

# KFORCE by

 PLATES

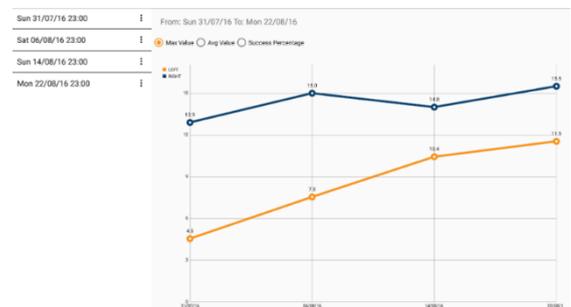
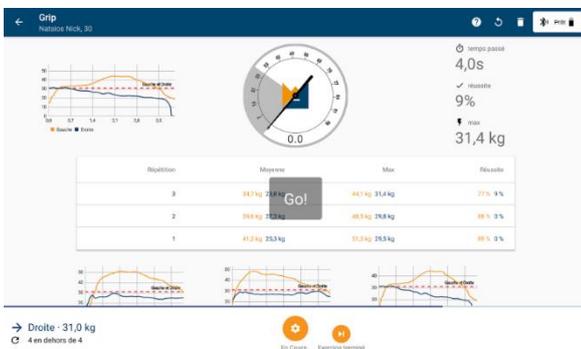
 GRIP

 MUSCLE controller

SENS 

 BUBBLE

## User's manual



WE MEASURE PROGRESS

This manual concerns K-FORCE products. The information content of this manual belongs to KINVENT, and is provided only for the purpose of operating K-FORCE devices and software.

This manual is subject to modifications. The latest version is available on [www.k-invent.com](http://www.k-invent.com) .

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Last revision: 30-12-2016



**Complies with MDD93/42/EEC Directive Requirements**

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## Introduction

Thank you for purchasing a K-FORCE product.

K-FORCE is the product line developed by KINVENT to quantify objectively the rehabilitation. The product line of K-FORCE is the complete tool designed for assessing, monitoring and exercising balance, strength, and joint motion. It consists of 5 devices, all of them equipped with high precision measuring systems and with the KINVENT's excellence in interface development, mechanics and electronics. K-FORCE is composed of:

-  **GRIP** for the evaluation of hand grip strength
-  **MUSCLE controller** KINVENT's hand held muscle dynamometer
-  **PLATES** for the assessment of lower limb strength as well as balance
-  **SENS** for the assessment of joint amplitudes
-  **BUBBLE** for the rehabilitation with biofeedback by the way of inflatable tools

**Minimum Requirements:** Android 5.0+ and iOS 10.0+, Bluetooth Low Energy, 5" Screen

### About us

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KINVENT is specialized in the design and manufacturing of biomechanics equipment. Our strength is that we can conceive and implement solutions to any challenge in sports biomechanics and physical rehabilitation. Our products include ready-to-use force plates, inertial wireless sensors, simulators and various custom-made applications.

Find more information on our products at [www.k-invent.com](http://www.k-invent.com).

### Important safety notice

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#### Photosensitive seizure warning

A very small percentage of people may experience a seizure when exposed to certain visual images, including flashing lights or patterns that may appear in video games. Even people who have no history of seizures or epilepsy may have an undiagnosed condition that can cause these “photosensitive epileptic seizures” while watching video games. These seizures may have a variety of symptoms, including altered vision, eye or face twitching, jerking or shaking of arms or legs, disorientation, confusion, or momentary loss of awareness. Seizures may also cause loss of consciousness or convulsions that can lead to injury.

Immediately discontinue playing and consult a doctor if you experience any of these symptoms. Parents should watch for or ask their children about the above symptoms.

## Safety

K-FORCE products have been designed with the greatest concern for safety.

- Do not use the system or accessories near water
- Do not allow small particles or liquid particles or other small objects to get into the K-FORCE system or any of its accessories
- Do not expose the system to dust, steam or smoke. Don't place or use the system in areas with excessive smoke or dust.
- Don't expose any K-FORCE components to high temperatures, high humidity, or direct sunlight.
- Don't place any K-FORCE components on unstable surfaces, or surfaces subject to vibration.
- When carrying a K-FORCE component, be careful to have a good grip in order to avoid the fall of the system which may cause damage or injury.
- **Never disassemble or modify the system or accessories.** Use the system according to the instructions in this documentation or any other documentation provided by KINVENT. No authorization is provided for any modification, analysis of circuit or mechanics configurations. An unauthorized modification will void your warranty.

## General Operating Conditions

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### Operating Environment

K-FORCE devices must be used indoors. K-FORCE must be used only in clean, dry rooms with leveled floors. Make sure you have plenty of space around you when you use it.

### Storage, Packaging and Transportation

Temperature: -10 °C to 40 °C

Air Humidity: 30 % to 75 %

## Calibration

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K-FORCE gives you metrics on the human muscular force. K-FORCE is sold already calibrated, to make it easier for you.

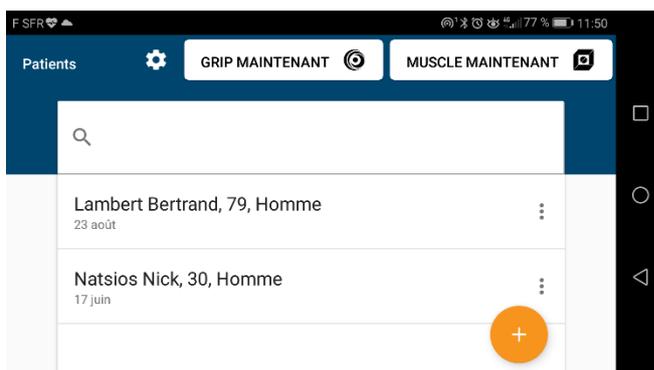
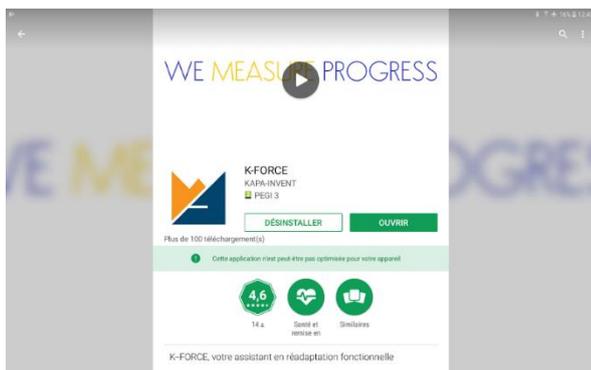
We recommend that the product be tested for calibration at least once a year. For more information on calibration, please contact your K-FORCE dealer.

## K-FORCE app

To install the KFORCE app you need a smartphone or a tablet with at least Android 5.0 or iOS 10.0 and Bluetooth Low Energy. Prefer devices with large screens (7" or more).

You can find the app in Google Play Store App Store by clicking KFORCE. Once in a while check for updates in the app, as you can obtain access to more features.

When the app is installed, please accept all notifications.



To open the app, select the icon  on your desktop. Welcome to the home screen!

### Home screen

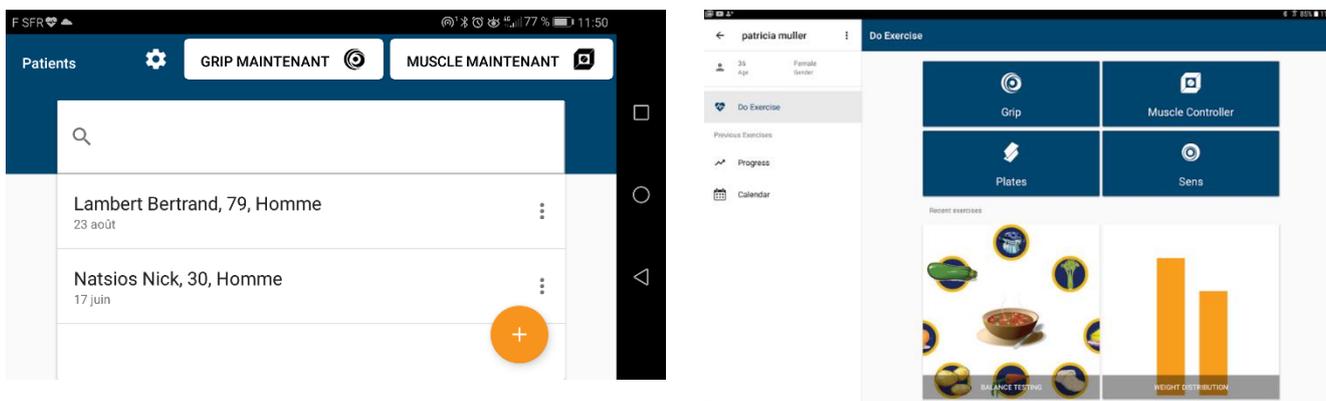


Figure 1, Home Screen

Create a new participant with  or select an existing one.

Once you have selected your participant, you can start exercising selecting the right device.

## Participant Selection and Creation

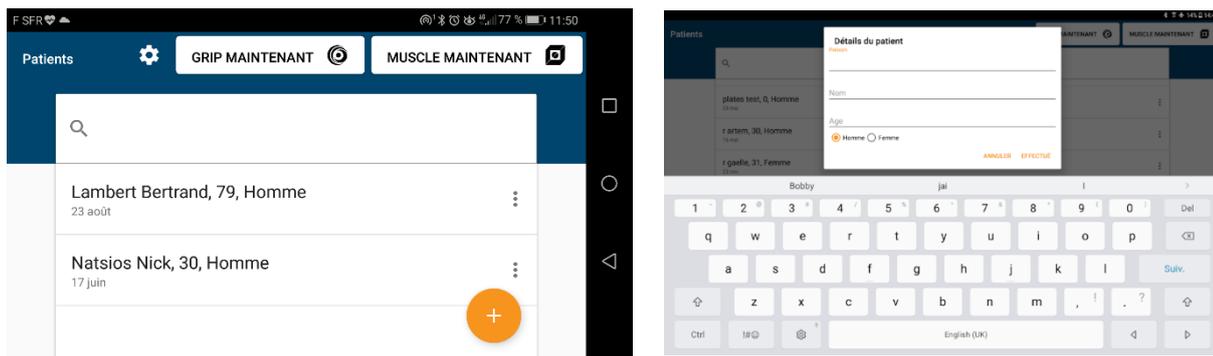


Figure 2, Participant Selection and Database

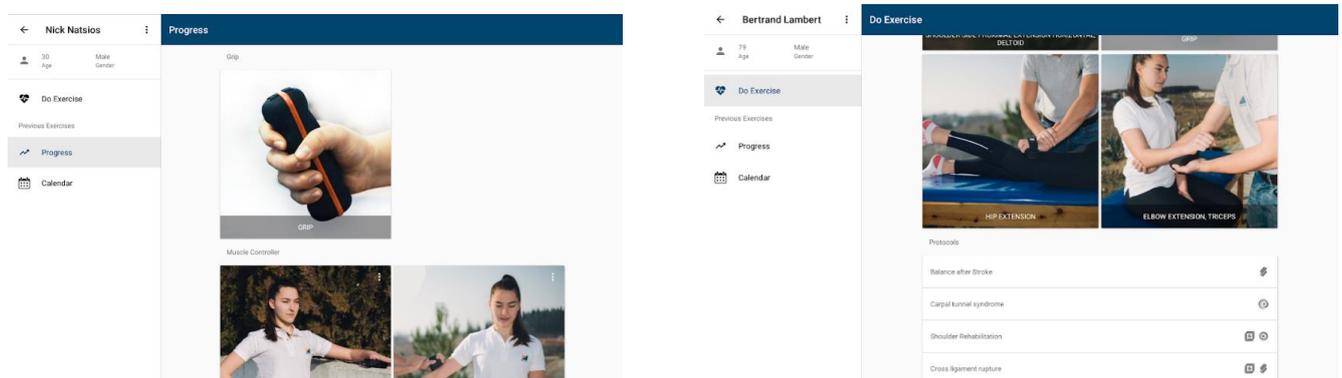
In this screen you can create, select or edit a participant. You can either choose to do a rapid assessment clicking on **FAST GRIP** or **FAST MUSCLE** (in this case the measurement is not saved in the database) or to work with a patient profile (in this last case the database of the patient will be updated after the measurement of the day).

In order to create a participant, click on  . You can delete a participant by clicking on  .

You can select an existing participant on the Participant selection zone.

## Participant 's history

When you are in the patient's profile you can do an exercise and check the participant's previous results in the database. To do that, click on any of the existing exercises. The exercises are organized by their respective K-FORCE device.



Below you can see an example of a Grip exercise done once a week during a month. You can watch the progression of Mr Natsios left hand following a cerebral palsy rehabilitation program (**fictive patient**). To check the repetitions in one day, just click on the day's dot.

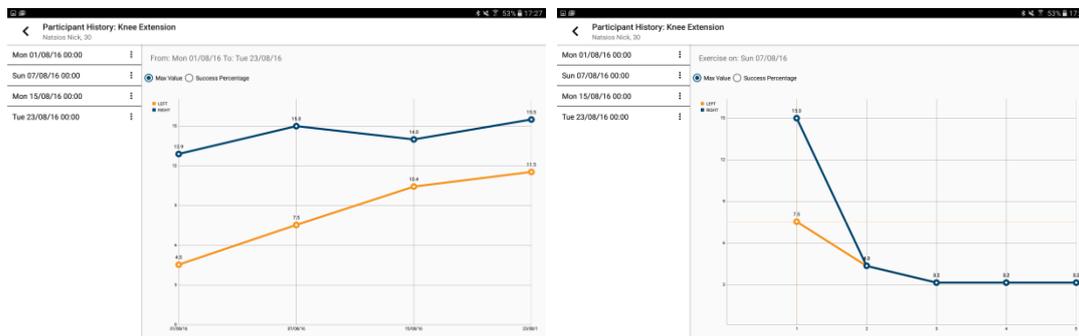


Figure 3, Database Results

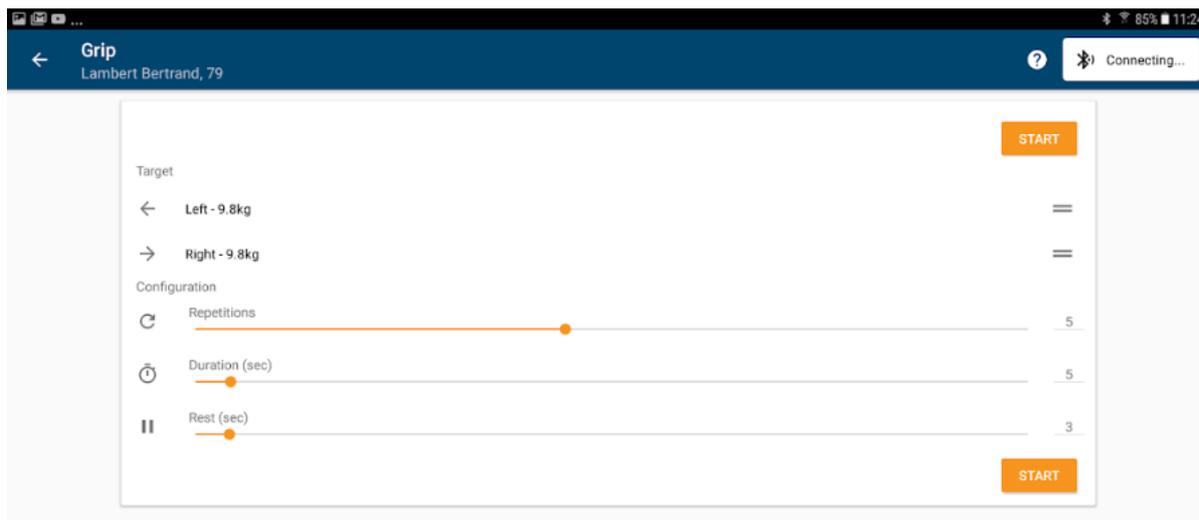
The names shown are fictive. Please notice that your personal data is not communicated to other devices.

You have now selected your participant. Let's check some basic exercises!

### Basic Exercise Screen

Check often for app updates as you can obtain access to more features and exercises.

Once you have selected your participant, and your device, you can be directed to the customizing exercise's screen. You can personalize the target (calculated following norms based on age and gender). You can also customize your assessment with sets, reps, workout and rest parameters.

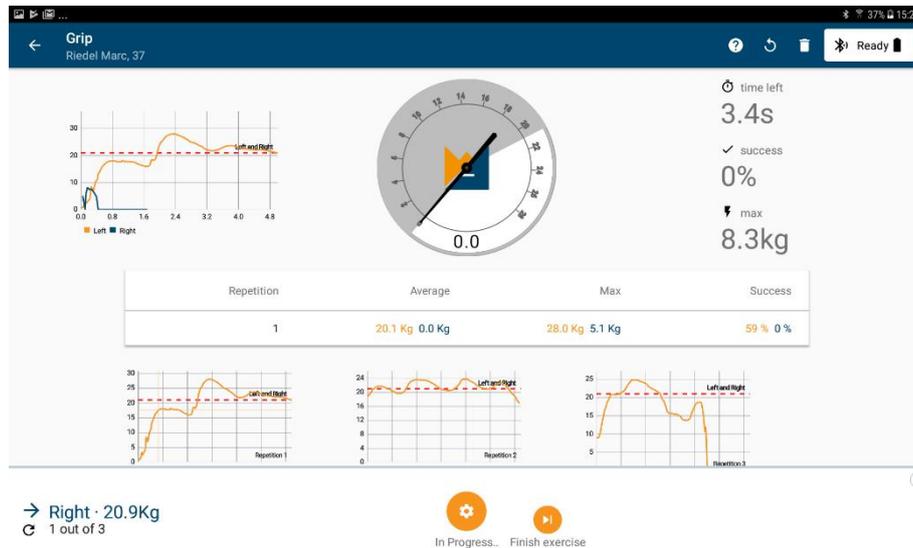


## K-FORCE manual

Once you have customized your assessment, you are directed to the basic Exercise Screen which is useful for obtaining practical metrics on your participants accompanied with an acoustic and visual feedback.

After having turned on the device, the pairing is automatically done.

**While your device is connecting, don't load the device, don't step on the device, don't move the device and don't put force on the device.**



**Figure 4, Basic Grip Exercise Screen**

### Info on this screen:



The manometer shows the force applied on a K-FORCE device in real-time. On the right top corner you can check the device connection state . Click on to see the  details of the exercise chosen.

You can follow-up the results of each repetition, such as Max Force, Average Force and Success Percentage (amount of time when Force is above Target)

Control the exercise state through the Buttons "Reset" and "Go/Stop".

Check one limb at a time. It is very important to properly choose the correct limb side (right or left) as this will affect the database results.

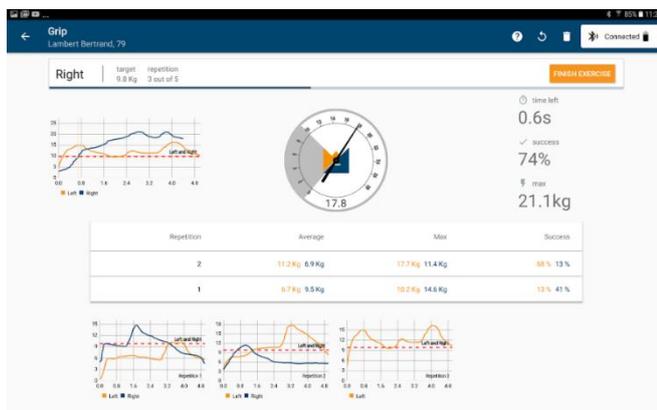
You can stop an exercise even before completing the total amount of repetitions asked in the first place. Just click on "Stop". The work done will be saved in the database

Check your results in the database as shown previously.



## K-FORCE Grip

K-FORCE Grip is used for the evaluation of hand grip strength. You can assess maximum isometric strength as well as fatigue. Grip strength is very important in sports and in rehabilitation for grabbing, lifting and throwing and should be assessed often after hand trauma or surgery. The device has an ergonomic elliptic shape for a better grabbing with an external diameter from 40 to 45 mm and can record grip strength up to 70 kg.



### Benefits

K-FORCE Grip is equipped with electronic force transducers and gives you real-time biofeedback on your tablet or smartphone through the K-FORCE app. Therefore, you can set strength objectives to your patient and motivate him through the process of rehabilitation. You will, then, follow-up your patient's progress through the K-FORCE interactive database.

The device is small, lightweight and mobile. Consequently, it can be used also by ambulant professionals, such as physiotherapists and personal trainers.

### Technical Features

<b>Minimum Requirements</b>	<b>Android 5.0+ and iOS 10.0+, Bluetooth Low Energy</b>
<b>Weight</b>	200 grams
<b>Dimensions</b>	45 x 55 x 160 mm
<b>Wireless Range</b>	Up to 20 meters
<b>Max Force</b>	90 kgs
<b>Battery</b>	1h30m of autonomy, 15 min for charging
<b>Power supply</b>	Li-Po Battery 150 mAh
<b>Radiated output Power</b>	Max. 5 mW
<b>Wireless transmission Frequency</b>	2.4 GHz band (Bluetooth Low Energy)

## Get Started

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On one part of the device you'll notice a micro-USB port used for charging, 1 LED for the charging state, 1 LED for the working state and one push-button.

You can charge your Grip device through the micro-USB cable provided or with any other regular micro-USB charging cable. You may have a charger already; many new mobile phones and other mobile products come with an IEC 60950 compliant USB charger.

While charging, a blue LED is on. Once the charging is completed, the LED turns white.

**Disinfect K-FORCE Grip prior to use**, using antiseptic alcohol wipes.

In order to turn on K-FORCE Grip, press the push-button. You'll notice a green flashing LED. Your Grip is on! Your Grip will turn off after 3 minutes of inactivity.



Figure 5, K-FORCE grip port and LEDs

Once the device is turned on, select the Grip Device Exercise in the Home Page.

**While your Grip is connecting, don't load the device, don't step on the device, don't move the device, and don't put force on the device.**



## K-FORCE Muscle Controller

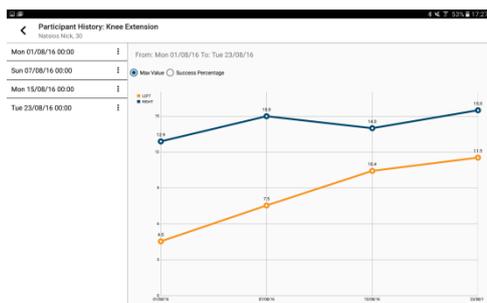
K-FORCE Muscle Controller is perfect for a rapid evaluation of your patient's or athlete's muscular force. It is an –user-friendly portable muscular dynamometer. You can use it in your cabinet, clinic or even at your patient's home.

The device has an ergonomic shape with adjustable straps for a better hand fixation, and a cushion that can be removed and disinfected. K-FORCE Muscle Controller can also be fixed on hard surfaces such as a wall in order to use it as a contact pressure dynamometer. The device has a contact surface of 100 x 140 mm and can record contact forces up to 70 kg.



### Benefits

K-FORCE Muscle Controller is equipped with electronic force transducers and gives real-time acoustic and optic bio-feedback on your Smartphone or Tablet through the K-FORCE app. Through its Target oriented exercises, you can set objectives to your patient and encourage him to surpass himself. The app saves your participant's results. You can then follow-up his progress on Maximal Force, Endurance and muscular Symmetry on the app's database.



The device is small, lightweight and mobile. Therefore, it can be used also by ambulant professionals, such as physiotherapists and personal trainers.

### Technical Features

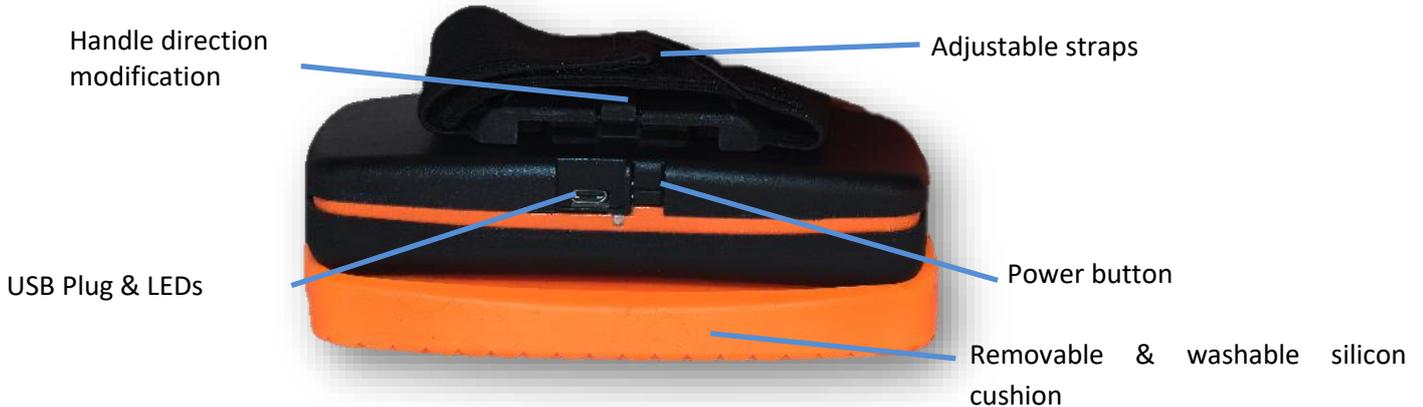
<b>Minimum Requirements</b>	<b>Android 5.0+ and iOS 10.0+, Bluetooth Low Energy</b>
<b>Weight</b>	300 grams
<b>Dimensions</b>	60 x 100 x 140 mm
<b>Wireless Range</b>	Up to 20 meters
<b>Max Force</b>	90 kgs
<b>Battery</b>	1h30m of autonomy, 15 min for charging
<b>Power supply</b>	Li-Po Battery 150 mAh
<b>Radiated output Power</b>	Max. 5 mW
<b>Wireless transmission Frequency</b>	2.4 GHz band (Bluetooth Low Energy)

## Get Started

Before using it for the first time, you must install the cushion provided. The cushion can be very easily installed thanks to the Velcro material on both surfaces.

Next, configure the strap length according to your hand and place it over it. Otherwise, you can attach K-FORCE muscle controller on any flat surface for special exercising.

The cushion can be removed for cleaning. Use antiseptic alcohol wipes to **disinfect the cushion prior to use**.



On one part of the device you'll notice a micro-USB port used for charging, 1 LED for the charging state, 1 LED for the working state and one push-button.

To change the grip, bring the plastic tab toward you and slide the plastic piece out of the muscle controller. Drag it in the desired direction until the tab comes back to lock.

You can charge your Muscle Controller device through the micro-USB cable provided or with any other regular micro-USB charging cable. You may have a charger already; many new mobile phones and other mobile products come with an IEC 60950 compliant USB charger.

While charging, a blue LED is on. Once the charging is completed, the LED turns white.

To turn on K-FORCE Muscle Controller, press the push-button. You'll notice a green flashing LED. Your Muscle Controller is on! Your Muscle Controller will turn off after 3 minutes of inactivity.

Once the device is turned on, select the Muscle Controller Device in the Home Page. Select the body part you want to exercise and then select one of the proposed exercises.

**While your device is connecting, don't load the device, don't step on the device, don't move the device and don't put force on the device.**

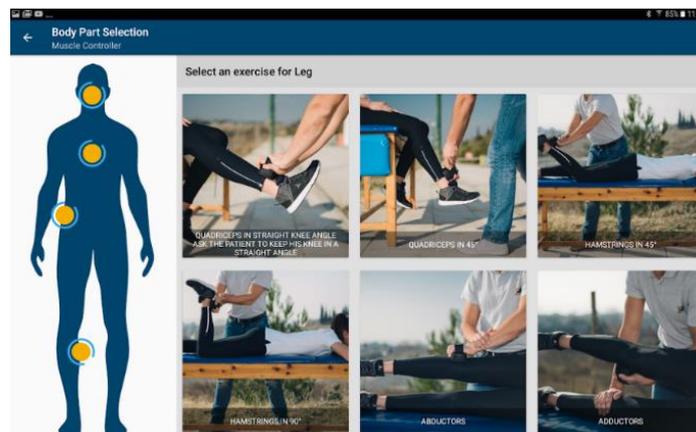


Figure 6, Leg Exercises with K-FORCE muscle Controller



## K-FORCE Plates

K-FORCE Plates is an innovative product for rehabilitating balance and assessing lower limb muscular symmetry and strength. K-FORCE Plates is easy to install and to connect.

The K-FORCE app's protocols evaluate important balance and lower limb strength factors such as: left and right lower limb loading, balance proprioception, center of pressure control and behavior, max. strength and symmetry. Each plate has a surface of 320 x 160 mm and can record forces up to 300 kg (600 kg for the pair).



### Benefits

K-FORCE Plates is equipped with electronic force transducers and transmits real-time acoustic and optic bio-feedback on your smartphone or tablet through the K-FORCE app. This product exploits the new technologies of Internet of Things and Rehab-Gaming.

This device turns rehabilitation into a game, while giving important metrics to the therapist or trainer.

It also measures the progress in lower limb strength as well as symmetry through its intuitive app.

K-FORCE Plates are lightweight and can be used also by ambulant professionals, such as physiotherapists and personal trainers.



### Technical Features

<b>Minimum requirements</b>	<b>Android 5.0+ and iOS 10.0+, Bluetooth Low Energy</b>
<b>Weight</b>	1600 grams
<b>Dimensions</b>	Each Plate 30 x 320 x 160 mm
<b>Wireless range</b>	Up to 20 meters
<b>Max force</b>	300 kgs for each plate, 600 kgs for both
<b>Battery</b>	5 hours autonomy, 45 min charge
<b>Power supply</b>	Li-Po battery 600 mAh
<b>Radiated output power</b>	Max. 5 mW
<b>Wireless transmission Frequency</b>	2.4 GHz band (Bluetooth Low Energy)

## Installation

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Install K-FORCE Plates according to the exercise programmed.

### On the floor

This configuration is ideal for balance exercises. You can lay K-FORCE Plates on the ground either one touching the other or at distance. This increases the difficulty level of balance exercises, as you can work on your lower limbs muscular force on the same time.



Figure 7, Configuration of K-FORCE plates on the floor

### On vertical surface

K-FORCE Plates can be attached on a vertical surface in order to measure upper limbs muscular strength, or even on weight lifting machinery such as a Leg Press Machine. To this end, use Velcro sticks with at least 200 cm<sup>2</sup> surface. **For your safety, please make sure that K-FORCE plates are well fixed on vertical surfaces before using.**

## Get started

Each Plate is fitted with a micro-USB port used for charging (1 LED for the charging state, 1 LED for the working state and one on-off button).

You can charge K-FORCE Plates devices using the micro-USB cable provided or with any other regular micro-USB charging cable. You can also use any IEC 60950 compliant USB charger provided with mobile phones and mobile devices.

While charging, a blue LED is on. Once the charging is completed, the LED turns white.

**Disinfect K-FORCE Plates prior to use**, using antiseptic alcohol wipes.

To switch on K-FORCE Plates, press the on-off button on each force Plate. You'll notice a green flashing LED. Your K-FORCE Plates are on! Your K-FORCE Plates will switch off after 3 minutes of inactivity.



Figure 8, K-FORCE Plates USB port and LEDs

Once the device is switched on, go to home page and select Plates Device.

## Balance exercises

Check regularly our website for updates and download new features and exercises.

Select one of the exercises available on your K-FORCE app.

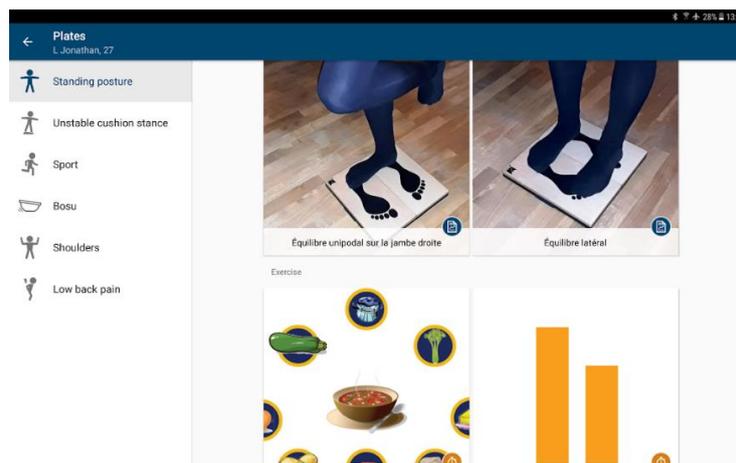


Figure 9: examples of exercises with the K-FORCE app

**Warning:** While your device is connecting, don't load the device, don't step on the device, don't move the device, don't put force on the device.

## Postural assessment



Use this exercise to measure the weight distribution between both legs. Data obtained include trajectory and amplitude of the pressure center, and average weight distribution.

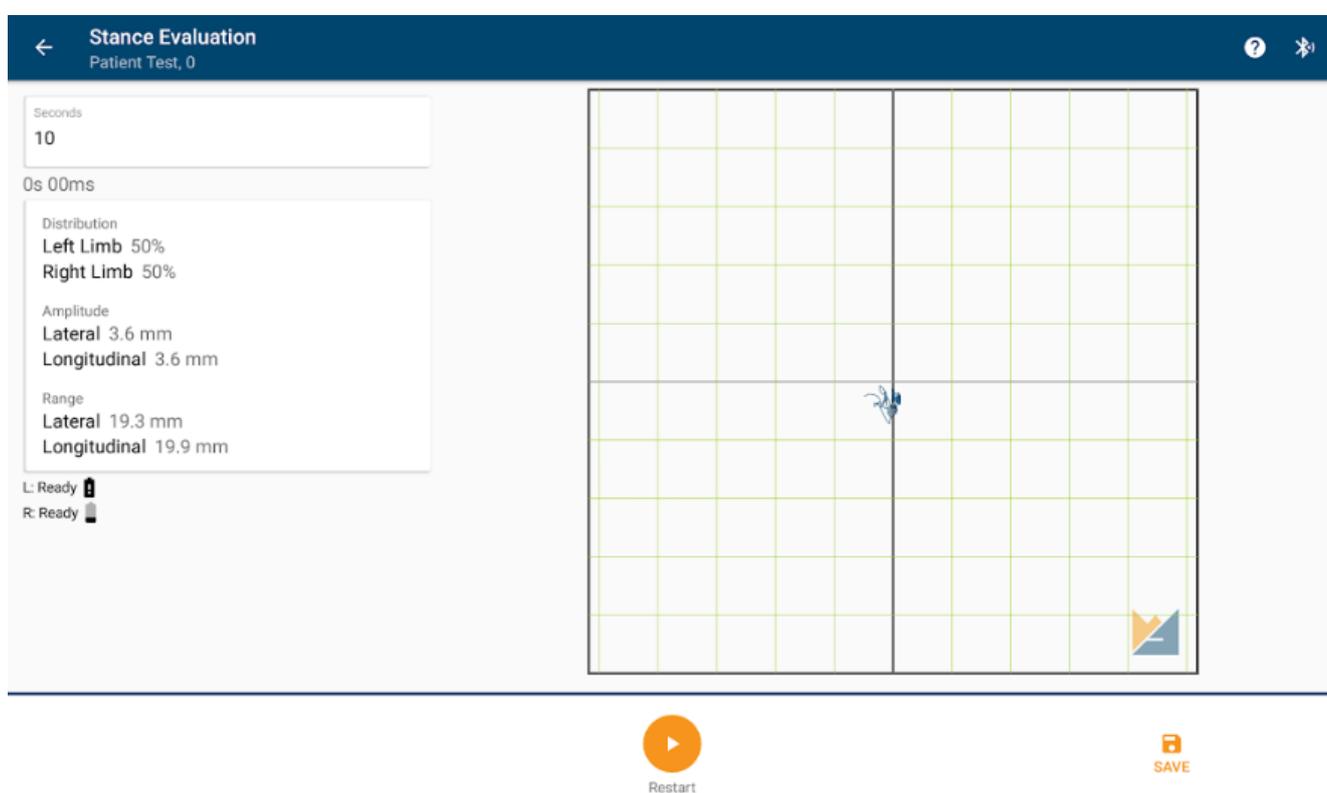
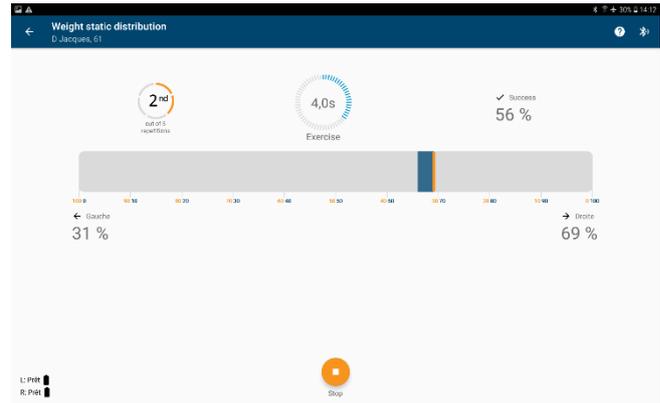
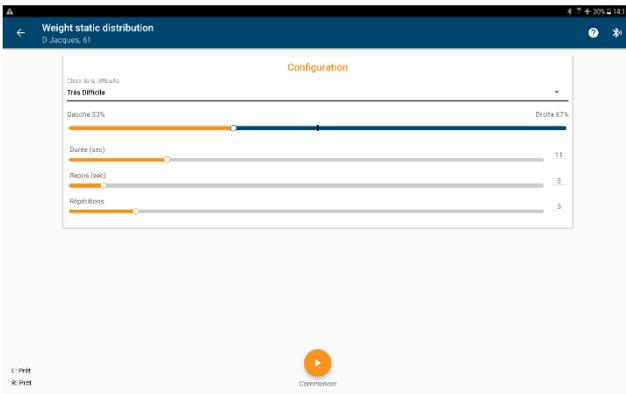


Figure 10 : Results of postural assessment

## Static balance exercise



In this exercise of **weight distribution**, you can set some parameters, such as:

- level of difficulty
- distribution target to be achieved
- work time
- pause time
- number of repetitions

K-FORCE Plates also monitor the execution of the exercise (waiting for input, exercise stopped, break time, working time).

This exercise is useful to work on the load of each limb as well as on weight distribution. The device provides real-time acoustic and optic bio-feedback.



**While your device is connecting, don't load the device, don't step on the device, don't move the device, don't put force on the device.**

The blue strip represents the target to reach, and the orange cursor shows the real-time weight distribution and load applied on K-FORCE plates.

RÉPÉTITION	POINTS	TALIX DE RÉUSSITE
1st	47	95%
2nd	50	100%
3rd	50	100%

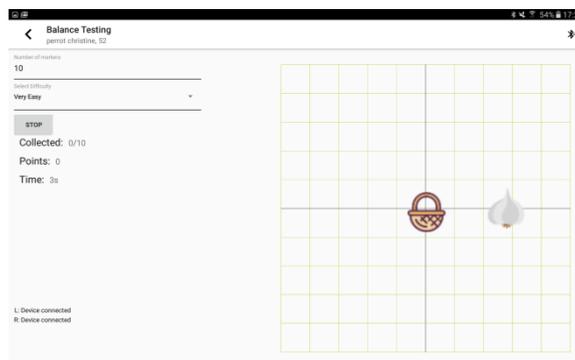
You can monitor the evolution of performance after each exercise, the score obtained measured against the target set. Monitor the progress of the exercise using buttons "Reset" and "Go/Stop".

Check the results in the database.

## Dynamic Balance Exercise

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You can exercise dynamic balance in motion aided by bio-feedback.



**While your device is connecting, don't load the device, don't step on the device, don't move the device, don't put force on the device.**

You can select various scenarios to make the rehabilitation and exercising as playful as possible. Example: collect all the necessary ingredients to produce a vegetable soup. You'll obtain important metrics, such as exercise success, trajectory of the center of pressure, exercise timing, problematic balance zones.

## K-FORCE Bubble



K-FORCE Bubble is an innovative and versatile tool transducing pressure variation into a force measurement. It can be combined with inflatable cushions.

### Benefits



K-FORCE Bubble is equipped with electronic force transducers and gives you real-time biofeedback on your tablet or smartphone through the K-FORCE app. Therefore, you can set strength objectives to your patient and motivate him/her through the process of rehabilitation. You can follow your patient's progress through the K-FORCE interactive database.

K-FORCE Bubble allows working with tools deformable to the touch.

The device is small, lightweight and mobile. It can be used by ambulant professionals, such as physiotherapists and personal trainers.

### Technical Features

<b>Minimum requirements</b>	<b>Android 5.0+ and iOS 10.0+, Bluetooth Low Energy</b>
<b>Weight</b>	100 grams
<b>Dimensions</b>	80 x 55 x 25 mm
<b>Wireless range</b>	Up to 20 meters
<b>Maximum force</b>	90 Kg
<b>Sensitivity</b>	500 grams
<b>Accuracy</b>	500 grams
<b>Battery</b>	1:30 for 15 min charging
<b>Wireless transmission frequency</b>	2.4 GHz band (Bluetooth Low Energy)



## Get Started

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The device is equipped with a micro-USB port used for charging, 1 LED for the charging state, 1 LED for the working state and one push-button.

You can charge your Bubble device through the micro-USB cable provided or with any other regular micro-USB charging cable. You may have a charger already; many new mobile phones and other mobile products come with an IEC 60950 compliant USB charger.

While charging, a blue LED is on. Once the charging is completed, the LED turns white.

In order to turn on K-FORCE Bubble, press the push-button. You'll notice a green flashing LED. Your Bubble is on! Your Bubble will turn off after 3 minutes of inactivity.

Once the device is paired, you can put the needle in the valve of your inflatable tool and begin and begin to work.



**Figure 10, K-FORCE Bubble: Needle, micro-USB port and LEDs, inflatable tool**

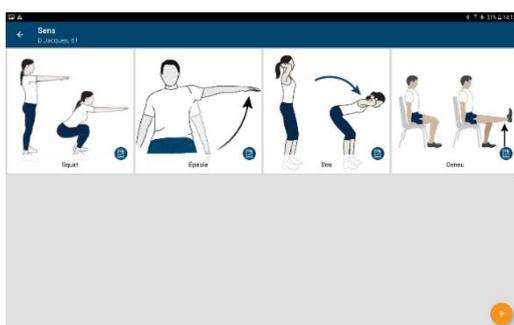
Once the device is paired, you can begin to assess or set up a personalize rehab workout for your patient.

## K-FORCE Sens



K-FORCE Sens is an innovative device to assess the range of motion and to compare the symmetry between the injured limb's amplitude and the healthy limb. You can work with the K-FORCE Sens to assess the amplitude of each body's joint. The device works with Bluetooth technology with automatic pairing and is very easy to use.

### Benefits



Developed for assessment and rehabilitation, the Sens measures the joint's amplitude. The customizable parameters allow for rehabilitation programmes adapted to the patient's specific needs. Real time biofeedback motivates your patient to be more proactive of his rehabilitation.

### Technical Features

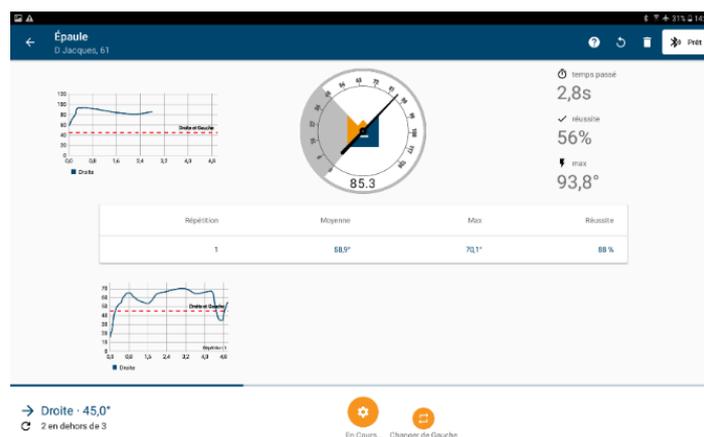
<b>Minimum requirements</b>	<b>Android 5.0+ and iOS 10.0+, Bluetooth Low Energy</b>
<b>Weight</b>	40 grams
<b>Dimensions</b>	35 x 25 x 10 mm
<b>Wireless range</b>	Up to 10 meters
<b>Sensitivity</b>	5°
<b>Accuracy</b>	3°
<b>Battery</b>	1:00 for 15 min charging
<b>Wireless transmission frequency</b>	2.4 GHz band (Bluetooth Low Energy)



## Get Started

Choose the joint's amplitude and the movement you want to assess (rotation, flexion, extension, abduction, adduction). Attach the K-FORCE Sens on the limb of your patient. Ask him to stay in a neutral position to initialize the reference position. When you click on START your patient can start moving. The range of motion is measured in degrees. Ensure the patient is not using compensation movement.

To assess a joint's amplitude of a movement not available in the list, create your own assessment programme.



If you want make your patient work on the range of motion control you can customize the parameters such as maximal amplitude you want your patient reach.



## Troubleshooting

If any difficulties occur while using the system, visit KINVENT's website.

Check if your problem appears in the following list.

### Problems with the device

Problem	Actions
<b>The device isn't turning on</b>	<ol style="list-style-type: none"> <li>1. Recharge the battery</li> <li>2. If you suspect failure, contact your dealer or check our website for the replacement scheme</li> <li>3. For the K-FORCE Sens, connect it to the charger during the pairing</li> </ol>
<b>While not training, the device keeps the Green LED on</b>	<ol style="list-style-type: none"> <li>1. Restart the app and wait for 3 minutes for the device to shut down</li> </ol>
<b>The device isn't shutting down after 3 minutes of inactivity</b>	<ol style="list-style-type: none"> <li>1. Check our website for the shutting down procedure</li> <li>2. For the K-FORCE Sens, connect another device if the Sens isn't shutting down</li> </ol>

### Connectivity problems

Problem	Actions
<b>The device is turned on but isn't connecting.</b>	<ol style="list-style-type: none"> <li>1. Make sure your smartphone or tablet is compatible with K-FORCE.</li> <li>2. Check if Bluetooth and positioning are enabled, on your tablet or smartphone</li> <li>3. Check if the sensors are properly charged</li> <li>4. Restart the app</li> <li>5. Restart your tablet or smartphone</li> <li>6. Make sure your device is close to your tablet or smartphone</li> </ol>

## Legal information

### Warranty Terms

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This warranty shall not apply if the product

- is used with non-compatible products
- is used for commercial purposes such as rental
- is modified
- is damaged by accident, misuse, wear or any other cause not related to defectiveness of materials or fabrication.

A valid proof of purchase in the form of a bill of sale or receipt must be provided to obtain warranty services.

KINVENT excludes all liability for any data loss, loss of profit or any other loss or damage suffered by the end customer.

### Warranty terms

#### European Union

K-FORCE is warranted for its electronics and all mechanical components for a period of 2 years from the purchase date when used in accordance with the present manual. KINVENT can proceed to replace a K-FORCE device covered by the warranty free of charge. The warranty is invalid in case of modification or replacement of any component in a K-FORCE device, made without the KINVENT's authorization or the authorized K-FORCE dealer's authorization. KINVENT doesn't guarantee any therapeutic result when using K-FORCE. You must contact KINVENT or your authorized dealer to receive a return authorization and shipping instructions.

#### Other countries

K-FORCE is warranted for its electronics and all mechanical components for a period of 1 year from the purchase date when used in accordance with the present user's manual. KINVENT can proceed to replace a K-FORCE device covered by the warranty free of charge. The warranty is invalid in case of modification or replacement of any component in a K-FORCE device, made without the authorization of KINVENT or the authorized K-FORCE dealer. KINVENT doesn't guarantee any therapeutic result when using K-FORCE. You must contact KINVENT or your authorized dealer to receive a return authorization and shipping instructions.

### Service policy

You acknowledge that any time your K-FORCE product is serviced, this service may change your settings or cause loss of data or of some functionalities. Back up your data (stored on your tablet or smartphone) in a regular basis.

### Warning

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K-FORCE is a medical device. K-FORCE must be used according to the present User's Manual and its recommendations. Failure to do so may result in personal injury.

Users are responsible for their exercise manner and the manner in which they use K-FORCE. Movement promoted by K-FORCE can be associated with risks of injury.

K-FORCE manual

Consult in a regular basis KINVENT's website for available information on contraindications, risks or side effects concerning K-FORCE. K-FORCE doesn't offer treatment advice or any medical diagnosis.

In case you are currently under medication, injured or in delicate medical condition, consult a qualified professional prior to the use of any K-FORCE product.

KINVENT doesn't guarantee any therapeutic result when using K-FORCE.

## FCC information

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K-FORCE is a product using certain radio-frequencies during functioning. All K-FORCE devices are 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. If the equipment does cause any harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try one or more of the following: increase the distance between the equipment and the receive or consult your dealer.

## Contact Information

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For any information or Assistance, please contact:



Web: [www.k-invent.com](http://www.k-invent.com)

E-mail: [assistance@k-invent.com](mailto:assistance@k-invent.com)

Address: 17 bis rue de Verdun 91400 Orsay, FRANCE

**WE MEASURE PROGRESS**