wimu® PRO

USER MANUAL

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Made in the EU

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Advanced technology for realtime physical activity monitoring

Realtrack Systems has developed the leading wearable device system WIMU PRO to monitor every moment of your training sessions. Uniting ergonomics and performance to collect and transmit instantly every conceivable metric and variable to maximize efficiency and productivity during real time, training and coaching sessions, individual recovery & return to play management, tactical implementation, talent identification and deep dive data post session for your specialist teams to analyze and build their own database of individual and team parameters and history.

Total data capture; Equiped with multiple sensors WIMU PRO captures and processes every individual movement and positional change on the field or court, with an inbuilt INTEL processor only WIMU PRO can guaranteeimmediate data flow using 3 independent wireless technologies.

Intel Atom Inside 1GHz

Hybrid Location System; GPS/GNSS 18Hz

Precision Locator UWB <10cm

4 realtime monitors:

BLUETOOTH, BLE, ANT+, WIFI B/G/N
(HEART RATE, SMO2, EMG, ETC)

3 Level Inercial Sensors:

3D Accelerometer1000 Hz (400G)
3D Gyroscope 1000 Hz (8000º/S)
3D Magnetometer (100Hz)

OLED Screen (player ID)

Standard USB portal

Small and light

1

LED COLOR CHART

STATE	BLINKING -Slow-	FLASHING -Fast-
●	Booting	Wimu Ready
●	Logger	
●	GPS fix / ANT+ Connect	

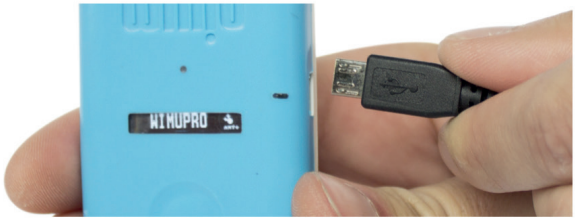
MICRO-USB CONNECTOR

To charge the battery of the device from AC adapter and to load data

ON / OFF BUTTON

Switch ON / OFF

2 BATTERY



WIMU PRO has to be fully charged before starting any activity. Be sure the red LED from the lateral is turn off (it will indicate the battery is fully charge). If we start a session without the enough battery charge, we risk not recording the full session.

3 SWITCH ON/OFF THE DEVICE

1. ON Press the button until a blue light flashes.
It's recommended to place the device horizontally (in the floor, i.e.) and away from vibrations during the first 30 sec. it's on. WIMU PRO uses this period of time to take references.

2. OFF Press the button 3 in quick sucession (less than 1 second)

4 STARTING PROCEDURE

In 30 seconds, aprox. you will see a BLUE LED flashing, then a blue LED will flash quicker.
That means that WIMU PRO is ready to be used.

5 LOGGING

To start collecting data, we have to press and hold the button for 1 second.
Then a flashing is displayed followed for a red led blinking. Remember, the red led indicates the session is being recorded into the device

6 PLACE OF WIMU PRO

Place the device into the sport vest as seeing in the picture

Technical Specifications (WIMU)

Computer interface wireless, micro-USB
Maximal Output RF Power 12,5 dBm.
Protocol WiFi 802.11 b/g/n, Bluetooth, ANT+
Data Storage 16 GB
Battery type Lithium-ion, [1300,1800] mAh
Charge Micro-USB AC adapter
Charge time < 3 h
Autonomy transmitting > 3 h
Autonomy in standby > 7 days
Operating temperature from -20 to +55 ºC

Maintenance Warning

- Use WIMU PRO only as directed in the user manual.
- Do not disassemble the device.
- Protect the device from possible damage, do not drop or expose to extreme heat of excessive sun exposure.
- Keep the device in a clean and dry place, at room temperature. -Avoid scratching the device.
- Please protect the Performance Sensors from water.

Cleaning

Clean your device with a wet cloth, if necessary use a mild soap.
Do not use gasoline, solvents, acetone, alcohol, repellents, paints or any other chemical products on the device..

Maintenance Warning

It is not a medical product. WIMU PRO must not be used as a substitute for obtaining measurements that require professional precision or laboratory-quality measurements. All training plans in WIMU PRO have been developed by professional and qualified trainers.
However, they do not replace doctor's advice.

Warning

People who have a pacemaker, defibrillator, or other implanted electronic devices use WIMU PRO at their own risk. Before starting using WIMU PRO, we recommend an exercise test under a doctor's supervision with WIMU PRO.
Exercise may include some risk, especially for those who have been sedentary for a long period of time. We strongly advise you to get a medical check-out prior to beginning a regular exercise program.
The equipment shall be powered by a limited power supply in compliance with clause 2.5 of Standard UNE-EN 60950-1 which meets SELV requirement.

Battery

Please ensure that you follow the guidelines listed below. Failure to follow these guidelines may result in a shortened battery life span and/or result in damage to the WIMU PRO and possibly injury.

- If the WIMU PRO is to be stored for an extended period of time, please ensure that the product is kept within the following temperature range: from 5°C to 25°C.
- Do not operate the WIMU PRO outside the following temperature range: from -20°C to 55°C.
- Do not puncture or incinerate the WIMU PRO.
- Batteries must be disposed of properly according to local laws and regulations.
- Do not disassemble.
- Do not expose to high temperatures.
- Do not dispose of your battery in a fire.

It is not possible to extract the battery used in WIMU devices. Due to its components, these batteries must be properly managed in order to avoid environmental damage.

Thus, the whole device should be returned to RealTrack Systems S.L. (C/Guinea, 2 - 04009 Almeria, Spain) for the correct waste management once it will no longer be used.

For private households: Information on Disposal for Users of WEEE
This symbol (figure 1) on the product(s) and / or accompanying documents means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with you national legislation.

Figure 1. WEEE Symbol – Crossed out wheeled bin

For professional users in the European Union
If you wish to discard electrical and electronic equipment (EEE), please contact your dealer or supplier for further information.
For disposal in countries outside of the European Union
This symbol is only valid in the European Union (EU). If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Declaration of conformity

Hereby, Realtrack Systems declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

To view the full Declaration of Conformity, see the Realtrack Systems Web Site for your WIMU PRO product:
www.realtracksystems.com/certificates/conformity.pdf

CE Compliant CE

This product complies with the Directive on Electromagnetic Compatibility and with the Low Voltage Directive.

Regulatory Information FCC FC

Changes or modifications 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.

RF exposure safety
This device complies with the FCC RF exposure limits and has been evaluated in compliance with portable exposure condition.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

This device has been shown to be capable of compliance for localized SAR for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and has been tested in accordance with the measurement procedures specified in FCC RF Exposure guidelines and IEEE Std. 1528-2013.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations.

There is no limitation as to which distance can be used from the human body.

Class B device notice
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.

Regulatory Information ISED

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with ISED license-exempt RSS(s). 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.

RF exposure safety
This device complies with the ISED RF exposure limits and has been evaluated in compliance with portable exposure condition.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR.

This device has been shown to be capable of compliance for localized SAR for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Std. C95.1-1992 and has been tested in accordance with the measurement procedures specified in ISED RSS-102 and IEEE Std. 1528-2013.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations.

There is no limitation as to which distance can be used from the human body.

CAN ICES-003 (B)
This Class B digital apparatus complies with Canadian ICES-003.

RMA (Return Merchandise Authorization) and DOA (Defective on Arrival) Processes

When requesting a RMA or a DOA to RealTrack Systems, you accept the following conditions:
All submissions must be properly packaged to prevent damage during shipment. RealTrack Systems is not responsible for items that are misdirected, lost or damaged in shipment.
Any RMA service out under warranty will not extend the warranty of the product nor create any new warranty.
It is your responsibility to back up all data on a hard drive before shipping the product to RealTrack Systems, which is not responsible for any data that is lost during the diagnostic process.

I. Terms for Return

1. Each return material requests must be made by email or through the RMA form provided in RMA@realtracksystems.com

2. The material can only be returned when previously the Customer Service generated a valid RMA number. After RMA request has been confirmed by a representative RealTrack Systems, you will receive an email response with your RMA number and any other information you may need to know about your request for RMA, including the return address, the guidelines required documents such as the invoice and packing list, etc.
If your purchase is out of Spain, follow the guidelines will be given, preparing INVOICE AND PACKING LIST so that it can carry out the customs clearance and list your RMA number legibly on these documents. If delivered via international carriers like FedEx or DHL, specify "RETURN FOR REPAIR. NO COMMERCIAL VALUE. VALUE FOR CUSTOMS PURPOSES ONLY." in carrier's shipping documents.

3. The RMA number is valid only 10 working days from the date of creation of that number by the Customer Service, hence the product must be returned to RealTrack Systems during that time period.

4. Only you can return the equipment that was purchased in RealTrack Systems. Verification is based on the serial numbers, as the date and the invoice number or any other related documents needed for proper verification. Our warranty does not cover physical damage, misuse of the product and natural disasters.

5. Returns must be made with full original packaging and with all elements of the complete package. Without exception, the RMA received without all items in mint condition will not be processed.

6. Do not write on the original packaging: the RMA number must be visible on the shipping label.

7. Products will not be accepted under the following circumstances:
   If the product is returned without any of the components of the original sent or that these are not in perfect condition.
   If the reason / s for returning the product does not correspond to what had been stated in the request for RMA.
   If the product is damaged somehow.
   If no valid RMA number visible on the label sent.
   If a product is returned as DOA tested and shown to be fully functional.
   f the product is received after 10 days from the shipping date RMA number, whichever period
   expires, you must start the process.
   If the product is not returned in its original packaging or packaging.

8. The customer is ultimately responsible for the condition of the returned item. This policy shall be communicated in turn to end customers (end-user).

9. Products that are obsolete or discontinued by the manufacturer can not be returned. RealTrack Systems not accept the return of loose accessories, software or service contracts (agreements).

10. In cases where a replacement material is needed and the RMA accepted and valid standards
action will be taken for shipments. RealTrack Systems will take care of this process as well as its cost.
Note: Under customer demand urgent deliveries can be made with the possible increase in costs for which the customer will pay.

* Shipping and processing costs:
In Warranty products: Any products returned as DOA and then RMA is not defective will be returned and the shipping fee will be paid by the customer.

Out of Warranty Products: RealTrack Systems reserves the right to refuse the repair of a product whose warranty has expired or canceled. In the event that a non-warranty repair is required, the client must pay for the spare parts, processing fees, and shipping costs for sending the product to and from RealTrack Systems.

II. Reasons for Return

1. DOA (defect origin Deal on Arrival)

The DOA issues must be reported within 5 business days after the invoice date to RealTrack Systems. The product must retain packaging, with all peripherals and accessories intact, enclosing the
original invoice from RealTrack Systems. If a product is tested and the problem does not play, will charge the customer a 15% "no problem found".

2. Defective Products

RealTrack Systems offers the warranty exchange / repair if defective products are within the time required by law.
Note: If the customer returns equipment to benefit from your warranty rights and this material is proven not defective, the customer will be responsible for all costs associated with the warranty claim unjustified, including transportation, inspection, etc.

3. Incorrect Deliveries by RealTrack Systems

- The customer service should be informed of any delivery errors in the course of 15 days from the invoice date.
- We will only accept the return of goods in their original condition and undamaged in the original packaging.
- RealTrack Systems will be responsible for transportation costs for return of material.
- RealTrack Systems attempt to collect goods once. If the customer or end user are not present at
  the time of collection, shall return the products at own expense.

4. Products Damaged in Delivery RealTrack Systems

- The customer service must be informed of all shipping damage within 10 days from the invoice date. Damage must be indicated to the runner at the time of receipt of material. Pictures of the damaged product to be sent to RealTrack Systems: please retain all packaging until inspection by the messenger.
- RealTrack Systems will be responsible for transportation costs for return of material.

5. Wrong Customer Order

- All requests must be made within 10 days from the invoice date.
- RealTrack Systems reserves the right to request a RMA number for the return of material when the customer has placed a wrong order.

RealTrack Systems reserves the right to charge the customer a restocking fee of at least 15% of the product value.

Systems RealTrack not accept returns of the following products:
- Accessories loose
- Software
- Inactive products
- Service contracts
- Material of special conditions requested to RealTrack Systems
- Materials developed specifically for the client request

* The cost of the return postage will be paid by the customer.

Product Returns

The products are returned in their original packaging, complete and without any tape or writing printed on the packaging to the following address:
RealTrack Systems Return Centre
C/ Guinea, 2 - 04009 Almeria (SPAIN)

Shipping Tips

Returns are only accepted if they are recognized by an RMA or DOA.
The DOA RMA number must be clearly indicated on the top of the box so you do not damage the original box. Always mention the number in the transport document.
Any product received damaged due to insufficient packaging, is subject to rejection of the warranty and / or warranty replacement request.
It is your responsibility to initiate and solve all load demands of any product received damaged with the appropriate carrier.
It is your responsibility to ensure that these requirements are met.

Privacy Policy, DATA PROTECTION ACT Pursuant to the Organic Law 15/1999, of December 13, Protection of Personal Data, we inform you that personal data supplied on this form, along with those obtained during the development of the service, will be incorporated into a file owned by RealTrack Systems, SL duly declared to the Spanish Agency for Data Protection, in order to respond to your request regarding the AFTER SALES SERVICE. We inform you that you have at all times the exercise of rights of access, cancellation, rectification and opposition by writing by post, enclosing a photocopy of your ID, in the address C / Guinea, 2nd Zip: 04009 Almería (Spain).