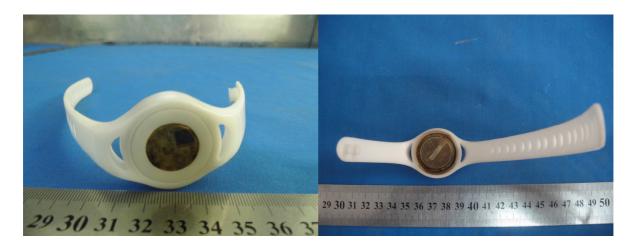# User Manual

Version 0.3.2 / December 13, 2013

This document covers only the Sqord hardware, including the PowerPod and SyncStation. For up‑to‑date information on Sqord software (SqordSync).

The Sqord PowerPod

Box Contents

1. Sqord PowerPod
2. Standard-sized wrist band (larger bands are available by request to hello@sqord.com)

Warning / Caution

- The Sqord PowerPod is intended as a fun device to measure a player's everyday activity. Sqord strongly cautions players to be very careful and focused on safety when undertaking any activity, and not to take on any activity purely as a way to generate Activity Points.
- The PowerPod is not dishwasher safe.
- The PowerPod is not intended for inclusion in a laundry machine washer or dryer.

Operation & Use

Activity Captured

The Sqord PowerPod is contains a 3-axis accelerometer which detects the intensity and duration of movement in any direction.

Sqord records this activity in 60 minute increments over a period of 72 hours. Activity not Synced after 72 hours is added to the player's overall total, but is not assigned to a specific date or time.

Assembly

Insert the PowerPod into the back of the wrist band, with the PowerPod tabs aligning to fit into the interior indentations of the band. The Pod should fit snugly with no movement, and no obvious deformation of the band. If it looks or feels awkward, try inserting the Pod at a different angle.

GeHng Started

The PowerPod is shipped in "sleep" mode. To get started, simply Sync it at any Sqord SyncStation by tapping the top of the PowerPod on the logo of the SyncStation. (Syncing is covered in more detail below).

Once you heard the SyncStation chime upon a successful Sync, the unit is "awake" and recording data. Sync again any time to see your points.

Account Setup

Though the PowerPod is recording activity from the first sync, a player must set up an account at SQORD.COM in order to login and fully participate in the online experience.

Once a player is in possession of a Sqord PowerPod, they may go to http://www.sqord.com/setup and follow the on-screen instructions.

Note that Sqord is committed to player privacy and security, and all players under 13 years of age will be required to obtain parental consent as part of that setup experience.

Full documentation on the online experience is available at http://www.sqord.com/help

Wear

The PowerPod may be worn in the provided band, or in any other location on the body. Sqord recommends wearing the Pod where it will record the most activity. In some cases, that may suggest carrying the Pod in a pocket or wearing it in the band around the player's ankle.

Normal Use

The Sqord PowerPod is designed to be used in even the most strenuous activities that a player may undertake as part of their everyday activity.

It is highly impact-resistant and IP rated 68, which means it is 100% dust-tight and suitable for use under water at a depth of 1 meter for 30 minutes.

Accuracy

In lab conditions, PowerPods record activity within 1% to 3% accuracy and consistency. In real-world conditions, especially when worn by active players, results will vary, and players can expect a range of 10% deviation for activities that are perceived to be identical.

Syncing

In order to transfer recorded Physical Activity data to Sqord, the player must "Sync" the PowerPod at any Sqord SyncStation.

1. Tap the top of the PowerPod to the logo on the SyncStation
2. You should hear chime, and the computer to which the SyncStation is connected should display a web page with your user name and your day's Activity Point Total.

Under normal operation, this process takes less than a second.

Radio TransmiKer for wireless Sync

- Connecting type: RF 2.4G ISM
- Transmifng Distance: 10 Meters

BaKery/Lifespan

The PowerPod contains a Lithium coin-cell battery which provides an expected lifespan of 12 months under normal usage conditions, at which time the unit must be replaced to continue playing Sqord. They battery is not rechargeable or replaceable.

- Battery: CR2330
- Voltage: DC 3V
- Standby Current: 1.3uA
- Working Current: 65uA
- Lowest Working Voltage: 2.0V
- Capacity: 300mAh
- Battery Working Life: 12 Months
- Operating Temp: ---20℃ to 60°C
- CE, RoHS, ISO certified
- Environmental-friendly: No Pb, Cd added

Maintenance

The Sqord PowerPod is a fully self-contained unit, requiring no user maintenance or upkeep. It contains no user-serviceable parts, and cannot be recharged.

Cleaning

In the event the PowerPod must be cleaned, use only soap and water. Avoid chemical solvents, especially thinners, benzene, or alcohol. The PowerPod is not dishwasher or laundry safe.

Physical Specifications

Weight : 11.5 grams,0.41 oz.
Length: 1.625"
Width: 1.438"
Height: 0.438"

Troubleshooting

Syncing -- Weak Signal

Transmission is activated by tapping contact between the PowerPod and the logo on the top of the SyncStation. Range of transmission between the PowerPod and the SyncStation is roughly one meter to reduce chance of interference with other units and to minimize the power required for transmission.

In the case where the PowerPod is too far away (where a player runs back out to play instantaneously after syncing) or where the signal is detected by more than one SyncStation, a failure message will appear.

Correct this issue by pausing momentarily during Sync to confirm the process has completed, and/or moving your multiple SyncStations farther apart.

Syncing -- No response from SyncStation

To avoid unnecessary battery drain, the Pod may not transmit more than once in a ten second span. Therefore, if a first Sync was unsuccessful, subsequent attempts may also fail within that ten second window.

If your Pod refuses to Sync, wait for 15 to 20 seconds without attempting to Sync, and then try again.

FCC Certification Requirements

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.