

# Connected Pulse®

Wireless Capable Body Composition Weight Scale

## User Guide

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**Model CPBC-440W and CPBC-440B**

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# Important Caution!

 ***Please read all instructions to familiarize yourself with features and operations before programming and using this scale to prevent misuse and damage to you and your scale.***



The use of this scale is not recommended for person with an electronic implant (heart pacemaker), please consult your cardiologist before use.

The scale will not display body composition (body fat, body water and calorie) unless you step on with bare feet, it will take weight measurement only

For accurate body composition (body fat, body water and calorie) measurement, do not bend your knees and keep your legs/things apart and straight when take measurement on the scale

The body composition (body fat, body water and calorie) function is not recommended for use by pregnant women, persons with fever, swollen legs or other edemas, as well as a person who is over hydrated or dehydrated

Body composition (body fat, body water and calorie) function maybe slightly higher or lower for children under 16, person with diabetes or other health condition

Women naturally store approximately 5% more body fat than men

# 1. Initial Setup for Model CPBC-440W

## 1.1. Register your scale with [www.connectedpulse.com](http://www.connectedpulse.com)

Go to <http://www.connectedpulse.com>

User your email address and chose a password to register at connected pulse cloud server. Setup user profile for people who is going to use this scale.

Register your scale using the "Register a Device" tab by input your scale's UDI printed on the bottom of your scale.

**Also please check for updated user guide, features, apps and new software on our website.**

<http://www.connectedpulse.com/support.aspx>

## 1.2. WPS support through mobile APP

For WiFi scale, it supports WPS quick and easy setup through our mobile APP.

1.2.1. Please go to <http://www.connectedpulse.com/support.aspx> to get the instructions and how to download our mobile app for either your iPhone or Android smart phone.

1.2.2. After APP installed on your phone, turn on your phone's WiFi, launch the APP and follow the instruction, key in your route's SSID (router name) and key (passcode) exactly as it shows with your router indicates. Those SSID and key are case sensitive and let the APP start broadcast

1.2.3. Remove battery if installed and wait for at least 30 seconds till all power drained. Reinstall battery and you will hear a beep and scale LCD powering on, push the "SELECT" button once, a beep will sound, screen show " TIMEZONE SET", push " SELECT " button goes into time zone setup, scale display "G-0", then push 1 to increase the digit and 2 to decrease the digit,

Time Zone	Display should be
Eastern	G-5
Central	G-6
Mountain	G-7
Pacific	G-8

If your time zone is central, make sure you scale display "G-6". After this done, push the "SELECT" button, scale goes into "WIFI SETUP", "WIFI INIT" mode, then push the "SELECT" button again, scale goes into "AUTOLINK" mode, LCD display "WIFI INIT", then will display "AUTOLINK" to setup scale WiFi automatically, after scale display "AUTOLINK OK". The WiFi setup is done, then scale goes into the next step "REG DEVICE", after scale display "REG DEVICE OK". You scale setup is complete.



If you use mobile smartphone hotspot, make sure it is at least 50% battery level.



Make sure the battery you used for scale is new, otherwise scale will not going to start the WiFi function (Can not goes into "AP" mode) and setup can not continue and you are stuck in the "SET" mode and scale will not be usable.

### 1.3. Manual WiFi network setup

Please have the following information ready before starting manual setup process:

SSID or your WiFi router/hotspot name and it's password/passcode and have a laptop/mobile smartphone, computer has the WiFi turned on to connect to WiFi network.

1.3.1. Locate the "SETUP" button, which is above the weight unit select rock switch at the back of the scale and have a small screw driver or toothpick to have access of the button in the small hole.

1.3.2. Remove battery if installed and wait for at least 30 seconds till all power drained. Reinstall battery and you will hear a beep and scale LCD powering on, using your tool to push the "SETUP" button once, a beep will sound, screen show " TIMEZONE SET", push " SELECT" or "SETUP" button goes into time zone setup, scale display "G-0", then push 1 to increase the digit and 2 to decrease the digit,

Time Zone	Display
Eastern	G-5
Central	G-6
Mountain	G-7
Pacific	G-8

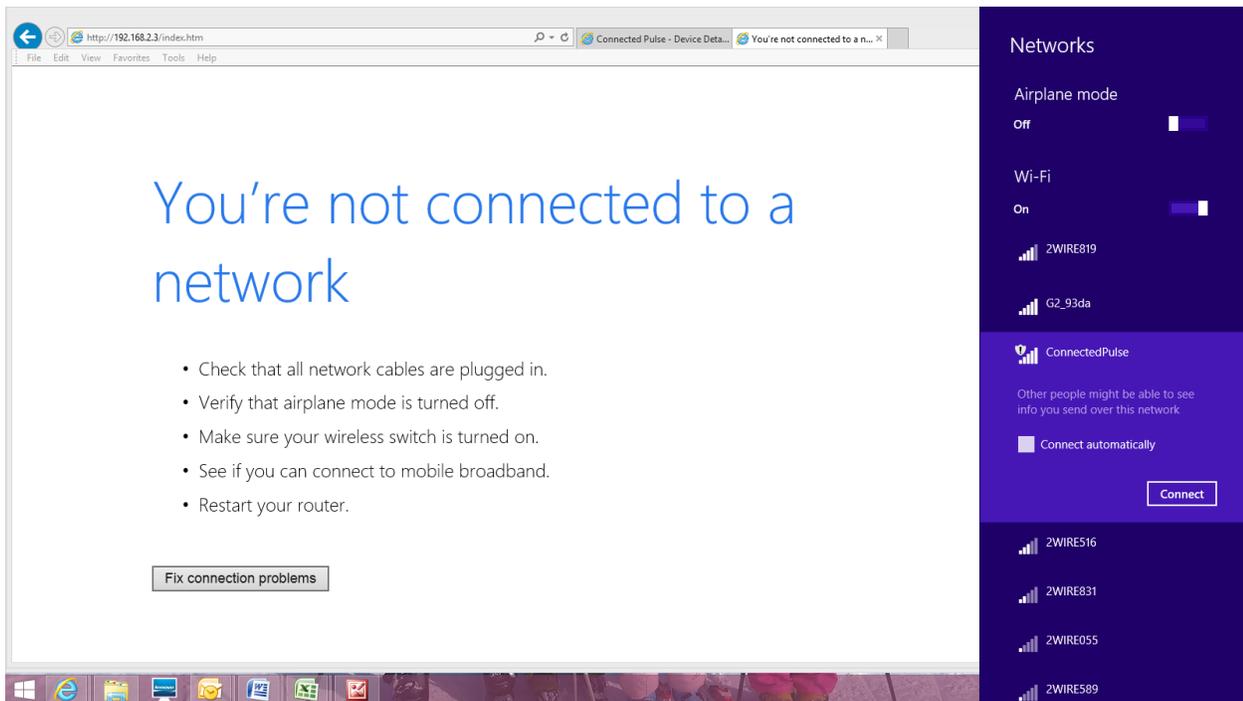
If your time zone is central, make sure you scale display "G-6". After this done, push the " SELECT" or "SETUP" button once and scale LCD display "WIFI SET".



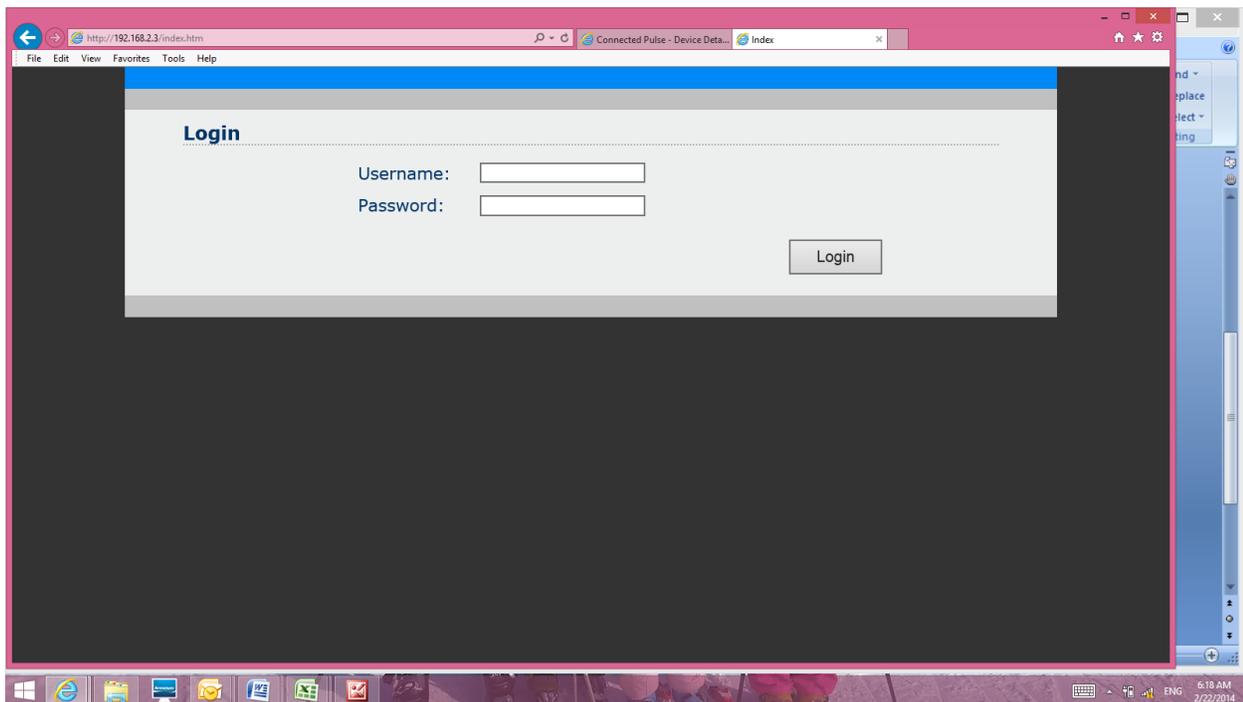
At anytime beside timezone setup, if you pushed "1", "2" button, scale will get out of setup mode, please repeat from step one. So please do not push any of those button until instructed.

1.3.3. Then push "SELECT" or "SETUP" button once the LCD screen shows "WIFI INIT" wait for scale LCD to show "AP MODE"

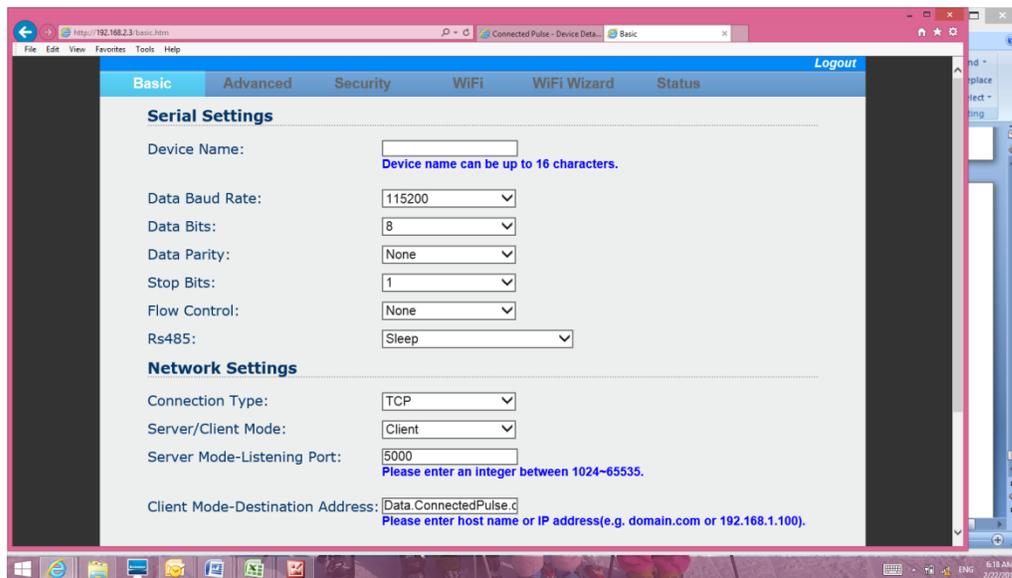
Use computer or smart phone to find a WiFi network named "ConnectedPulse" as shown here, it usually takes about a minute for this to happen so please be patient.



1.3.4. The "ConnectedPulse" does not require any passcode, if it prompts for passcode, just disconnect and reconnect again. After you connected to "ConnectedPulse" network, in your browser, type in http://192.168.2.3 then hit return on the keyboard, and it shown as below. Login use user name admin and password admin.



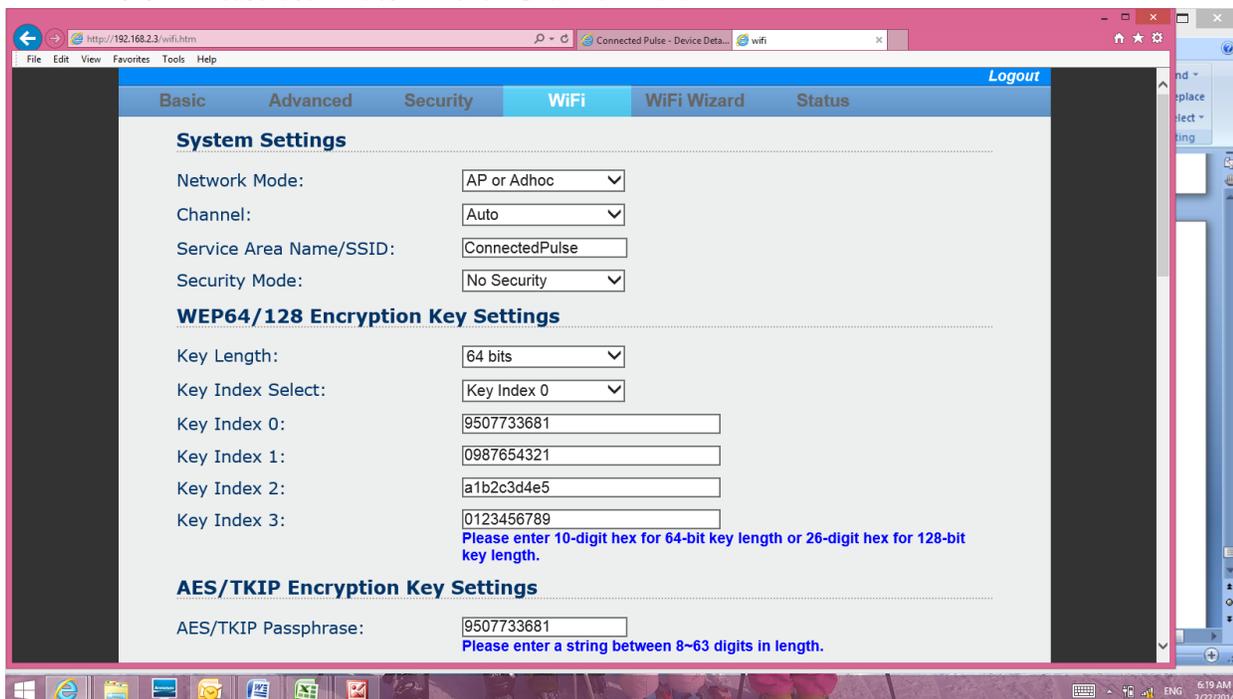
1.3.5. After Login, you should see:



1.3.6. Click WiFi tab bring you the following screen

1.3.7. Please select "Sta" on the "Network Mode" field

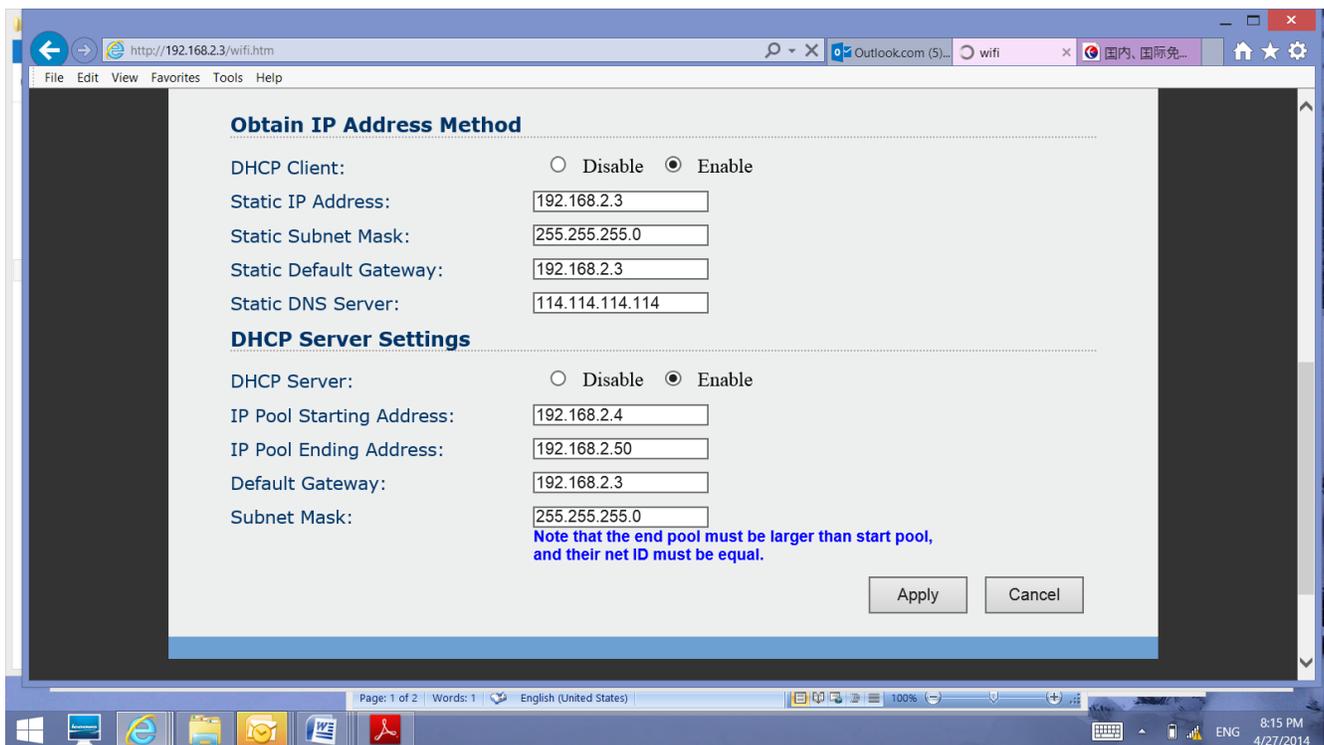
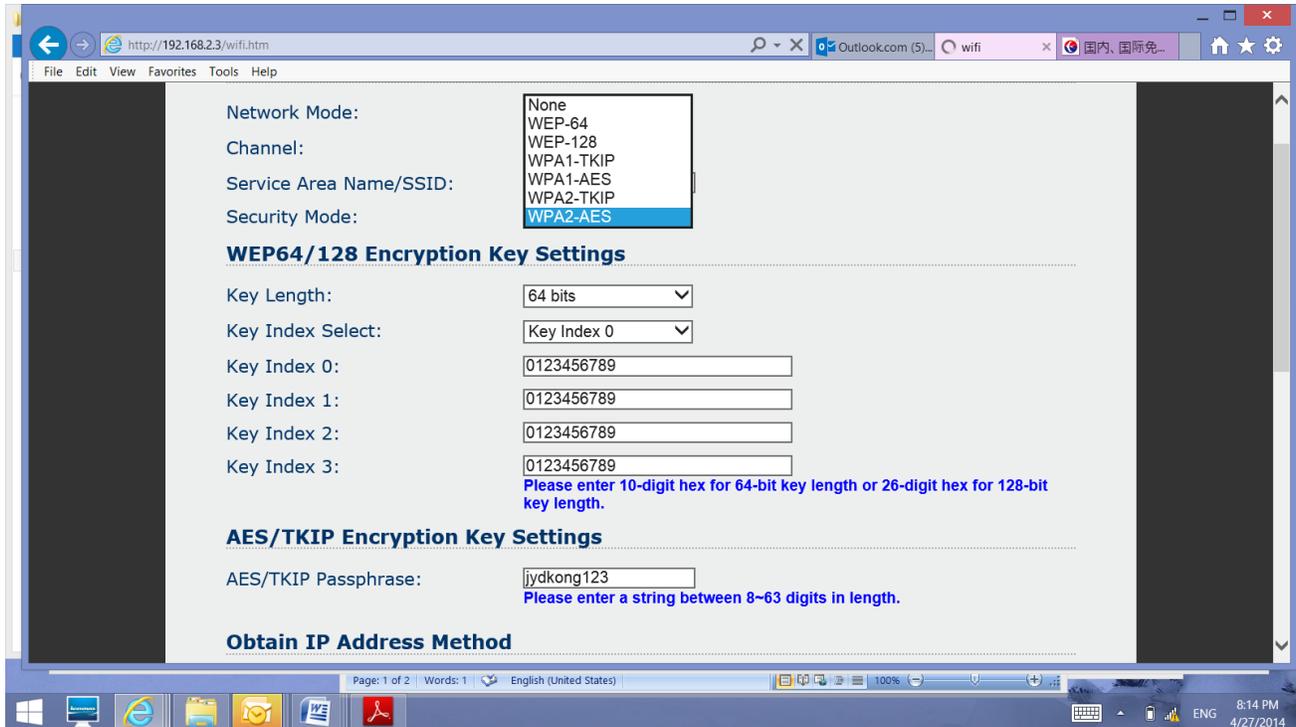
1.3.8. Please use "Auto" in the "Channel" field

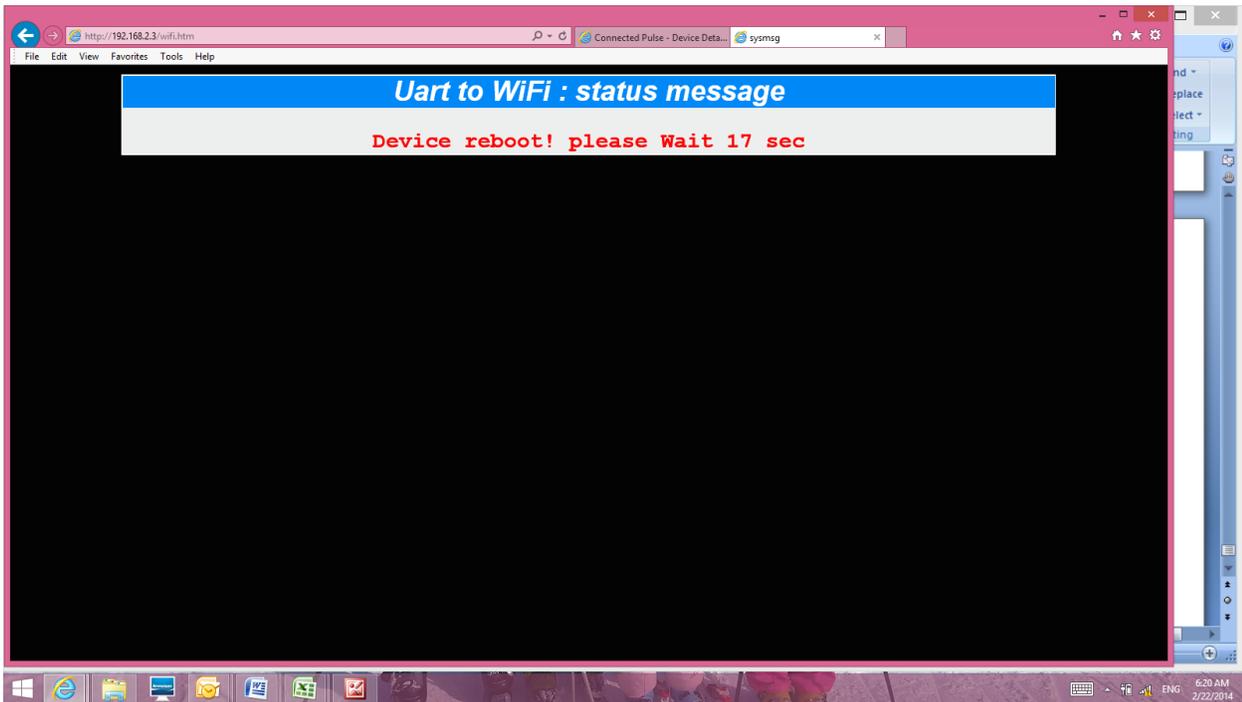
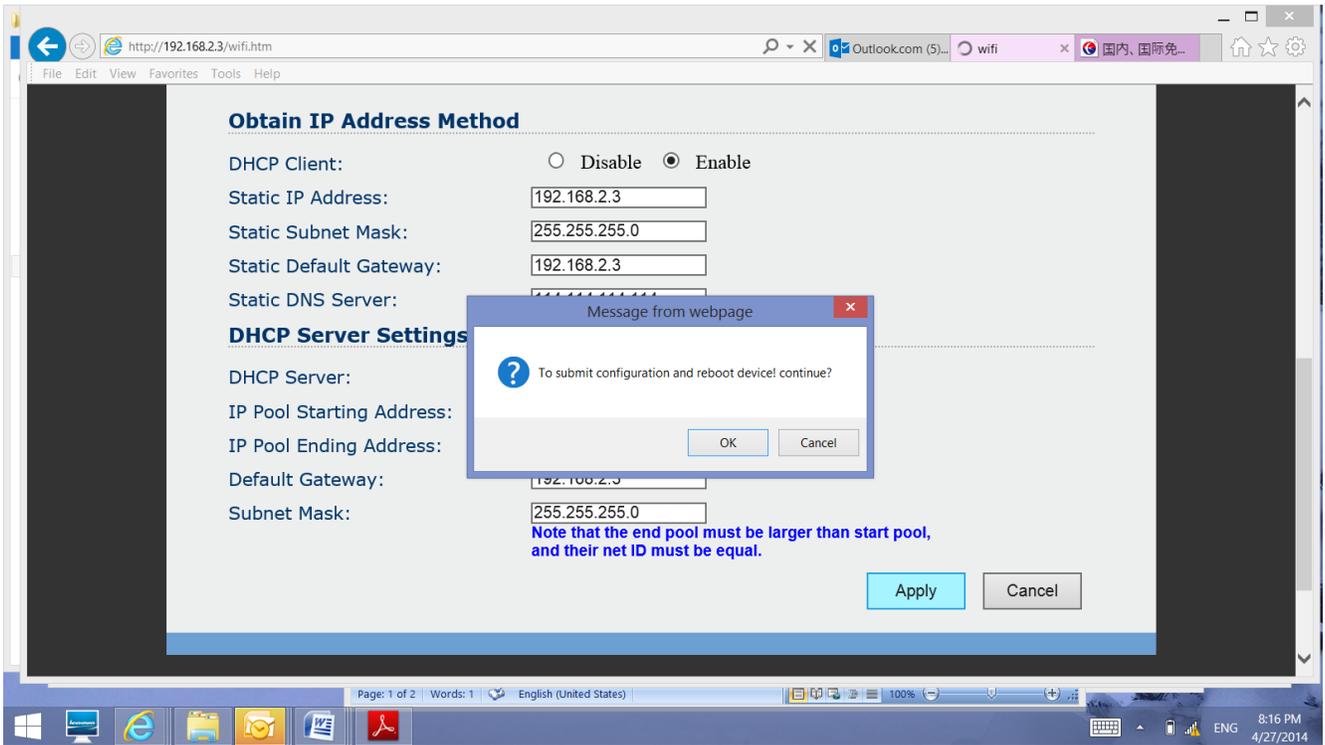


1.3.9. Select and typing exactly (they are case sensitive), input your router or hotspot name in Service Area Name/SSID exactly as it is (Here we use G2\_93da as an example, do not use this for your setup)

1.3.10. Make sure put in exactly your route passcode (they are case sensitive) in both the AES/TKIP Encryption Key Settings and Auto Encryption Key Settings

1.3.11. Click Apply to submit the configuration value and scale will reboot





- 1.3.12. After your computer finishing display reboot, push any key on scale, scale display "WIFI SET OK", " DEVICE REG"
- 1.3.13. After scale display "DEVICE REG OK", you have finished the setup process

- 1.3.14. After complete setup, all family member's profile information will be downloaded to scale it is ready to use and there is no need to do any other setup
- 1.3.15. If the scale display "ERR" error code in any of above step, repeat above step again.
- 1.3.16. Use button "1", "2" or "SELECT" to choose a user till scale display "OK", then you can step on the scale to take measurement. Please stay on scale till it finish body composition measure. Do not step off right after weight is obtained.

## 2. Initial Setup for Model CPBC-440B

### 2.1. Using without USB/Bluetooth connectivity

Please refer to the next section 3.2 for manual user profile setup

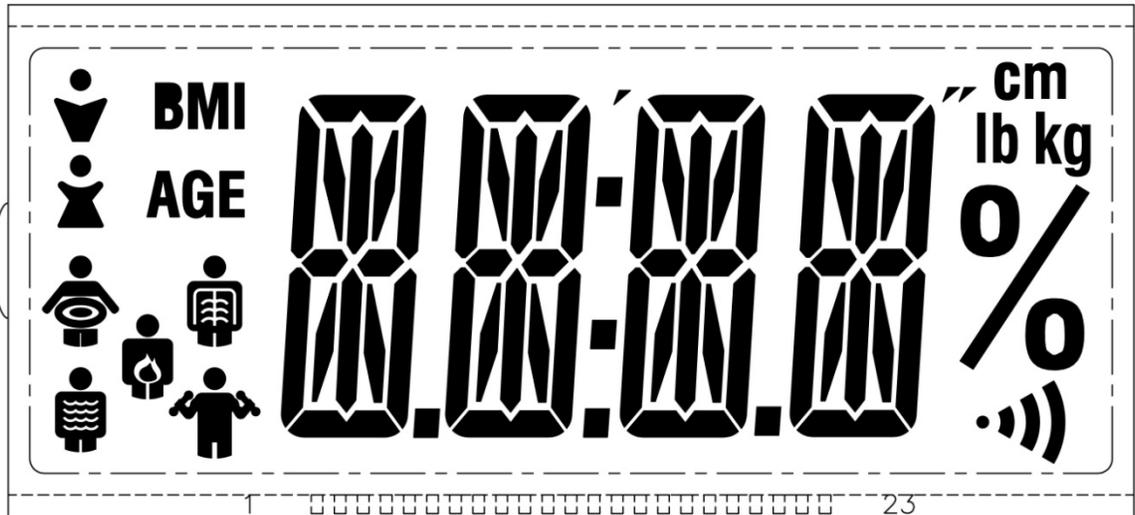
### 2.2. Using with USB/Bluetooth connectivity

Please make sure you have the USB cable and Bluetooth connectivity kit (pulselink), you can purchase them at [www.connectedpulse.com](http://www.connectedpulse.com) and updated information as how to set them up.

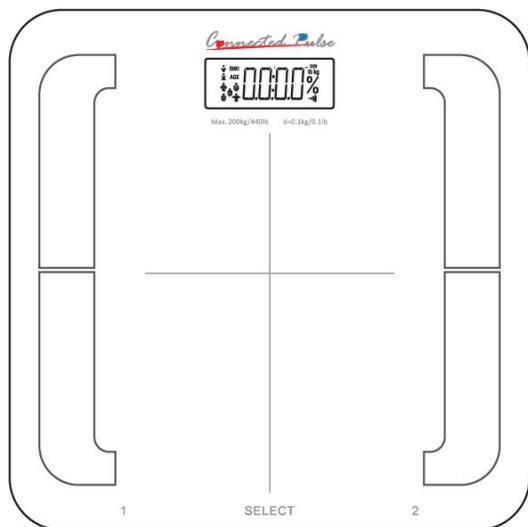
Please also make sure you download the app "ConnectedPulse" from either apple store for Apple product or play store for Android product.

Connect your USB cable to both the scale and pulselink and turn on the pulselink, and have your Bluetooth feature turned on and use our app to finish the rest of setup.

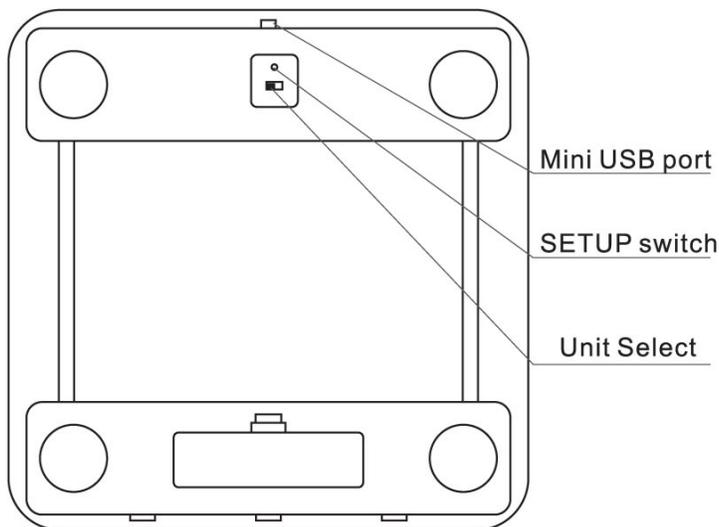
## 3. Using Your Scale



## LCD Display



Top view



Bottom View

1. Digital back lit LCD display
2. Button 1
3. Button 2
4. Select button

5. SETUP switch
6. Unit select
7. Battery

- |  |                               |  |            |
|--|-------------------------------|--|------------|
|  | Body fat                      |  | Body water |
|  | Suggested Calorie Consumption |  |            |

**PLEASE REFER TO ABOVE ILLUSTRATION AND FAMILIAR WITH ALL OPERATIONAL BUTTONS, LOCATION AND IT'S FUNCTION**

- 3.1. If you have finished the initial setup as outlined in previous section, all user/family member profiles are already downloaded onto the scale.
- 3.2. If you have not done the initial setup as outlined in previous section, please following the following steps for manual setup on the scale, you will not be able to send measurement data to server this way.
  - 3.2.1. **Male and Female Setting:** After select any user number (id), push and hold "SELECT" button at least three second, till LCD display "S 1" or "S 0", "1" indicate male, "0" indicate female, push "Button 1" or "Button 2" to change between male and female, push "SELECT" to confirm.
  - 3.2.2. **Age Setting:** After Male and Female Setting, scale goes into Age Setting, LCD display "A 25", press "Button 1" to increase age and "Button 2" decrease age. "SELECT" button to confirm. Age range 10-100.

- 3.2.3.**Height Setting:** After Age Setting, scale goes into Height Setting, LCD display "H 170" , press "Button 1" to increase and "Button 2" decrease. "SELECT" button to confirm. Height range 80-220 in centimeter.
- 3.2.4.LCD will display UserId, Gender, Age and Height in sequence, then "OK" and it is ready to use for this UserId.
- 3.2.5.Use button "1", "2" or "SELECT" to choose a user till scale display "OK", then you can step on the scale to take measurement. Please stay on scale till it finish body composition measure. Do not step off right after weight is obtained.
- 3.2.6.Unit conversion between Inch and cm:

### Height Conversion

Imperial	Metric (cm)
4'8"	142
4'9"	144
4'10"	147
4'11"	150
5'	153
5'1"	155
5'2"	157
5'3"	160
5'4"	163
5'5"	165
5'6"	167
5'7"	170
5'8"	173
5'9"	175
5'10"	177
5'11"	180
6'	183
6'1"	185
6'2"	188
6'3"	190
6'4"	193
6'5"	195
6'6"	198
6'7"	201
6'8"	203
6'9"	206
6'10"	208
6'11"	211
7'1"	215
7'3"	220
7'5"	225
7'7"	230
7'9"	235
8'1"	240

- 3.3. Simple foot tap switch 1, 2 or SELECT ( button SELECT will toggle through all the rest of user/family member).
- 3.4. After you selected user/family member, your name will be displayed, then it will display "WAIT" for scale to be initialized.
- 3.5. When LCD display "OK", you can now step on to the scale, as soon as scale finish measurement of your weight, it will beep and display your weight on the LCD.
- 3.6. If you have setup your gender, height and age profile, please stay on the scale for it will continue to get your body composition value.

- 3.7. You can step off the scale when it start display the body composition data in % in sequence of BMI, Body Fat, Body Water, and Recommended Daily Calorie Consumption in Calorie.
- 3.8. Then it will attempt to send all those values to server displaying " LOGWEIGHT" if WiFi network preset, otherwise, it will display "LOGWEIGHT ERR" to indication failed to send.

## 4. Error Message and Troubleshooting

Error	Cause	Remedy
ERR	Failed Transmission	This can occur during normal device operation if the network is out of range. The device will attempt to resend the reading. If the reading does not appear on the portal after some time there could be a wireless connection problem. Please check device setup, reference the Setup section for details.
ERR	The measuring data failed Wi-Fi transmission	Remove and re-install the batteries. Measure again. If the problem persists, please contact the manufacturer.
	Low battery	Replace the batteries.

Fault	Remedy
Even though the batteries are installed, there is either no indication or an incorrect indication on the LCD	1. Check and correct the battery polarities. 2. Remove the batteries and wait for one minute. Then install the batteries or replace the batteries.
The low battery indication is shown on the LCD.	Replace the batteries.

## 5. Specification

Capacity:	440 lb (200 kg)
Battery:	4 x 1.5V (AA)
Accuracy:	±0.5%
Graduation:	.1kg (.1lb)
Operating Temperature:	+10 °C - +30 °C
Storage Temperature:	-10 °C - +60 °C
Minimum Weight:	6 lbs
Scale Dimension:	11.5" (292 mm) X 11.5" (292mm) X 1.75" (44.5 mm)
Scale Weight:	5.2 lbs
RF:	802.11 b/g/n
Security:	WPA-TKIP WPA2-AES WEP

## 6. Warranty

ConnectedPulse, warrants that for a period of one year from the date of purchase, this product will be free from defects in materials and workmanship, when used as per instructions provided. The warranty is extended only to the original purchaser. All implied warranties are limited to 1 year from date of purchase. ConnectedPulse will at our option, without charge repair or replace the product covered by the warranty. This is the only remedy under the above warranty. To obtain warranty service, contact us for the address of the repair location and the return shipping and handling fee. When obtaining service, enclose proof of purchase, with your name, address, contact number, description of the problem. We are not liable for any loss of use or any other incidental, consequential or indirect costs, expenses or damages, unless not allowed by law.

Do NOT attempt to repair or adjust any electrical or mechanical functions on this product. Doing so will void this warranty. Keep the original sales receipt. This warranty does not cover normal wear or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, and use in contrary to the operating instructions, disassembly, repair or alternation by anyone other than ConnectedPulse or ConnectedPulse authorized service person. Further, the warranty does not cover: acts of God, such as fire, flood, hurricanes and tornadoes, etc.

### 6.1. What are the limits on ConnectedPulse's liability?

ConnectedPulse shall not be liable for any incidental or consequential damages caused by the breach of any express, implied or statutory warranty or condition. Except the extend prohibited by applicable law, any implied warranty or condition of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. ConnectedPulse disclaim all other warranties, conditions or representations, express, implied, statutory or otherwise. ConnectedPulse should not be liable to any damages or any kind resulting from the purchase, use or misuse of, or inability to use this product, including incidental, special, consequential or similar damages or loss or for any breach of contract, fundamental or otherwise, or for any claim brought against purchaser by any other party. Some state or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. The warranty gives you specific legal rights, any you may also have other rights that vary from state to state or jurisdiction to jurisdiction.

### 6.2. How to obtain warranty service

In the U.S.A., if you have any question regarding this warranty or would like to obtain warranty service, please email: [support@connectedpulse.com](mailto:support@connectedpulse.com).