

PadelPlay sensor

PS215

User manual



About this document

As padel enthusiasts ourselves, we've been hooked on the sport since the first time we stepped on court. Our goal is simple: to help players of all abilities to unlock their full potential and engage with the game like never before.

PadelPlay. Track Every Shot, Master Your Game.

This manual explains how to install, operate and maintain the device safely, and lists the legal obligations that apply in the EU and the United States. It is written for padel players aged 14 years and above; no special technical skills are required.

1. Product

1.1. Intended use

The PS215 is an inertial-measurement-unit (IMU) with Bluetooth LE that mounts to the butt-cap of a padel racket via a dedicated silicone sleeve and over-grip. It records swing metrics (speed, spin, impact point, etc.) and transmits them to the PadelPlay mobile app for performance analysis.

2. Safety

2.1. Safety features

- Li-Po battery with built-in protection circuit.
- Auto-sleep after 5 min inactivity to prevent overheating.
- Over-the-air firmware updates to prevent corrupted

1.2. General specifications

1.3. Requirements for work/use environment

- Ambient temperature 0–40 °C and dry conditions.
- Keep strong magnets, RFID gates and high-IR sources ≥ 30 cm away to avoid interference.

1.4. Main parts

Overview of the main parts of the product:

Reasonably foreseeable misuse includes:

- attaching the sensor to other sports equipment (tennis, golf, baseball bats, etc.);
- using it as a toy or jewellery;
- operating it while charging;
- submerged or high-impact use. Such misuse may impair accuracy or damage the battery.

1.5. Safety warnings and regulations

1.6. DANGER - Lithium-polymer battery

Do not puncture, crush, short-circuit or expose above 10 °C; risk of fire or toxic fumes.

1.7. WARNING - Pacemakers & ICDs

Magnets and RF transmitters inside the sensor may affect implanted cardiac devices; keep ≥ 15 cm (6 in) from the chest and consult a physician before use.

1.8. WARNING - Small parts

Sensor mount and finishing tape present a choking hazard to children under 3 months.

1.9. CAUTION - Impact

Ensure mount is fully seated; an unsecured sensor may fall from racket and cause injury.

1.10. NOTICE - Moisture

Splash-proof only; do not submerge or expose to heavy rain.

1.11. USB-C cable

1.12. Silicon mount

1.13. Over-grip & finishing tape

1.14. Sensor body (USB-C port & charging dots)

1.15. Battery

1.16. Frequency band

1.17. Max. transmit power

1.18. Operating temperature

1.19. Operating humidity

1.20. CE / UKCA

1.21. Power input

1.22. Weight

1.23. Dimensions (Ø × H)

1.24. Model

1.25. Parameter

1.26. Value

3. Installation

3.1 Remove packaging

1. Check that the following items are present: sensor, silicone mount, over-grip, finishing tape, USB-C cable, quick-start card.
2. Recycle paper/cardboard; dispose of plastic bags according to local rules.

3.2 Mounting sensor to racket

1. Fully charge the sensor (LED breathes green when complete).
2. Fold the thin lip of the silicone mount outward until mid-position (see fig.).
3. Slide the mount over the butt-cap; unfold lip smoothly around the handle.
4. Wrap the PadelPlay over-grip over the mount, starting from the butt upward.
5. Secure with the supplied finishing tape.
6. Align the two gold charging dots downward and push the sensor into the mount until it clicks.

3.2 Downloading the app

1. Scan the QR code or search "PadelPlay" in the Apple App Store (iOS 15+) or Google Play (Android 11+) padelplay.ai.
2. Allow Bluetooth and motion-sensor permissions when prompted.

4. Installation

4.1 Setting up the app

- Create a profile.
- Pair the sensor via Bluetooth LE; LED turns solid blue on success.

4.2 Normal use

- Start a session in the app; the sensor records up to 8 h or 10 000 strokes.
- Keep your phone within 10 m for live stats; otherwise data is cached locally.

5. Troubleshooting

Problem	Cause	Solution
No power	Battery empty	Recharge 2 h via USB-C
App cannot find sensor	Bluetooth off / out of range	Enable BT, keep within 10 m
Data inaccurate	Mount loose or inverted	Reinstall mount, align dots
Sensor warm	Continuous charging	Unplug after full charge

6. Maintenance

6.1 Periodic tasks

- App updates – enable auto-update in your app store.
- Firmware – Settings > Firmware > Check update.
- Cleaning – wipe with soft, slightly damp cloth; no solvents.

6.2 Spare parts

Replacement mounts, over-grips and cables available at shop.padelplay.ai.

7. Storage and transportation

Declaration

Store at 20 – 25 °C, 40 – 60 % RH; recharge to ~50 % for storage > 3 months. Use the supplied pouch and keep metal objects away from the charging dots.

Interference

None

Interference

None

Interference

None

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None

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None

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None

None