

Health o meter[®]

P r o f e s s i o n a l




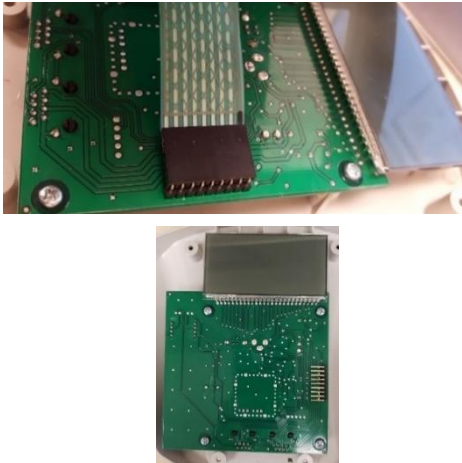
BTKIT-02 Installation Instructions

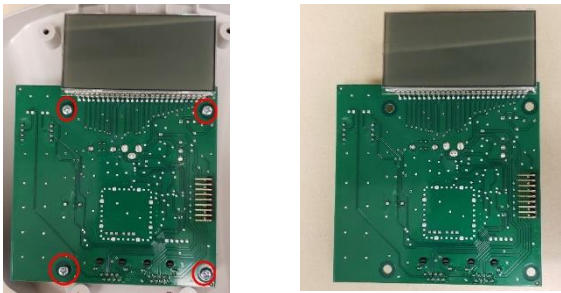

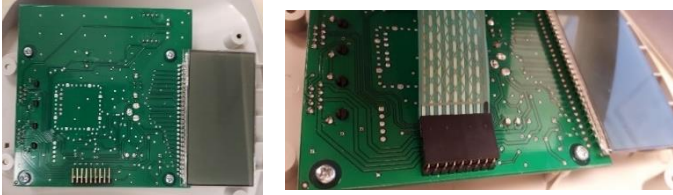


Tools Required: Phillips head screwdriver

Parts List:

- Green wireless module, for installation into the scale
- USB dongle, 1ft extender cable, for use when connecting to external device
- “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 USB dongle from the kit is specifically paired to the wireless module from the same kit and not interchangeable with other dongles.

<p>1. Remove the batteries and set the batteries aside to be replace in the final step. Unplug the A/C adapter from the base if being used. Using a Phillips head screwdriver, remove the screw from the back of the display module to be able to access the cables on the back of the display head.</p>	
<p>2. Unplug the two cables.</p>	
<p>3. Remove the display module on top of the pillar. Remove the 4 screws in the rear of the display head and set aside for use in step 7.</p>	
<p>4. Gently open the display head. Be careful while opening the display head as the keypad cable is connected to the PCB, which is mounted on the back case of the display head. Remove the keypad cable by pushing the black housing away from the connector pins.</p>	

<p>5. Use a Phillips Screwdriver to detach the PCB from the back cover of the display head.</p>	
<p>6. Obtain the green wireless module from the packaging. Carefully insert the wireless module into the Port JR1 on the back of the PCB as shown. Observe the orientation of the wireless module. Gently press until secure, do not apply extreme pressure.</p>	
<p>7. Obtain the front cover of the display head with the keypad removed in step 3. Plug the keypad cable into its port on the PCB.</p>	
<p>8. Carefully close the display head and replace the 4 screws obtained in step 3. Replace the display head onto the top of the scale pillar. Plug the cable labeled "SCALE" into the SCALE jack, plug the cable labeled "COM" into the COM jack. Replace the screw removed in step 1 to secure the display head back onto the scale. Replace the batteries or AC adapter.</p>	
<p>9. Apply the included "Enabled with Pelstar Wireless Technology" label on the back of the scale.</p> <p>Use a pen or permanent marker to add "-BT" to the model number on the product label.</p> <p>**When applying the label, ensure the BT device number matches the serial number on the included USB dongle. The BT device number and serial number must match when connecting to an external device.</p>	

Follow these steps to activate the BT option in the scale firmware.

Power on the scale head using DC power supply (ADPT50). While it's powering on and displaying "Start" press the keys, in order, ZERO-UNITS-UNITS-ZERO to enter calibration/program/test mode. When it displays "Cal", use the UP or DOWN keys until it displays "Prog". Press the ENTER key to enter into the program mode. Make sure that each of the options, OPT1 to OPT11, are the same as shown below then press OFF key to turn off the scale head.

Note: There is no OPT9 option in the program mode.



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

Transmitting Data to a Welch Allyn Connex Device

To allow the scale to wirelessly transmit data to a Welch Allyn® Connex® monitor, the included hardware must be attached to the Welch Allyn® device. See page 5 for details about connecting the scale with WelchAllyn® monitors. From the Welch Allyn® device, data can be transferred into an EMR. For data to transfer to the EMR, the EMR installed on the user's PC must be included on the list of Welch Allyn EMR partners. Visit www.welchallyn.com to view a complete list of EMR partners. "BT" scales are preconfigured to interface with the following Welch Allyn® Connex® devices: Connex® Spot Monitor, Connex® Vital Signs Monitors, Connex® Integrated Wall Systems.

Transmitting Data to a Windows® PC

To allow the scale to wirelessly transmit data to a Windows® PC the scale must first be paired to the wireless settings on the user's PC. See page 6 for more information about the set up for use with a PC. Transmitting data into an EMR system requires that the user's Windows® PC has one of the following systems installed: Allscripts TouchWorks® or Professional™, Midmark® IQmanager® or ChARM Health EHR.

- **Allscripts Interface:** To complete the connection to an Allscripts systems, users must download the Allscripts app available at www.homscales.com/innovations/connectivity-solutions. Follow the installation instructions included with the download. To complete installation, Allscripts must activate the app within the user's account to allow for interface between the scale and the Allscripts system on the user's PC.
- **Midmark Interface:** Connection between the scale and Midmark IQ Manager requires that the user's PC have the IQ Manager software installed. For further information users must contact Midmark Technical Support.
- **ChARM Health EHR Interface:** ChARM Health users must contact their account manager to set up the service.

Transmitting Data to a Ceiba IoMT eConnect Box

The wireless module inside the scale communicates directly with the Ceiba IoMT eConnect Box. Scale and eConnect box set up and pairing is provided by Ceiba. For more information, contact your Ceiba account representative or Scott Gottman at sgottman@homscales.com.

Health o meter® Professional supports customers who wish to develop interfaces to their EMR and other computer systems. Developers can obtain the communication protocols needed for the scale models used in their particular environment at www.homscales.com/innovations/connectivity-solutions.

Windows® PC Requirements

- This installation is exclusively compatible with Windows® XP/Vista/7
- CPU of 1.7GHz and above
- Minimum 512MB RAM
- Available USB 2.0 Port
- Bluetooth® Capable or Bluetooth® Card*

Cautions and Warnings

- To prevent installation and performance issues to your PC, please follow these instructions carefully.
- For accurate data collection, confirm and upload the data according to the procedure described in this manual.
- Data validation must be confirmed by the user from the scale to the receiving device to ensure accurate data collection.

**Bluetooth® is a registered trademark of the Bluetooth Special Interest Group. While Health o meter® Professional scales use proprietary technologies for reliably communicating with other devices, it can also be used with many Bluetooth® interfaces. To see if your Bluetooth® device is compatible with the Health o meter® Professional protocols see page 7.*

Hardware Included

(Note: the included hardware is only used when connecting to a Welch Allyn monitor. No hardware is needed when connecting to a Windows® PC or a Ceiba eConnect box.)



USB Wireless Dongle

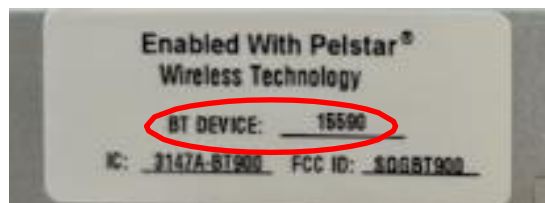


USB Extender Cable 1 ft.

Note: The BT device number on the scale must match the serial number on the USB dongle. Note: If multiple kits were purchased ensure to keep paired components together. The USB dongle from the kit is specifically paired to the wireless module from the same kit and not interchangeable with other dongles.



USB wireless dongle



SERIAL NUMBER AND BT DEVICE NUMBER MUST MATCH TO ENABLE WIRELESS COMMUNICATION.

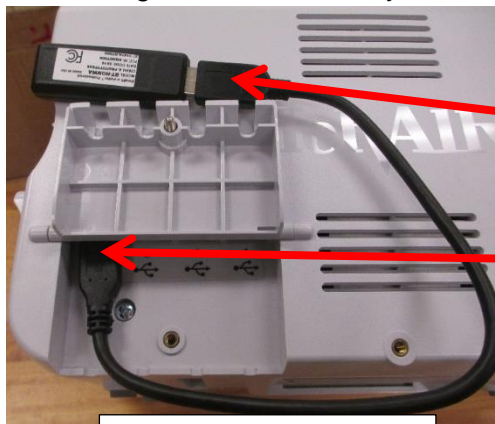
SET UP FOR WELCH ALLYN CONNEX DEVICE

The following instructions illustrate the hardware set up for connecting to a Welch Allyn® Connex® Vital Signs Monitor (CVSM). USB ports on the Connex Spot and Integrated Wall Systems are located on the underside of the monitor.

1. Obtain the USB Wireless Dongle and the USB extender cable from the carton.



2. Connect the USB dongle to the Welch Allyn® CVSM or Connex Spot Monitor as shown below.



Welch Allyn® CVSM

HOMWA Unit Connection to CVSM

- 1) Connect the USB extender cable to the USB dongle.
- 2) Connect the other end of the cable to any available USB port on the Welch Allyn® CVSM



Welch Allyn® Connex Spot Monitor

HOMWA Unit Connection to CVSM

- 1) Connect the USB extender cable to the USB dongle.
- 2) Connect the other end of the cable to the USB port on the Welch Allyn® Connex Spot Monitor

Note: The USB dongle may be plugged directly into the Connex monitor without the extender cable.

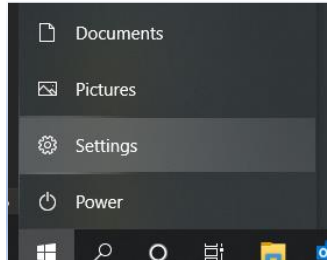
3. Power on the Welch Allyn® unit and power on the scale to initialize wireless communication. The connection is now established.
4. To enable weight scale communication on the Welch Allyn® CVSM, follow these steps.
 - a) Connect the CVSM to a PC to access the Welch Allyn® Service Tool. This service tool comes with the Welch Allyn® device or can be downloaded at www.welchallyn.com/en/service-support/service-center/service-tool.html
 - b) Follow the prompts in the Service Tool to activate the weight scale license.
 - c) Activate the license by entering the authorization code A66FF29A3B2F85E1

***Note:** Weight scale communication is already enabled on Welch Allyn® Connex® Spot monitors.

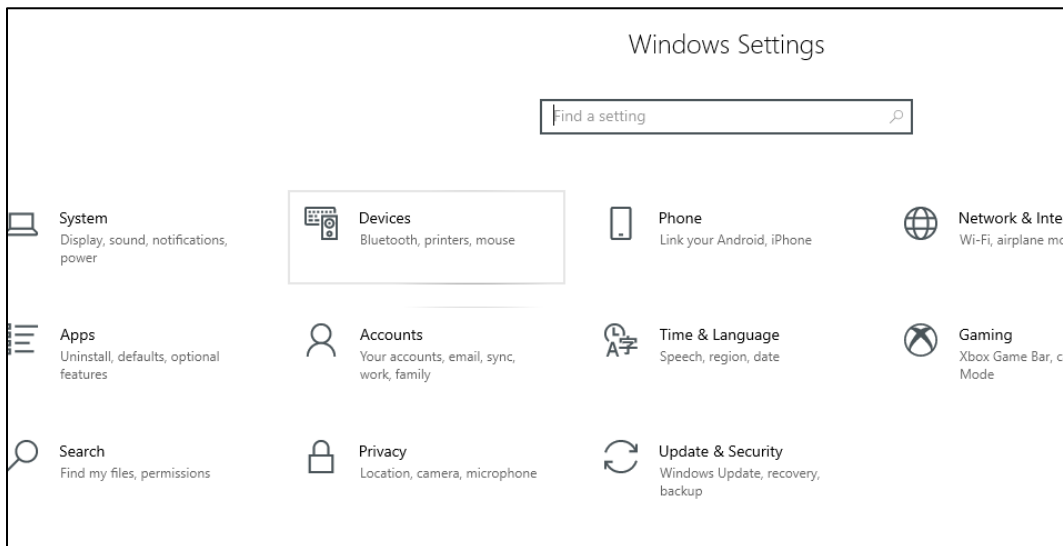
SET UP FOR WINDOWS® PC

While Health o meter® Professional scales use proprietary technologies for reliably communicating with other devices, it can also be used with many Bluetooth® interfaces. To see if your Bluetooth® device is compatible with the Health o meter® Professional protocols, follow these steps.

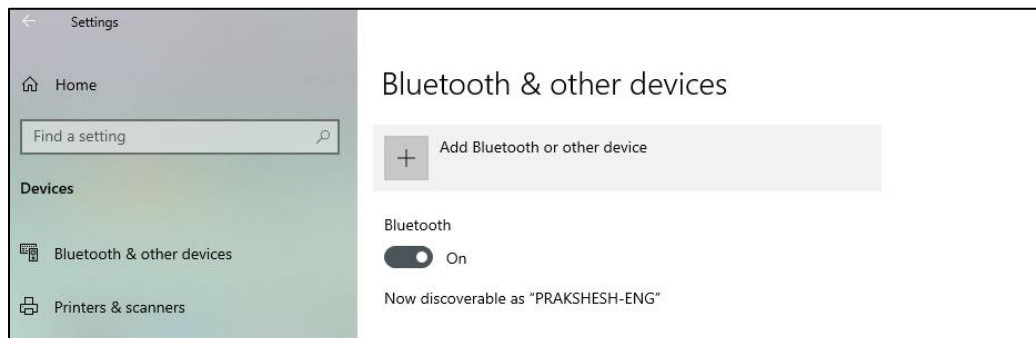
1. From the Start Menu, go to Settings.



2. In the Settings Home, Click on Devices.

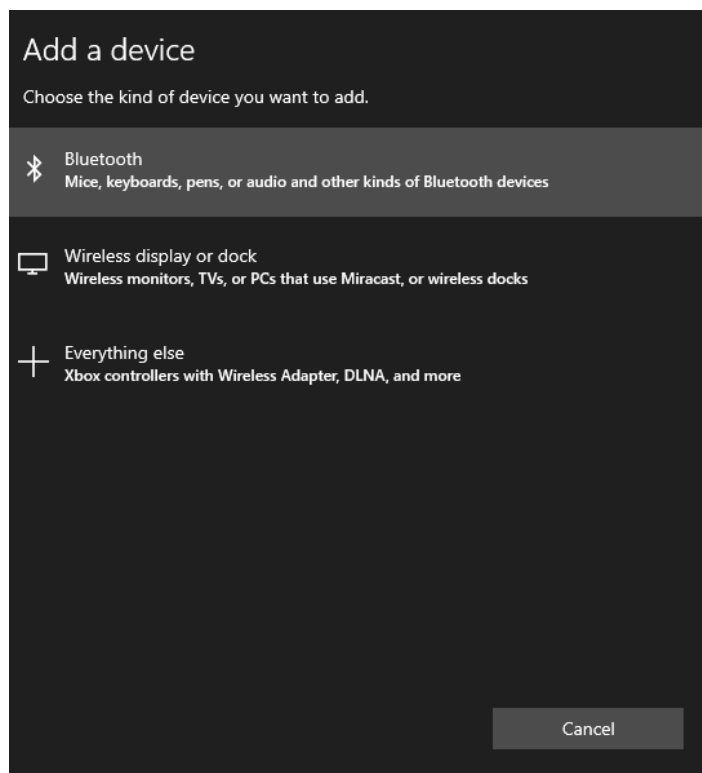


3. Click on the "Bluetooth® or other devices".

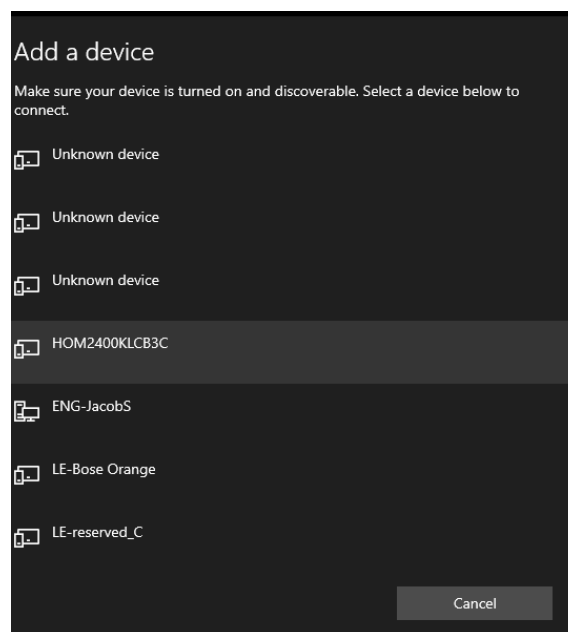
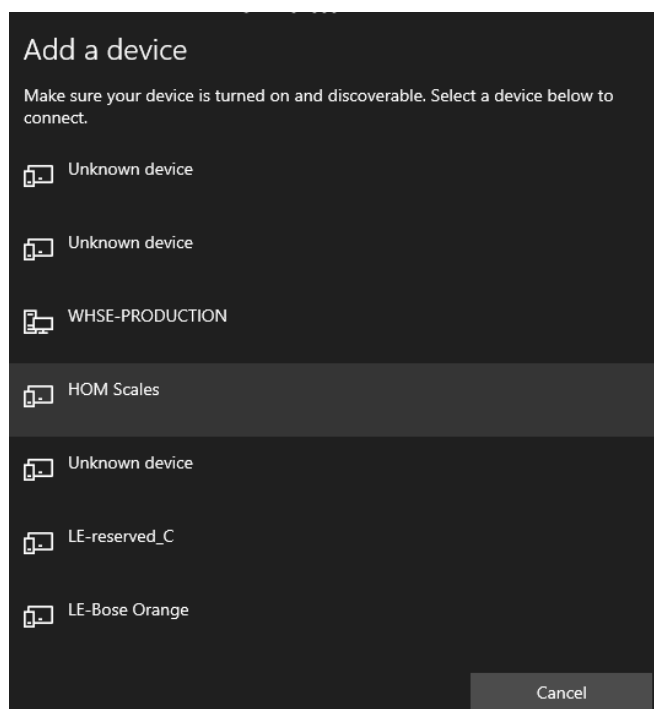


SET UP FOR WINDOWS® PC (CONT.)

4. Add a device window will open. In the Add a device window, click on “Bluetooth®”.

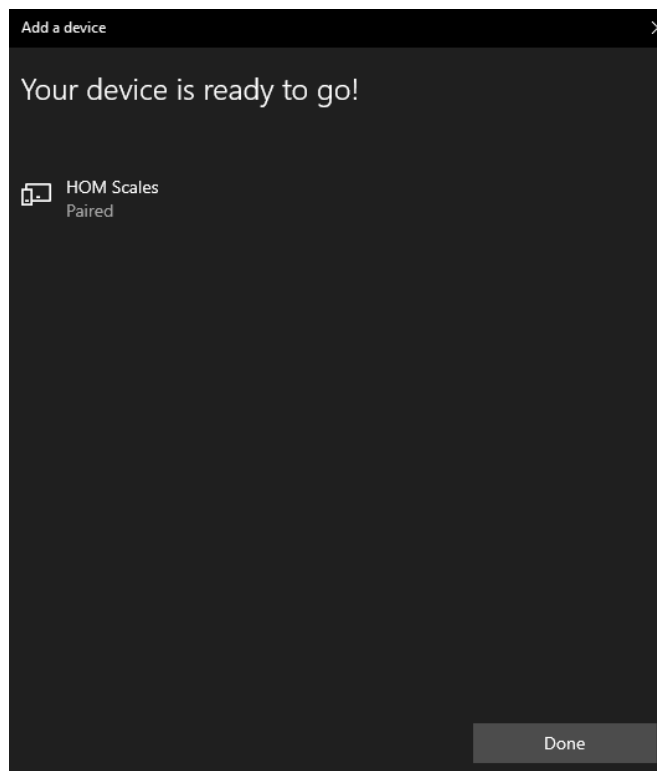


5. The PC will search for devices. In this window, look for the device name starting with “HOM” followed by the model number of the scale or the word “Scales”. Click on the HOM name to initiate pairing.

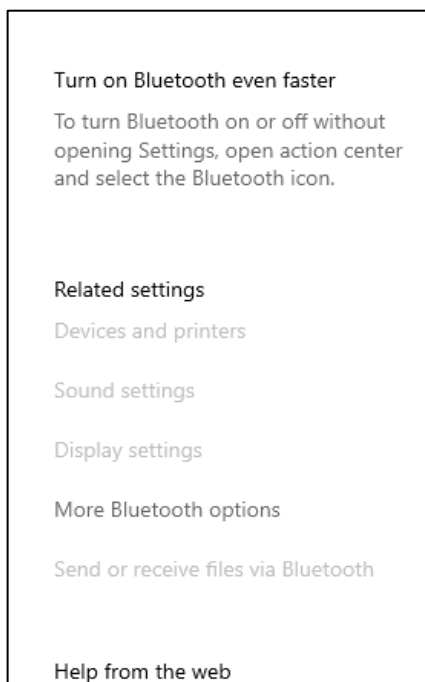


SET UP FOR WINDOWS® PC (CONT.)

6. If pairing is successful, it will show as paired. Click on “Done” and the pairing is complete.

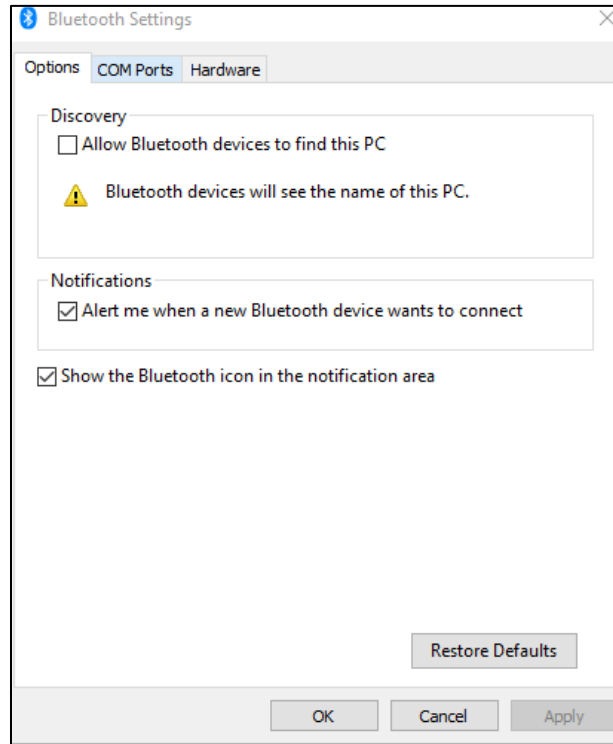


7. In the main “Bluetooth® & Other Devices” window, on the right side of the window, find and click on “More Bluetooth® options”.

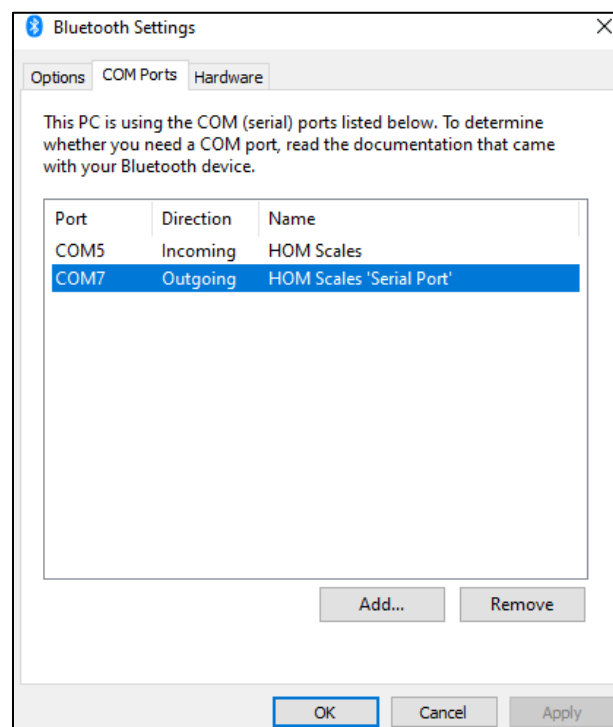


SET UP FOR WINDOWS® PC (CONT.)

8. The settings window will open. In this window, click on the “COM Ports” tab.



9. In the COM Ports tab, note down the COM Port Number shown next to the HOM Scale “Outgoing”. Use this COM Port “COM#” to communicate with the scale wirelessly to transfer data.



TROUBLESHOOTING

USB Wireless Dongle Fault Symptoms

Problem	Possible Cause	Suggested Action
No Communication	USB wireless dongle out of communication range	Check that the distance between the scale and Connex [®] device is less than ~328ft (100m)
	Wireless network interference	Move scale or Connex [®] device away from nearby wireless devices

Welch Allyn Connex Fault Symptoms

Problem	Possible Cause	Suggested Action
No Weight, Height, Body Mass Index (BMI) Displayed on Connex [®] device	Weight scale communication license <u>NOT</u> activated on the Connex [®] device	<p>*Weight scale communication is already enabled on Welch Allyn[®] Connex[®] Spot monitors.</p> <p>To enable weight scale communication on the Welch Allyn[®] CVSM, follow these steps.*</p> <p>a) Connect the CVSM to a PC to access the Welch Allyn[®] Service Tool. This service tool comes with the Welch Allyn[®] device or can be downloaded at www.welchallyn.com/en/service-support/service-center/service-tool.html</p> <p>b) Follow the prompts in the Service Tool to activate the weight scale license.</p> <p>c) Activate the license by entering the authorization code A66FF29A3B2F85E1</p> <p>For assistance with the Welch Allyn[®] Service Tool, please contact a Welch Allyn[®] representative or visit www.welchallyn.com/</p>

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 RF Exposure	EN 60950-1:2006+A11:2009+A1 :2010+A12 :2011+A2 :2013 EN 62311 :2008
3.1b	Protection requirements with respect to electromagnetic compatibility	EN 301 489-1 v2.2.0 (2017-03) 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.