove the weighing tray, batteries, and the power adapter.**

1. Remove the two thumb screws on the back of the scale and set aside. Carefully lift the cover off the scale.

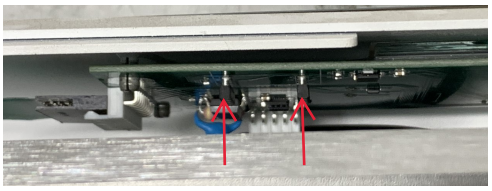
   Unplug the A/C adapter if it is plugged in.

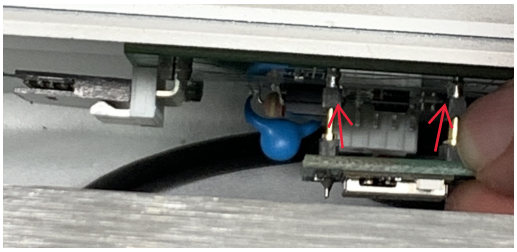
2. If batteries are installed, remove the two thumb screws on the top of the battery compartment located in the center of the inside of the scale and remove the batteries. Set aside to reinstall in step 3. If batteries are not installed, skip to the next step.

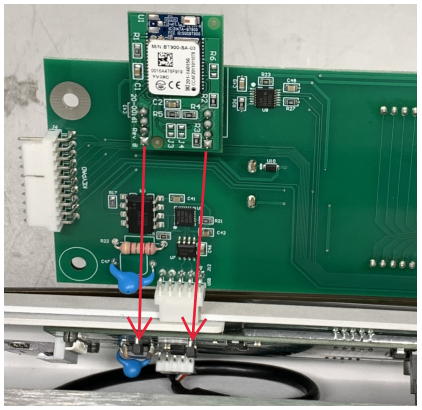


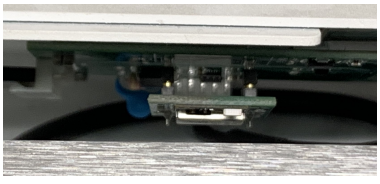
3. Position the scale where you can more easily access the circuit board located behind the keypad. Carefully insert the wireless module into the 8 pin socket located on the board as shown. Two images included show the 8 pin socket on a circuit board outside of the scale next to the circuit board behind the keypad. Gently press until secure, do not apply extreme pressure. The wireless module should be hanging off of the edge of the board when secured.

   Replace the batteries if removed. Before replacing the scale cover, press the power button to ensure the scale powers on. Power off the scale and reinstall the scale cover by replacing the two thumb screws on the back of the scale. Replace the weighing tray before powering on the scale again.









| | |
|---|---|
| 4. Apply the included “Enabled with Pelstar Wireless Technology” label on the back of the scale.<br><br>Use a pen or permanent marker to add "-BTP" to the model number on the product label.<br><br>**When applying the label, ensure the BT device number matches the serial number on the BTPrinter. The BT device number and serial number must match in order to print. | |

## Enabling the Wireless Option

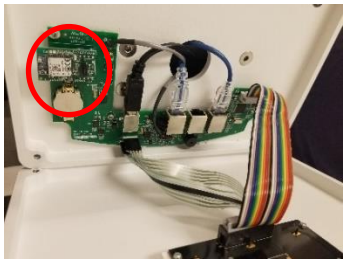
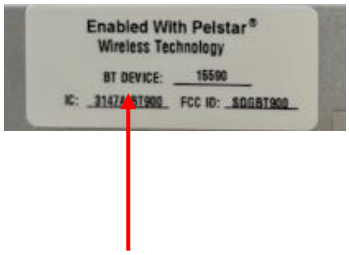
To allow the scale to wirelessly connect to the printer, the wireless option must be enabled.

1. While the scale is turned off, press and hold **ENTER/SELECT** then press and release the ⏻ button. Hold **ENTER/SELECT** until “AOb” appears on the display, then release. Use the ▲ or ▼ buttons to advance the display screen until “rAd” appears. Press **ENTER/SELECT** to change the setting to "rAd = E".
   **Note:** If the wireless module is not installed properly the display will show “Error”
2. Press **CLEAR/REWEIGH** to save your selection and exit the Options mode.
3. The scale will restart. The display will show “UEr”, followed by a version number, and then dashes. When the display shows “0.0” the scale is ready to use.

For further assistance, contact Health o meter® Professional Scales Technical Support at 1-800-638-3722.

# Install Instructions for 3105KL-AM Series Scales

**Before starting the installation process remove the batteries and power adapter where applicable.**

| | |
|---|---|
| 1. Unplug the A/C adapter if it is plugged in. Use a Phillips head screwdriver to remove the four screws from the battery door on the rear of the pillar. Gently rest the battery pack on the outside of the scale. Remove the batteries and set aside to replace in step 3. Replace the battery door. | |
| 2. Use a 1/8” T handle wrench to remove the four screws in the corners in the rear of the display head. Carefully open the display head, ensuring not to damage internal components. Do not touch any circuitry, ribbons or cables. Note: keep a firm hold on the front of the display head when removing the screws. | |
| 3. Carefully insert the wireless module into the 8 pin socket located on the green board as shown. Observe the orientation of the wireless module as shown. Gently press until secure, do not apply extreme pressure.<br><br>Carefully close the display head and replace the 6 screws removed in step 1. Plug in the power adapter and/or replace the batteries. |  |
| 4. Apply the included “Enabled with Pelstar Wireless Technology” label on the back of the scale.<br><br>Use a pen or permanent marker to add “-BTP” to the model number on the product label.<br><br>**When applying the label, ensure the BT device number matches the serial number on the BTPrinter. The BT device number and serial number must match in order to print. |  |

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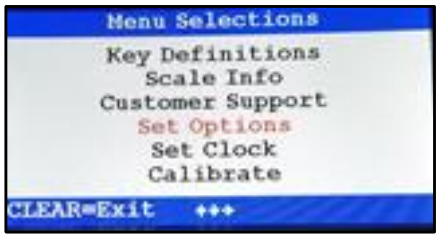


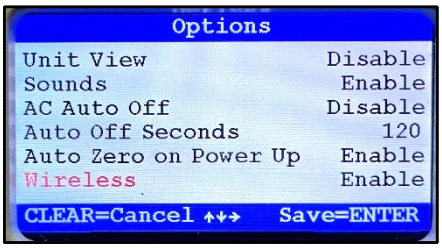

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## Powering the Printer

Before first use, the protective tape must be removed from the power nodes on the battery.

| | |
|---|---|
| 1. To access the battery compartment, place the printer upside down on a flat surface. Push down on the tab to open the battery compartment. | |
| 2. Remove the battery from the compartment. Then remove the protective tape covering the nodes. Ensure all tape is removed. | |
| 3. Re-insert the battery into the battery compartment ensuring that the nodes on the battery are in contact with the nodes inside the compartment. Reattach the battery cover. | |

**Plug the battery charger into the printer and charge for a minimum of 10 hours to completely charge the battery.**

**Note:** Charger will not power the printer without the battery installed.

## Installing the Paper

The power light will flash blue when out of paper. Follow this procedure to install a new roll of paper. The printer uses 58mm thermal paper with a maximum roll diameter of 20mm.

| | |
|---|---|
| 1. Open the printer top cover | |
| 2. Insert the paper roll with the end extending from the bottom, not over the top of the roll. | |
| 3. Pull a small amount of paper outside of the printer, then close the top cover. Press the feed button to feed more paper out of the printer. | |

# Operating Instructions / Troubleshooting

## Operating Instructions

1. Turn the printer on by holding down the power button for a few seconds until the blue light appears.
2. Power on the scale.
3. When the scale is in idle mode (displaying '0.0'), allow 5 seconds for it to establish a connection with the printer.
   Note: On larger platform and wheelchair scales that include a help button on the keypad, you will see a card at the top if the wireless option is enabled. Once the scale connects to the printer, an antenna icon will appear next to the card. On other scales, with the wireless option enabled you will see a flashing wifi antenna icon. This icon will stop flashing and stay solid once the connection to the printer is established.
   Note: When the scale and printer are connected, if the scale or printer is turned off and on immediately, allow 15-20 seconds for the previous connection to be broken and a new connection to be established.
4. Ask the patient to step on the scale. The scale will begin to display weight information and will lock on the patient's weight when the stable weight of the patient is determined. Depending on the movement of the patient on the scale, it may take several seconds for the scale to lock onto the weight.
5. Once weight measurement locks, the printer will begin printing.
6. To print height and BMI data, follow the BMI calculation procedure for your scale model. When the scale calculates the BMI measurement the printer will print weight, height, and BMI data. Have the patient remain on the scale until the printer is done printing.

## Troubleshooting

**BT900 Printer Fault Symptoms**

| Problem | Possible Cause | Suggested Action |
|---|---|---|
| No Printout | Scale out of communication range | Check that the distance between the scale and BT900 Printer is less than ~328ft (100m) |
| | Wireless network interference | Move scale or BT900 Printer away from nearby wireless devices |
| | Wireless modules were mismatched | Ensure that the wireless module and BTPrinter serial numbers match |

**PRINTER SERIAL NUMBER AND WIRELESS MODULE NUMBER MUST MATCH TO ENABLE WIRELESS COMMUNICATION**

# REGULATORY INFORMATION

**FEDERAL COMMUNICATION COMMISSION (FCC) STATEMENT – BT900 MODULE**

This EUT is in compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

The BT900 is fully approved for mobile and portable applications.

Modular Approval, FCC and IC

FCC ID: SQGBT900,  IC: 3147A-BT900

FCC Warning: This device complies with part 15 of the FCC rules and industry Canada license-exempt RSS standard(s). 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.

**CE REGULATORY – BT900 Module**

The BT900-SA has been tested for compliance with relevant standards for the EU market. See table below.
EU Directives: 2014/53/EU – Radio Equipment Directive (RED)

| Article Number | Requirement | Reference Standard(s) |
|---|---|---|
| 3.1a | Low voltage equipment safety<br><br>RF Exposure | EN 60950-1:2006+A11:2009+A1 :2010+A12 :2011+A2 :2013<br>EN 62311 :2008 |
| 3.1b | Protection requirements with respect to electromagnetic compatibility | EN 301 489-1 v2.2.0 (2017-03)<br>EN 301 489-17 v3.2.0 (2017-03) |
| 3.2 | Means of the efficient use of the radio frequency spectrum (ERM) | EN 300 328 v2.1.1 (2016-11) |

**SAR COMPLIANCE**

The USB Wireless Dongle and BT900 Module are SAR compliant.