



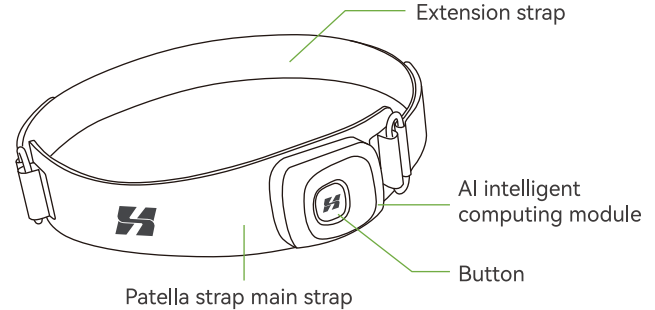
ORION PRO Intelligent Patella Strap

User Manual

Please read the instructions carefully before using the product



The Xtand Intelligent Patella Strap features AI algorithms + high-precision sensors as its core, achieving 99.6% accuracy in motion state recognition and 99% precision in behavior pattern analysis. It dynamically adjusts pressure within the 0-50KPA range in 1-3 seconds — ideal for emergency stop cushioning, squat support, and running pressure relief, adapting to every knee flexion and extension. The Warm Shield plush fabric offers a soft and delicate touch, while the heavyweight knitted inner lining offers smooth elasticity. Breaking through traditional limitations, it covers high-intensity workouts, specialized scenarios, and daily commutes, delivering stable knee support across all scenarios. The accompanying APP synchronizes real-time movement, force, and pressure adjustment records, generating workout reports and analyses to intuitively demonstrate protective effectiveness.

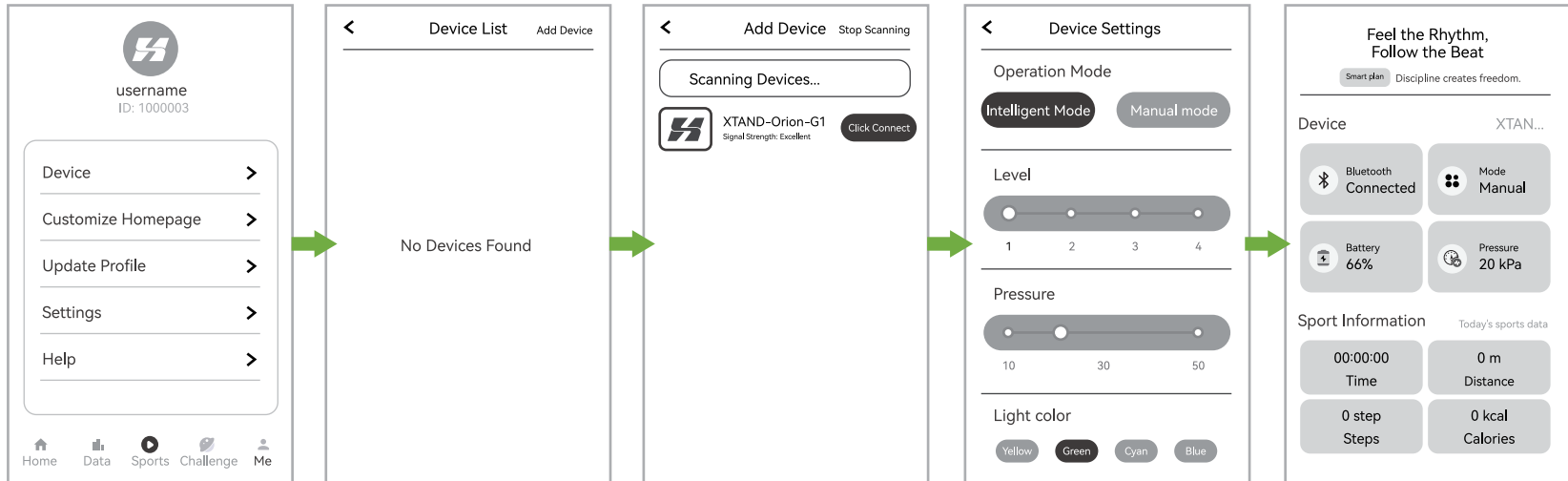


Unboxing、 Charging and Download APP

1. Unboxing and Inspection: Make sure you have the product, charging cable, and manual.
2. First charging: Use the included Type-C charging cable to fully charge the product. The LED indicator will change from blinking to a steady green light, indicating that charging is complete.

It takes approximately 60 minutes to fully charge, with a battery life of about 6 hours.

3. Search for "Xtand" in your phone's app store and download and install.
4. Turn on your phone's Bluetooth.
5. Open the app, register, and log in to your account.



Xtand App

► Main interface

- Dashboard: Displays real-time data such as steps, activity time, calories burned, and knee force.
- Device Status: Displays battery level, connection status, and current mode.

► Core Features

- Exercise Mode Selection: Select the appropriate mode in the app, such as Intelligent Mode or Manual Mode.
- Data Reports: View detailed daily, weekly, and monthly exercise and health data reports, including gait analysis and knee range of motion trends.
- Personalized Settings: Adjust the power level and data alert thresholds based on your weight, exercise habits, and goals.
- History: Review all your exercise history and detailed records.

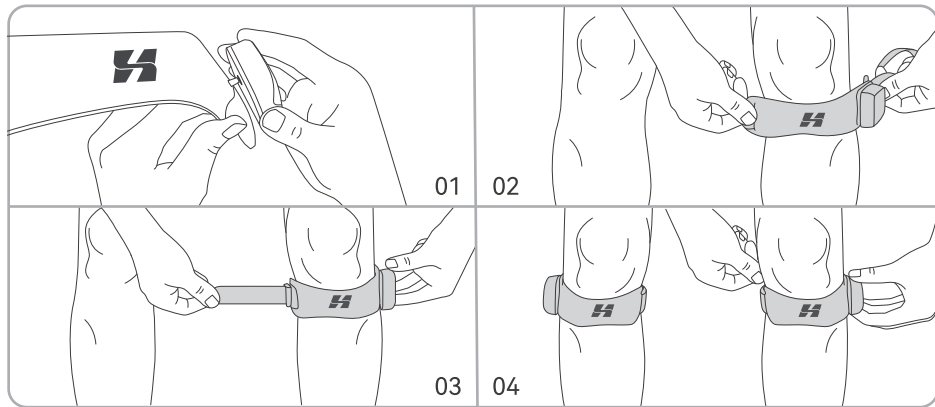
For detailed video instructions, please visit the official website: www.mebotx.com.

How to use

①Note: Before use, press the AI intelligent computing module until it fits snugly against the air valve of the patella strap.

Taking the left leg as an example, position the logo facing forward, 3-5 cm below the knee. Place the AI computing module on the outer side of the knee, and ensure the patella strap fits snugly against the patella of the knee joint.

②Thread through the buckle, adjust for a comfortable fit, and wear it with a natural snugness, then press and hold the module button for 3 seconds.



③ Turn on the phone's Bluetooth

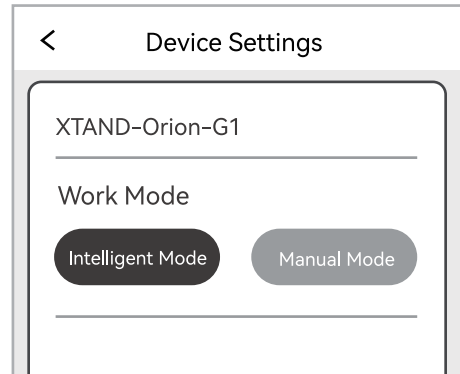
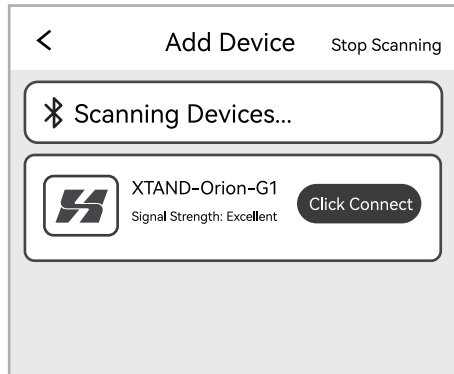
Ensure that the Bluetooth on the phone is turned on.

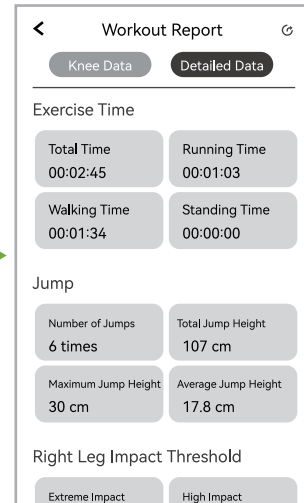
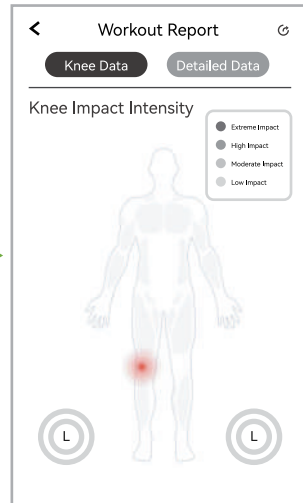
④ Connect the Xtand Intelligent Patella Strap

After registering and logging into the APP, bring the device close to your phone to set it up on the screen.

In the APP, click "Me" ➡ "Device" ➡ "Add Device" ➡ "Click Connect".

⑤ When the white light of the button on the Intelligent patella strap's AI computing module illuminates, the Intelligent mode is activated.

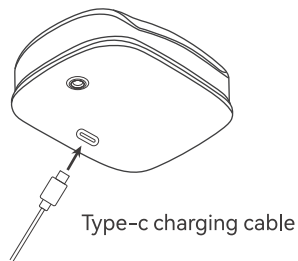




⑥Indicator Lights for Different Statuses.

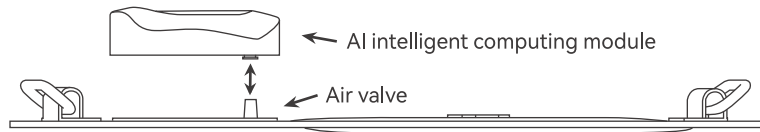
Status	Lighting color (base color)	Lighting effects	
		Manual	Intelligent
Precharge	Green	Slow flashing	Breathing
Walking	Blue		
Running	Yellow		
Going up and down the stairs	Red		
Intelligent mode	White		
Charging in progress	Red and green gradient	Breathing	
Charging completed	Green	Constantly on	
Power on preparation	Orange	Rapid flashing	

⑦ Press and hold the module button to power off. After the air is fully vented, remove the patella strap and take off the AI intelligent computing module. The bottom can be charged, and it takes 60 minutes to fully charge.



⑧ Disassembly: After turning off the patella strap, remove the AI intelligent computing module as shown in the above figure.

Assembly: Align the air hole end of the AI intelligent computing module with the air valve end of the patella strap, and press until it is fully attached to the patella strap. Verify the completion of installation by turning on the device (orange light flashes quickly). If the breathing light (orange) does not flash normally after pressing and holding for 3 seconds, it is considered a startup failure — repeat the above steps.



Specifications

Brand: Xtand

Model: Xtand Orion

Name: Intelligent Patella Strap

Weight: 52g

Suitable for leg circumference: 34~45cm

Charging Time: Approximately 60 minutes

Battery Life: 4~6 hours

Charging Voltage:DC 5V

Battery Type: Lithium

Pressure Adjustment: 0~50kPa

Operating Temperature: 0°C~45°C

Storage Temperature: 0°C~45°C

Bluetooth Version: 5.1

Compatible Systems: iOS 12.0 / Android 10.0 and above

Attention

- The AI intelligent computing module cannot be washed or machine washed. Please remove the AI intelligent computing module when cleaning.
- Please use a mild cleaning agent when washing the patella strap.
- Do not heat this product as it may cause deformation.
- Please avoid using drying equipment and perform natural drying.



Warning

- Individuals currently undergoing medical treatment or those with pre-existing health conditions should consult a physician before use. Discontinue use immediately and seek medical attention if any physical discomfort or abnormality occurs during use..
- Excessive tightness may impede blood circulation.
- Do not wear directly on the wound area.
- Do not dismantle or modify the product without authorization.
- The product shall not be used in combination with other products or for other purposes.
- Keep batteries out of reach of children
- Minors must be supervised by a guardian when using this.
- Do not use while sleeping.

Note

- Before and after using the product, please confirm if there are any abnormalities around the knee and knee area.
- For any product usage-related issues, please contact customer service.
- Please store the product in a well ventilated area without direct sunlight.
- Be careful to avoid touching sharp objects such as cones and needles with the product.

Comply with

- It is prohibited to wear products into water or ride amusement equipment with large pressure changes.
- Do not squeeze with heavy objects.
- The best effect is to wear it directly on the skin, and people with sensitive skin can wear it through thin clothing.

Prohibited

- It is prohibited for individuals with orthotics, steel nails, etc. inside their bodies to use this product.
- Individuals with related illnesses or wounds should consult a physician before use.
- (The following Individuals are prohibited from using the product):
- Patients with allergic dermatitis, those with allergic constitution, pregnant women, drinkers, and other individuals diagnosed by doctors as unsuitable are prohibited from using it.
- (General instructions):
 - Regions that have undergone orthopedic surgery, Wound sites in diabetic patients, Areas with pain or sensory impairment, Inflamed or burned skin, Eczematous regions, Areas with inflammation caused by acne or secretions.
- (Other prohibited items):
 - If any abnormal feeling or physical abnormality occurs during the use of the product, it should be stopped immediately.
 - If redness, itching, rash, etc. occur during the use of the product, it should be stopped immediately.
 - Do not use while applying ointment.
 - This product should not be used for purposes other than its designated use.



Product and Parts Recycling Instructions

Recycling Guidance Statement:

In order to protect the environment, after this product or components are scrapped, it is your responsibility as a consumer to send it separately from domestic waste to a qualified recycling site, which will sort, dismantle, recycle and otherwise dispose of it in accordance with relevant national regulations.

- : This indicates that the content of this harmful substance in all homogeneous materials of this component is below the limit requirements specified by GB/T 26572.
- ✕ : Indicates that at least one homogeneous material in this component exceeds the limit requirements specified by GB/T 26572 for this harmful substance.

Part Name	Toxic and hazardous substances or elements					
	Lead	Mercury	Cadmium	Hexavalent chromium	Polybrominated biphenyls	Polybrominated diphenyl ethers
Hardware	○	○	○	○	○	○
PCB board	○	○	○	○	○	○
Plastic parts	○	○	○	○	○	○

Warranty Regulations

1. The Xrand product purchased by consumers for personal use is covered by a six-month warranty under normal use from the date of purchase.
2. During the warranty period, if a malfunction occurs under normal use and requires free repair, please return the product to the manufacturer with this card and the original invoice.
3. Free warranty service does not apply to the following cases, though paid repairs may be available:
 - a. Damage caused by improper use, maintenance, and storage by consumers;
 - b. Damage caused by disassembly by non-authorized personnel;
 - c. Lack of a valid warranty card or original purchase invoice;
 - d. Discrepancy between the product model and the warranty card model, or alteration of the warranty card;;
 - e. Damage caused by force majeure.
4. If the warranty card is lost, it will not be replenished. Please keep it properly.
5. Beyond the repairs specified in this warranty, users with valid warranty cards retain all other rights granted by applicable national laws and regulations during the warranty period.

Contact Us

If you need any assistance, please contact us via the following methods:

Customer Support Email: service@mebotx.com

Official Website: <https://mebotx.com>

Disclaimer: Product specifications and software features are subject to change without prior notice.

Please refer to the latest version of the app and official website for accuracy.



RoHS



mebotx.com



XTAND reserves the right to update the specifications without prior notice. Printed in China

FCC Statement

Any 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 warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.