

Manual MotionSensor v1.0



PITCHPERFECT

User Manual

Review the user manual before using **PitchPerfect**. User manual can be found on www.pitchperfect-baseball.com/usermanual

PitchPerfect consists of two sensor that are affixed with a magnet in a shirt and shorts. The trunk sensor is worn against the chest in the shirt and the hip sensor is worn in the back of the shorts on the pelvis. The devices can be used with a mobile application (for both IOS and Android), which can be found in the AppStore and Google Play under the name **PitchPerfect Baseball**.

Front of Sensor



- logo white or green
- light indicator

Back of Sensor



- On/Off button
- Sensor ID
- Magnets for attaching and charging

How to use?

1. Turn your sensors on

To turn the sensor on, press the button on the back of the sensors for 3 seconds until the green light flashes on.

2. Connect with the app

In the settings menu, press the 'connect shirt' or 'connect pants' button to view available sensors. After you select both, the sensors will automatically start to synchronise.

3. Click sensors in clothing.

Click the sensor with the green logo in the shirt. Click the sensor with the white logo in the pants.

4. Start tracking

Tap the home plate to open the tracking menu. Press 'play' when you are ready to start tracking. The sensors do not need to stay connected during your training.

5. Stop tracking

After you finish training you can stop tracking and save your data. Make sure you have a working internet connection, and both sensors appear connected, before you press the 'save' button.

6. Turn your sensors off

To turn the sensor off, press the button on the back of the sensors for 3 seconds until the green light flashes. The light should now stop flashing.

Charging Case

PitchPerfect includes a charger case that can be used to store, carry and charge the sensors. The charger is delivered with a USB-C cable.



1. Power up the charger by connecting it with a USB-C cable to an AC-adaptor. Any AC-adaptor, with a 5VDC USB-A output rated at 500mA can be used for this charger. The green light on the front of the charger will turn on when connected properly.
2. The sensors will start charging when the magnets on the sensor are connected in the charger case. Make sure the logo's orientation on the casing and the sensor are aligned. Putting the sensors in the any other orientation will result in the sensors not being charged. The light indicator blinks slowly when it is charging.
3. When the sensor is fully charged the light indicator stops blinking and remains on.
4. If both sensors have been fully charged the USB cable can be unplugged from the charger.

Safety Notes

These instructions are for your personal safety, so please read them carefully! They protect you from electric shocks, injury, fire or explosions.

- Do not open the units! This might damage the safeguards of the units.
- Never remove any warning or labels from the units.
- This sensor contains a Lithium polymer battery.
- Do not expose to fire.
- Do not expose to high or extreme low pressures.
- Do not penetrate the units.
- Do not immerse the units in water.
- Do not leave the units in direct sunlight or high temperatures.
- Only use certified USB chargers with a rated voltage of 5V and rated current of at least 500mA.
- Only use proper USB-C cables with a rated current of at least 500mA.
- Store the units in a dry environment.
- If the unit is physically damaged, do not use the device and contact your distributor.
- Device maintenance may only be done by a qualified technician.
- Do not put the device in a microwave, oven or washing machine.

Specifications

Parameter	Value	Unit
Rated input voltage charger	5	Vdc
Input voltage tolerance	±5	%
Rated input current	500	mA
Battery charge capacity sensor	60	mAh
Battery time	>10	h
Dimensions charger(lxwxh)	111x71x22	mm
Weight charger	80	g
Operating temperature	0-45	°C
Operating height	0-2000	m

Maintenance

Before any work on the unit, pull the charging cable out of the unit and make sure the unit is turned off.

Battery replacement

If the battery is not functioning properly, do not replace the battery by yourself. Let a qualified technician perform this replacement to prevent damage or injury to yourself or the equipment. There is danger of explosion or fire when the batteries are incorrectly replaced! Replace only with the same or equivalent type of batteries.

Cleaning

Do not poke anything in the USB connector (except for a micro-USB cable) and do not clean with pressurized air. This could damage the connector. If the exterior needs to be cleaned, use a piece of dry or damp cloth. Cleaning alcohol can be used as well. If the USB connector needs to be cleaned, then this should be performed by a qualified technician.

Disposal Information

The unit, accessoires and packaging should be sorted for environment-friendly recycling.

Disposal Information (European Union)



This symbol on the unit or packaging indicates that this product complies with the WEEE directive 2012/19/EU and that disposal of the unit after its life-cycle could harm the environment. Do not dispose the unit (or its batteries) as unsorted municipal waste. This unit should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

CE Compliance Statement



PitchPerfect declares that this wireless device is in compliance with the essential requirements and other relevant provisions of the RED Directive. A copy of the CE Declaration of Conformity is available at www.pitchperfect-baseball.com/EUcompliance

FCC Compliance Statement Sensor

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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

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

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Compliance Statement Charger

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

Notes

This document is intended as a safety instruction for both experienced and inexperienced persons to safely operate the system.

PitchPerfect reserves the right to change product specifications without notice. As far as possible changes to functionality and specifications will be issued in product specific errata sheets or in new versions of this document. Customers are advised to periodically check the PitchPerfect website for the most recent updates on this product.

Contact

PitchPerfect

Haagweg 1

4814GA, Breda

www.pitchperfect-baseball.com

Made in The Netherlands