



ZIBRIO SmartScale

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Congratulations on your ownership of a ZIBRIO Scale! We're delighted to be part of your journey to better understand your balance.

1. SAFETY INFORMATION

At ZIBRIO we are very safety conscious, and we design and manufacture products with the safety of you, our valued customer, at the forefront. We ask that you adhere to the following precautions when using your ZIBRIO SmartScale.

WARNING: No modification of this equipment is allowed. Do not use with accessories, detachable parts, or materials not described in this manual.

1.1 Limitations

- The ZIBRIO SmartScale is not intended to diagnose or treat any illness or condition. While the ZIBRIO SmartScale measures balance, poor balance in itself is not a disease and can be caused by variety of conditions. If you suspect you have a medical condition that is affecting your balance, consult a doctor.
- Patients/home users are the intended operators of the ZIBRIO SmartScale. All functions of the ZIBRIO SmartScale are intended for patient use. The ZIBRIO SmartScale is intended for use in the home environment.
- Contraindications: The ZIBRIO SmartScale is not intended for use by individuals who are unable to stand unassisted for at least 60 seconds or who are unable to get on and off the scale on their own. The ZIBRIO SmartScale may not assess balance accurately in the following populations: individuals with vestibular disorders, tremors, or attention and memory issues.
- The ZIBRIO SmartScale cannot be used to gauge intoxication level due to alcohol or other substances. Getting a high balance score is not an indication of fitness for driving or other activities.
- The ZIBRIO SmartScale should be used in a distraction-free environment for best results.
- Maximum weight limit of 350 lbs.

1.2 Care and Use

- Must be used on a hard, level floor. Balance scores and weights will likely be inaccurate if the scale is used on a carpeted floor or an uneven tile floor.
- Should not get wet. Do not immerse in water. Be sure the surrounding floor and the surface of the scale are dry to avoid slipping when using the scale.
- If cleaning is needed, clean top glass surface with glass cleaner. Plastic surfaces may be wiped with a cloth dampened with tap water. Disinfectants suitable for glass or plastic surfaces may be used on the respective surfaces.
- Should be inspected for damage prior to use. Inconsistent weight or balance readings could result if the scale is damaged. Check for cracks in the glass or plastic surfaces. Check to ensure that the battery cover is firmly attached. Check to make sure all 4 foot pads are present and undamaged.
- If moving the scale, take care to avoid personal injury. Seek help from another person if the scale is too heavy for you to move on your own.
- Should not be dropped, as this may lead to personal injury or damage to the device.
- Should not be used if the glass top is cracked, as injury may occur.
- Avoid stepping on the edge of the scale to minimize likelihood of tipping.
- Verify that the scale display is working correctly by observing the Power On Self Test. When the scale is first powered on, either through removal of the battery pull tab or installation of new batteries, each segment of the number display will light up in sequence and the scale will beep three times. The edge lighting of the scale will flash red, yellow, and green. If any of these components of the display does not light up, the display may be faulty, which could lead to inaccurate weight or balance score readings.
- Changing batteries is the only service or maintenance task that

users may perform. Do not perform service or maintenance while in use.

- Avoid exposing the scale to magnetic fields, electromagnetic fields, external electrical influences, electrostatic discharge, pressure or variations in pressure, acceleration, or thermal ignition sources, as these conditions may damage the product.
- In the event that you observe unexpected behavior of the scale, follow the instructions listed in section 11, “Error Codes and Troubleshooting.”

2. ABOUT THE ZIBRIO SMARTSCALE AND ZIBRIO BALANCE TEST

The ZIBRIO SmartScale measures balance with the ZIBRIO Balance Test. During the test, the subject stands with both feet on the scale and their eyes open, making it possible for non-specialists to test their own balance without outside help. Balance is measured in Brios, on a scale from 1 to 10. Ten Brios represents the best possible balance across the human population. 1-3 Brios is associated with an increased risk of falling in adults ages 65 and up. The SmartScale also measures weight.

Score of 7 – 10 Brios: low risk of falling (green zone)

Score of 4 – 6 Brios: medium risk of falling (yellow zone)

Score of 1 – 3 Brios: increased risk of falling (red zone)

In a ZIBRIO study of over 300 adults, people who scored between 1 to 3 Brios were 3 times more likely to experience a fall in the next 12 months compared to people who scored between 7 and 10 Brios.

Your Balance Score and your Balance Profile are provided as information about your balance and the habits that affect it. Remember that your balance can change from one day to the next. Having poor balance can result from a variety of causes, and this device is not intended to diagnose or treat any disease or condition. Always consult your physician to determine what is best for your health.

The ZIBRIO Balance Coach App can work with the scale and allows you to:

- Operate balance tests through the app (if you prefer a visual timer during the test)
- Save and track your balance scores over time
- Create a personal Balance Profile to understand healthy balance

behaviors and lifestyle choices

- Access personalized advice about how to improve balance (Personalized Plan)

2.1 Intended Use

The ZIBRIO SmartScale is intended to quantify balance and weight in adults. It is intended for home use, and should only be used by individuals who are able to stand unassisted for at least 60 seconds, and who can safely get on and off the scale without assistance. It may not assess balance accurately for individuals with vestibular disorders, tremors, or attention and memory issues.

The weighing function of the scale may be used by anyone weighing at least 20 lbs. However, the balance measurement algorithm is not optimized for children, and will not give an accurate measurement of a child's balance ability. The SmartScale is meant to assess balance in adults ages 18 and older and weighing at least 50 lbs. It may not assess balance accurately in the following populations: individuals with vestibular disorders, tremors, or attention and memory issues.

2.2 Resolution and Accuracy

Weights under 100 lbs are displayed with a resolution of 0.1 lbs and weights 100 pounds and above are displayed with a resolution of 1 pound. Weights are considered to have an accuracy of +/- 0.5 lbs. Balance scores are calculated using center of pressure measured over the 60 second balance test. The center of pressure measurement is considered to be accurate to +/-1.5 mm. Balance scores are displayed as whole numbers between 1 and 10. Balance scores are considered to be accurate to +/- 1.

2.3 Patient Contact

The glass surface of the ZIBRIO SmartScale is the only part of the device which will make contact with the user. The user should stand on the glass surface. The user does not need to remove their shoes before standing on the scale, although users wearing high heeled shoes or other shoes that interfere significantly with comfortable standing may wish to do so. In the event that users do remove their shoes, it is not necessary to remove socks. The SmartScale may also be used barefoot if desired. The SmartScale does not need to be cleaned between uses by home users.

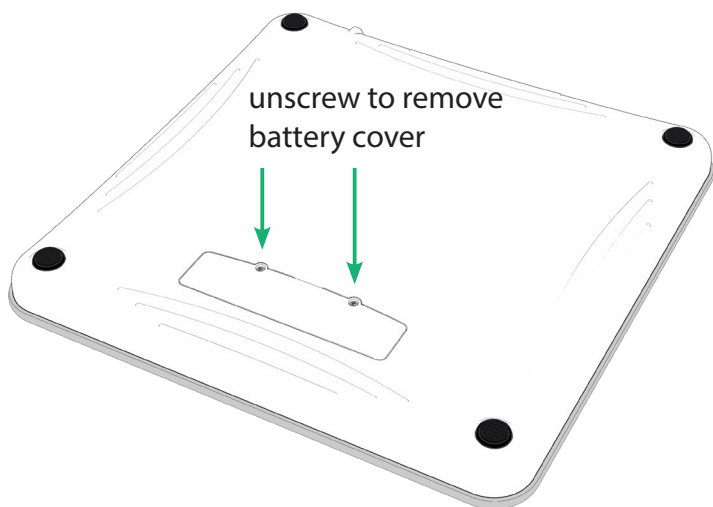
3. WHAT'S IN THE BOX

- ZIBRIO SmartScale
- 6 AA batteries (Already in the scale. Remove the small plastic tab on the battery compartment to power up the scale.)
- User Manual
- Quick Start Guide



4. REPLACING SCALE BATTERIES

When operating on battery power, the batteries can be expected to power the scale for a typical service life of 1 year, or for at least 240 uses to measure the balance and weight of an individual, whichever comes first. If at any time your scale will not power on, the batteries may be dead. Use a Phillips head screwdriver to remove the battery cover on the back of the scale. Replace dead batteries only with 6 new AA batteries. Only use batteries that are UL/IEC approved. Do not attempt to recharge the batteries provided with the scale.



5. INITIAL SETUP

5.1 Powering on the Scale

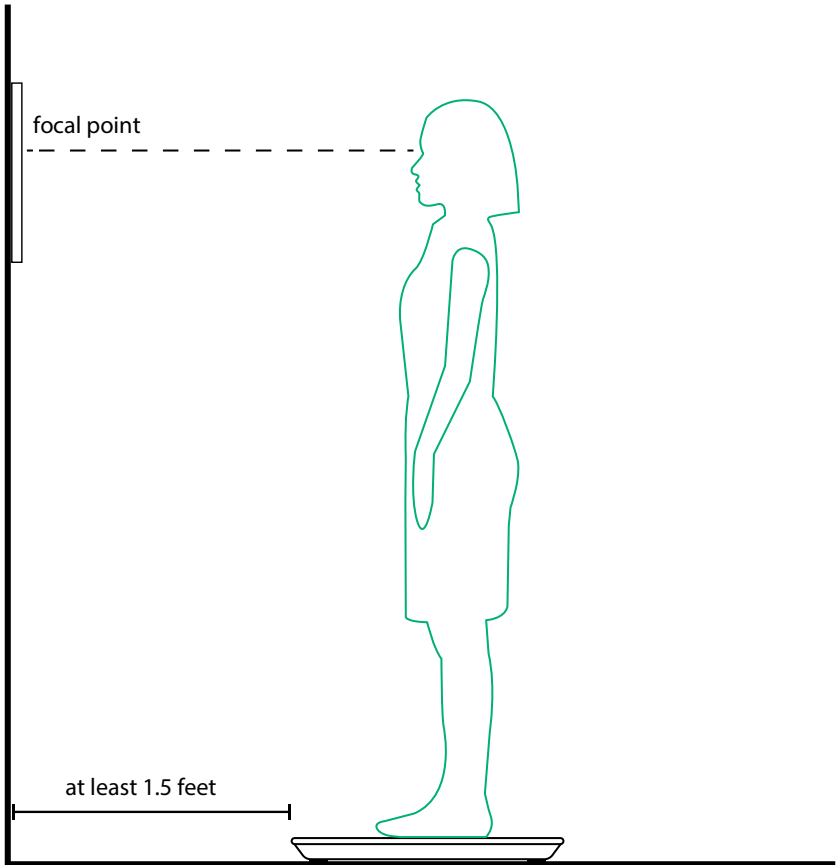
- 1) Remove the pull tag from the battery compartment.
- 2) To power on the scale, place it on a flat surface and step or press on it.

5.2 Where to Put Your Scale

- Place scale on a level, hard floor.
- Place the scale at least 1.5 feet from a wall, facing the wall, for a balance test. Some users who place the scale closer to wall report feeling visual discomfort during the balance test.
- Do not stack the scale on top of other equipment or place in close proximity to other electrical equipment. Portable RF communication equipment that include antennas can affect medical electrical equipment, and should be placed no closer than 12 inches (30 cm) to any part of the ZIBRIO scale.
- Some people feel more comfortable holding onto something for support while stepping on and off the scale. If you do need to hold onto something, we recommend holding onto something that is fixed to the ground or wall, such as a kitchen or bathroom counter, or a properly installed grab bar. Do not hold onto a tip-prone object to stabilize yourself. Do not continue to hold onto any object for stability during the balance test, as this will lead to an inaccurate score.
- Some users don't feel comfortable stepping backward off of the scale, and prefer to exit the scale by stepping to the side. In this case, be sure to allow space off to one side in which to exit the scale.
- Be sure to have a visual focal point on the wall to look at during the balance test. If testing in front of a blank wall, you can attach a printout of the [test instructions poster](#) onto the wall at eye level. Some users have reported feeling dizzy if testing in

front of a completely blank wall.

- Place the scale in an area free from visual and auditory distractions for best results.



6. PAIRING THE ZIBRIO SMARTSCALE WITH YOUR SMART PHONE

Note: The ZIBRIO SmartScale does not need to be paired with a smart phone in order to be used. However, we recommend using the ZIBRIO Balance Coach app along with the SmartScale for the best experience. If you would prefer to use the SmartScale without a smart phone, skip ahead to [section 7](#).

All information about the ZIBRIO Balance Coach app published in this booklet is subject to change due to necessary software updates. For the most up-to-date information about the ZIBRIO Balance Coach app, go to www.zibrio.com/app.

6.1 Minimum Device Requirements

The ZIBRIO Balance Coach App is compatible with...

- Apple devices running iOS 12 and above, including:
- iPhone 5S and later.
- All iPad Air and iPad Pro models, iPad 5th generation, iPad 6th generation, iPad mini 2 and later.
- iPod touch 6th generation models.
- Android mobile phones running Android 4.0.0 and newer.

Android tablets are not supported at this time, and some Android phones with very small screens may experience display issues.

These device requirements are subject to change in future app updates. For the most up-to-date information, please visit www.zibrio.com/app.

6.2 How to Set up the ZIBRIO Balance Coach App

- 1) Be sure your smart phone meets the requirements in [section 6.1](#). You may need to update your phone to the most recent operating system before you can download the app.
- 2) Search “ZIBRIO Balance Coach” in the Apple App Store or Google Play Store. Download and install the app.
- 3) Create an account by entering your email, password, and name.
- 4) A 6-digit numerical code will be sent to the email address you provided. This should happen within a few minutes. If you do not see the code, check your spam folder. If you still do not see the code, double-check to make sure you entered your email address correctly by filling out the “create account” page again.
- 5) Return to the ZIBRIO Balance Coach App to enter the 6-digit code and finish creating your account.
- 6) If you encounter any problems in the process of creating your account, visit our website at www.zibrio.com/support for FAQs and technical support.

6.3 Using the App for Balance Education

The ZIBRIO Balance Coach App helps you understand the lifestyle factors that may be influencing your balance. It should not be considered medical advice. Always consult your doctor before starting any new exercise program.

The Balance Profile can help you identify what lifestyle factors may be helping or hurting your balance. To fill out your balance profile, click the icons and answer the questions. If the section turns green, then that area is most likely helping your balance. If the section turns yellow, it may be hindering your balance, and if a section turns red, it may be hurting your balance. The color coding is designed to help you know what areas to work on first if your goal is to improve your balance. Everyone’s balance is unique to them, and when you know where you are weak, you can focus on that



first to see results. After you have filled out your balance profile and taken a balance test, you can see personalized balance advice by clicking “My Balance Plan.”

Click “Balance History” to see a graph or list of your past balance scores. Tracking your balance over time can help you understand trends in your balance, including what is or isn’t working if you are trying to improve your balance.

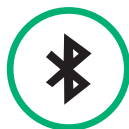
Click “Balance Resources” to access more balance resources available on the ZIBRIO website.

6.4 Connecting to the Scale with Your Smart Phone

Note: If using an Apple device, the scale will not show up in the list of Bluetooth devices accessed from the “Settings” utility. The only way to connect to the ZIBRIO SmartScale with an Apple device is through the ZIBRIO Balance Coach app. You may connect to the ZIBRIO SmartScale through the Bluetooth utility with Android phones if desired.

When you first open the ZIBRIO Balance Coach app, it will attempt to connect to your ZIBRIO SmartScale automatically. Make sure your scale is powered on and is in close range (about 5 feet) of your phone.

When the scale is connected, the top corner of the app will display a Bluetooth symbol surrounded by a green circle. When the scale is not connected, the symbol will be red with a strike-through. When your scale is powered on and within close range to your phone, click the Bluetooth icon to connect to the scale. The app will also attempt to connect to the scale automatically when you press the “Balance Test” button after clicking “Check My Balance”.



Connected



Disconnected

If you want to connect to the scale manually through the app settings, you can click the menu button in the top left corner of the app, and click “Settings.” Then click “Connect to ZIBRIO Scale.”

Remember, the app can only connect to the scale when the scale is powered on and in close range. In certain situations, interference from other signals may make connection very difficult to initiate or maintain. This can happen if you are in a location with large crowds of people who are all carrying Bluetooth and wireless devices.

7. USING THE ZIBRIO SMARTSCALE

7.1 Weight Measurement

- 1) If you have moved the scale between uses, it is important to zero the scale to get an accurate weight reading. Zero the scale by pressing on it for 2 seconds and then releasing. The display should read “0.0”. If you didn’t move the scale since you last used it, you can skip this step.
- 2) Step onto the scale and stand still. Once your weight has stabilized, the scale will display your weight.
- 3) If you have the ZIBRIO Balance Coach App open and the scale is connected to the app, your weight will be sent to the app automatically and you can see it in the Weight History section. Otherwise, the scale will remember your 5 most recent weight measurements, and it will send them to the app next time it is connected.
- 4) By default, the scale and app will display your weight in pounds. Refer to [section 7.3](#) to learn how to change the weight unit to kilograms.

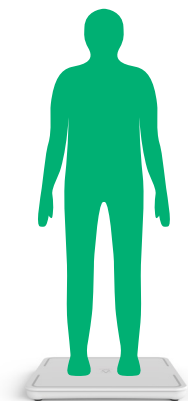
7.2 Taking a Balance Test Without the App (Automatic Mode)

By default, the ZIBRIO SmartScale will be in “automatic mode” out of the box. This means balance tests will start automatically when you stand on the scale for 10 seconds. The balance test will work this way anytime the scale is not connected to the app.

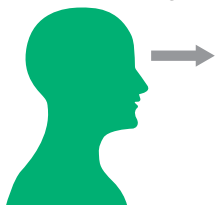
- 1) If you have moved the scale between uses, it is important to zero the scale to get an accurate balance reading. Zero the scale by pressing on it for 2 seconds and then releasing. The display should read “0.0”. If you didn’t move the scale since you last used it, you can skip this step.
- 2) It can be helpful to put a picture or poster on the wall at eye level to have something to look at during the test.

3) Review the test instructions:

- a) To perform the balance test, you will need to stand as still as you can on the scale for 1 minute.



- b) Keep feet a comfortable width apart and your hands relaxed by your sides. Be sure your feet are not hanging off the edges of scale. Do not move your hands or fingers during the test. Breathe normally.
- c) Keep your eyes open during the test, and look forward. Do not look down or move during the test.



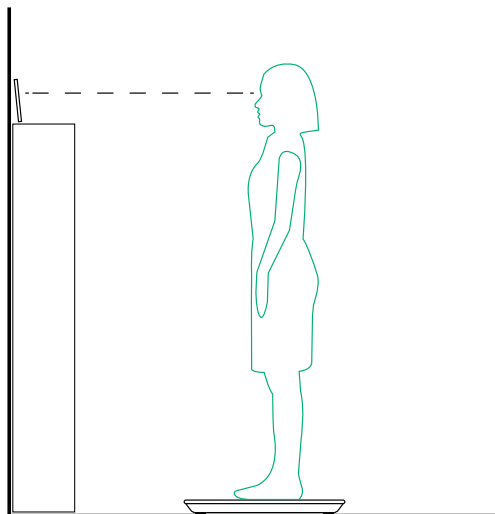
- d) Do not talk during the test.



- 4) Stand still on the scale. After a few seconds, the scale will beep and start the balance test, which lasts for 1 minute. Be sure to

comply with the test instructions throughout the entire test. (A minute can feel like a long time. If you prefer to see a time countdown during the test, you can do so using the app. See [section 6.4.](#))

- 5) At the end of the test, the scale will beep, your score will be displayed (1-10) and the footplate will glow either red, yellow or green to correspond with the fall risk level associated with your



score.

- 6) If the user steps off the scale too early, makes erratic movements during the test, or another error occurs, the scale will display “Err” instead of a score. In this case, the test must be retaken.

7.3 Modifying Scale Settings

The ZIBRIO Balance Coach App can be used to change the settings on the scale including the weighing unit (lb/kg) and the balance testing mode (manual/automatic).

- 1) Always make sure the scale is connected to the ZIBRIO Balance Coach App before changing the settings. Refer to [section 6.4](#) for

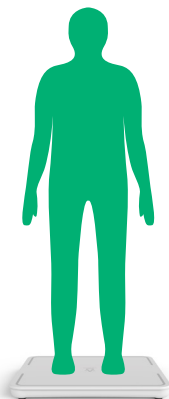
connection instructions.

- 2) In the ZIBRIO Balance Coach App, click the menu button in the upper left corner to access the menu.
- 3) Click “Settings” to access the settings page.
- 4) Click “lb” or “kg” in the Weighing Mode box to select which unit you would like to scale to display weight in.
- 5) Click “save” at the bottom of the settings page to save your changes.
- 6) The testing mode can also be changed on this page. By default, the ZIBRIO SmartScale is in automatic testing mode, meaning the balance test starts automatically after someone stands on the scale for 10 seconds. If desired, the scale can be changed to manual mode, where tests can be initiated through the ZIBRIO Balance Coach App. Select the desired testing mode, then click “save.”

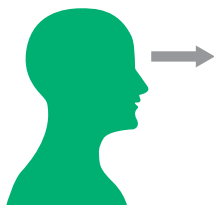
7.4 Taking a Balance Test with the App (Manual Mode)

You can always take a balance test without being connected to the app by standing on the scale for 10 seconds, and the test will start automatically. However, taking a test manually with the app allows you to see the a time countdown during the test so that you know when the test will end. (See [section 7.3](#))

- 1) If you have moved the scale between uses, it is important to zero the scale to get an accurate balance reading. Zero the scale by pressing on it for 2 seconds and then releasing. The display should read “0.0”. If you didn’t move the scale since you last used it, you can skip this step.
- 2) With the ZIBRIO SmartScale powered on, open the app and click “Check My Balance.” Then click “Balance Test.”
- 3) If you get an error message that the scale is not connecting, refer to [section 6.4](#) for troubleshooting.
- 4) Review the test instructions:
 - a) To perform the balance test, you will need to stand as still as you can on the scale for 1 minute.
 - b) Keep feet a comfortable width apart and your hands relaxed by your sides. Be sure your feet are not hanging off the edges of scale. Do not move your hands or fingers during the test. Breathe normally.



-
- c) Keep your eyes open during the test, and look forward. Do not look down or move during the test. If you prefer to see a visual timer during the 60 second balance test, place your phone at eye level, so you don't have to look down to see it and risk moving your head, which can give an inaccurate result. For example, place your phone on top of a shelf or a cabinet.



- d) Do not talk during the test.



- 5) If you are ready for the test, click “Ready for Test” and then “Start Test.” This will initiate a 3 second countdown, and then the test will begin.
- 6) If you don't have a visible spot at eye level on which to place your phone during the test, you can either place it out of eyesight, or hold it in your hand or pocket. If you do this, make sure the volume is turned up so you can hear the notification when the test is complete.
- 7) When the test is complete, the phone will display “test complete” and will vibrate and make a “DING!” sound. The phone and scale will both display your balance score (1-10).
- 8) If the user steps off the scale too early, makes erratic movements during the test, or another error occurs, the scale will display “Err” instead of a balance score. In this case, the test must be retaken.

8. UPLOADING AND VIEWING STORED SCORES

If your phone is connected to the scale while taking a balance test, your score will automatically be stored in the app.

When you use the scale without the app connected, the scale will store the 5 most recent balance scores and weights. These will be automatically sent to your app the next time it is connected to the scale. If you do not wish to keep a score or weight that gets sent to the app, you can delete it in the app.

9. UNDERSTANDING YOUR BALANCE SCORE

1-3 (red) means high risk of falling today

4-6 (yellow) means moderate risk of falling

7-10 (green) means low risk of falling, your balance is good today

Balance changes every day, and many systems affect it. The ZIBRIO Balance Score is a snapshot of your balance right now. Do not be alarmed if your score varies by a few points from one test to another, this is normal. Many different factors affect your balance score. The ZIBRIO Balance Coach app is a great resource to help you understand your score. Answering the questions in the Balance Profile of the app can help you understand which lifestyle factors are having a positive effect (improving your balance) or a negative effect (hurting your balance). These factors will be displayed using the same red-yellow-green system as the balance score.

9.1 What if my balance score is lower than I expected?

- First check that the scale is on a firm, level surface. Do not test on carpet or uneven hard floor.
- Was it a good test? You need to stand as still as possible for the entire test. If you moved your head, or lifted an arm to scratch your nose, or talked, for example, these movements change your balance and can lower your score. If you didn't stand still, try taking the test again to get a true measure of your balance.
- Make sure you are testing in a well-lit room, and not in front of a blank wall. Some users feel dizzy if they look at a blank wall during the test. Look at a picture, poster, or a focal point on the wall during the test instead. Make sure the scale is at least 1.5 feet away from the wall, as standing too close to the wall could make you feel dizzy as well.
- Remember that your balance changes every day. A bad night's

sleep can make you tired, and can lower your balance score by multiple points. If you are fatigued from a hard exercise session, this will also lower your balance score. Try answering the questions in the balance profile section of the ZIBRIO Balance Coach app to understand what lifestyle factors may be affecting your balance score. View your balance plan to get personalized ideas of how to improve your balance.

- Remember that a score of “10” represents perfect balance, for example, an Olympic gymnast on a gold medal day might score a 10.

9.2 What if my score is different every time I take the test?

- Like measuring weight, it can be helpful to measure your balance at the same time of day in order to better understand your personal balance trend over time.
- It is not unusual for your balance to change from day to day, or even throughout a single day. Remember that many factors influence balance, and those are always changing. Try answering the questions in the balance profile section of the ZIBRIO Balance Coach app to understand what lifestyle factors may be affecting your balance score at a given time.
- Some people’s balance scores will fluctuate by as many as 4 points from day to day. For these users, it may be most useful to pay attention to the fall risk category/color rather than the number. For example, if your score fluctuates between 4 and 6, you are staying in the yellow category.

9.3 How often should I measure my balance?

- You can measure your balance as frequently as you wish, some people prefer to have a daily check-in on their balance while others check once a week or so.

10. IMPORTANT INFORMATION

The ZIBRIO SmartScale is Class B equipment.

10.1 Optimal Temperature and Environmental Conditions

The ZIBRIO SmartScale is intended for operation in indoor settings such as individual homes. It shall operate, without degradation, in ambient temperatures between 5 °C (41 °F) and 40 °C (104 °F), a relative humidity range of 15% to 90% (non-condensing, at a water vapor pressure up to 50 hPa, and an atmospheric pressure range of 700 hPa to 1060 hPa. The scale should be used, transported, and stored in locations where it will not be exposed to or submerged in water, and where it will not be exposed to sand, dirt, or excessive dust. A buildup of sand, dirt, or dust might compromise the accuracy of the device sensors. Avoid placing the device in close proximity to a fireplace or radiant heater where it would be exposed to excessive heat. Do not allow children or pets to play with the device as damage may occur. The following conditions are considered acceptable for storage and transport, including after the scale has been removed from its original packaging:

-25 °C to 5 °C, 5 °C to 35 °C at a relative humidity up to 90% (non-condensing), 35 °C to 70 °C at a water vapor pressure up to 50 hPa. If the device has been stored or transported near the extremes of these temperature ranges (above 60 °C or below -20 °C), allow 1 hour for the device to reach operating temperature at an ambient temperature of 20 °C.

10.2 Bluetooth Information and Electrical Interference

The ZIBRIO SmartScale uses a Bluetooth Low Energy transceiver operating between 2402 MHz and 2480 MHz, with maximum EIRP measured at 1.4 dBm EIRP at 2480 MHz. This product has been

certified for EMC compliance to IEC 60601-1-2; however strong electrical fields could interfere with the Bluetooth communication for this device. Nearby electrical equipment should be repositioned if malfunctions occur in usage.

10.3 Essential Performance

Essential performance is defined as “performance of a clinical function, other than that related to basic safety, where loss or degradation beyond the limits specified by the manufacturer results in an unacceptable risk.” It is assumed there is no essential performance applicable to this scale.

10.4 Symbols and Definitions

Applied part definition: type BF

The user’s feet make contact with the top glass surface of the device. The user may wear shoes, socks, or be barefoot while standing on the device.

IP Classification: The device shall experience no harmful effects when exposed to vertically dripping water equivalent to 1 mm of rainfall/minute for a test duration of 10 minutes on a base or floor with appropriate drainage so as not to allow accumulation of water.

The following symbols appearing on the product label are defined as:



Consult instructions for use



Catalog number - indicates the manufacturer’s catalog number so that the medical device can be identified



Serial number - indicates the manufacturer's serial number so that a specific medical device can be identified



Date of manufacture - indicates the date when the medical device was manufactured



Temperature limit - indicates the temperature limits to which the medical device can be safely exposed



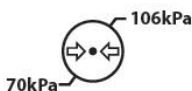
Humidity limitation - indicates the range of humidity to which the medical device can be safely exposed



Medical device manufacturer - indicates the medical device manufacturer



Type BF applied part - To identify a type BF applied part complying with IEC 60601-1



Atmospheric pressure limitation - indicates the acceptable upper and lower limits of atmospheric pressure for transport and storage

10.5 Declarations of Conformity with the US Federal Communications Commission (FCC) and Industry Canada (IC) Regulations

USA - FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no ensured specification 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

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

Caution: Exposure to Radio Frequency Radiation.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

CANADA - INDUSTRY CANADA (IC)

This device complies with RSS 210 of Industry Canada.

Operation is subject to the following two conditions:

- 1) this device may not cause interference, and
- 2) this device must accept any interference, including interference that may cause undesired operation of this device.

Caution: Exposure to Radio Frequency Radiation.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website: http://www.hc-sc.gc.ca/ewh-semt/pubs/radiation/radio_guide-lignes_direct/index-eng.php.

MODIFICATION STATEMENT

Any changes or modifications not expressly approved by ZIBRIO, Inc could void the user's authority to operate the equipment.

10.6 Emissions Limits/Group, Immunity Test Levels

Guidance and manufacturer’s declaration - electromagnetic emissions		
The Zibrio SmartScale is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The device must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.
RF emissions CISPR 11	Class B	The device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Not applicable	

Guidance and manufacturer's declaration - electromagnetic immunity			
The Zibrio SmartScale is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Power frequency (50/60Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical home environment.
NOTE: U_T is the a.c. mains voltage prior to application of the test level.			
Portable and mobile RF communications equipment should be used no closer to any part of Zibrio SmartScale, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.			
Recommended separation distance			
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 V	$d = 1.2 \sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	$d = 1.2 \sqrt{P}$ 80 MHz to 800 MHz

Guidance and manufacturer's declaration - electromagnetic immunity

The Zibrio SmartScale is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.

$d = 2.3 \sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).

Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b.

Interference may occur in the vicinity of equipment marked with the following symbol:



NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Zibrio SmartScale is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the device.

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

11. ERROR CODES & TROUBLESHOOTING

“Err” is the scale’s error code, and might be displayed for the following reasons:

- The user stepped off the scale before the balance test was complete, so a score cannot be calculated. If this occurs, repeat the balance test.
- The user made erratic movements during the balance test that are not compatible with the test protocol, so a score cannot be calculated. If this occurs, repeat the balance test.
- An unknown error occurred. Repeat the balance test.

Other errors:

- If unusual behavior occurs during weight measurement, for example, and obviously inaccurate weight measurement, power off the scale (or wait for it to power down by itself if operating on battery power) and power back on before using again.
- If the scale is still not behaving correctly, repeat the Power On Self Test by uninstalling and reinstalling the batteries. When the scale is powered back on, each segment of the number display will light up in sequence and the scale will beep three times. If any of these components of the display does not light up, the display may be faulty, which could lead to inaccurate weight or balance score readings. In this case, contact ZIBRIO.

12. MAINTENANCE & SERVICE LIFE

- Inspect the scale at least monthly for damage. Check for cracks in the glass or plastic surfaces. Check to ensure that the battery cover is firmly attached. Check to make sure all 4 foot pads are present and undamaged.
- The ZIBRIO SmartScale is factory calibrated and does not require user calibration.
- No maintenance or service is intended to be performed by the user except for changing batteries. If you believe the ZIBRIO SmartScale needs maintenance beyond changing batteries, contact ZIBRIO for customer support.
- The ZIBRIO SmartScale has an expected service life of 3 years (This statement does not imply warranty coverage.)

13. DISPOSAL

The ZIBRIO SmartScale is an electronic device. At the end of its life, it may be disposed of only in manners approved for disposal of electronic devices. Contact local authorities to determine proper methods of electronics disposal in your area.

14. HELP

Contact ZIBRIO to report unexpected operation or events, or if you need help. You can contact us by visiting www.zibrio.com/support or email us at support@zibrio.com.

Headquarters:
ZIBRIO, Inc.
2450 Holcombe Blvd Suite X
Houston, TX 77021
USA

15. WARRANTY

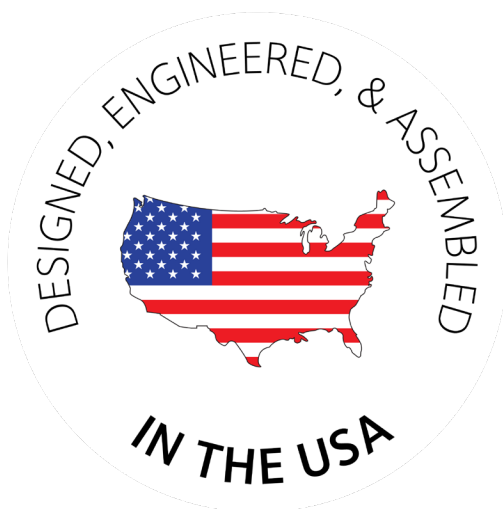
Solely for the benefit of the original buyer, ZIBRIO INCORPORATED (“ZIBRIO”) warrants all new ZIBRIO SmartScale products of its manufacture to be free from defects in material and workmanship, and will replace or repair, F.O.B., at its factory in Omaha, Nebraska, USA, or other location designated by ZIBRIO, any ZIBRIO SmartScale products returned to it within twelve (12) months of original purchase by the buyer. Such repair or replacement shall be free of charge.

ZIBRIO warrants to the original buyer, all repaired or replaced products to be free from defects in material and workmanship and will replace or repair such products F.O.B., at its factory in Omaha, Nebraska, USA, or other location designated by ZIBRIO. Such repair or replacement shall carry a warranty of ninety (90) days from the date of repair or replacement or the balance of the new product warranty as described above, whichever is greater.

This warranty applies to all ZIBRIO Smartscale products manufactured by ZIBRIO and is the **ONLY WARRANTY GIVEN FOR THE SALE OF PRODUCTS OR SERVICES**. NO WARRANTIES IMPLIED IN LAW, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, SHALL APPLY. ZIBRIO WILL BE LIABLE, IN ANY EVENT, ONLY FOR THE PURCHASE PRICE OF THE DEFECTIVE PRODUCT, BUT NOT FOR ANY CONSEQUENTIAL DAMAGES.

This warranty may not be modified, amended or otherwise changed, except by a written document properly executed by a corporate officer of ZIBRIO.

ZIBRIO, Inc. voids the warranty if the ZIBRIO SmartScale is opened or tampered with in any way without prior authorization from ZIBRIO, Inc.



ZIBRIO SmartScale

USER MANUAL



www.zibrio.com