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Introduction of ZUBU robot

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CATALOG

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1、 Brief introduction

Foot walking robot is a new kind of foot walking rehabilitation equipment, which is dedicated to helping the disabled people walk and recover better. Its core technology comes from the Guinness world record "Walker one" robot, which has walked farthest. After three years of continuous iteration, it has developed the latest foot walking robot.

Core functionsProvide: support for users, let them walk with the help of robots, collect and analyze user's walking data through integrated external sensor equipment, conduct gait analysis, and provide users with quantifiable scientific data;

Upgrading experience: Using the inherent advantages of foot walking robot, combining with motion control technology to adapt to the user's walking habits, can better simulate the walking effect, achieve the consistency of gait, and improve the user's comfort;

Technological superiority: Based on the control technology of high-efficiency walking robot, the R & D team has broken through many key core technologies, 14 invention patents, 2 PCT patents to be updated, 14 invention patents and 2 PCT patents through continuous iterative updating for up to three years and 26 versions.

2、 Basic parameters



Product size parameters	
Product size	640*545*840 (900) MM
Overall weight	KG
Rear tyre	4inch
Handrail height	Two gears: 840 [900] mm
Whole machine bearing capacity	100KG
Texture of material	Aluminum alloy, carbon fiber
Product performance parameters	
Endurance distance	20Km
Speed range	0~3Km/h
Motor parameters	150W hollow cup motor
Battery capacity	2.5Ah
Charging time	2-3 hours (H)
Whole machine warranty	1year

3、 Function introduction

The overall design of foot robot is simple but not simple. It is made of ergonomic design and lightweight materials, which is the perfect combination of technology and application. By protecting the user in the frame, the safety of the user is guaranteed to a great extent. The user only needs to support the foot robot to walk normally, and the foot robot will automatically adapt to the user's gait movement, which is simple and easy to learn, and the elderly friends can learn quickly.

The central display interface adopts arc design, highlighting the affinity and sense of technology. The gait analysis system is integrated internally, which can collect and analyze user's data, provide gait analysis report and evaluate user's walking condition in daily use.

Carbon legs are lightweight and secure. The unique honeycomb foot cover is a unique patent design, which has better shock absorption and antiskid effect than chuangtong foot cover.

The original "rickshaw" walking mode realizes the sense of walking gait by swinging legs; meanwhile, the frame type supporting wheel can well protect users. Compared with the realization of medical exoskeleton, foot walking robot has the absolute advantages of simple structure, high cost performance and easy to learn.

The robot level parts are selected for the foot robot, including industrial level DC hollow cup motor [high life, large torque and other features], high-precision attitude sensor and multi wire photoelectric encoder, etc.; at the same time, robot control algorithm is added to realize intelligent control.

Functions:


- Intelligent walking aid: automatically adapt to the user's walking speed

- Rehabilitation exercise: set up daily exercise plan according to different goals
- Gait evaluation: evaluate gait by collecting and analyzing user data
- Quick opening and folding: detachable frame support wheel and handrail for convenient storage
- Voice reminders: voice reminders in different scenes
- Fault prompt: Broadcast robot fault in time to ensure safety

4、 How to use

4.1 unpacking and installation

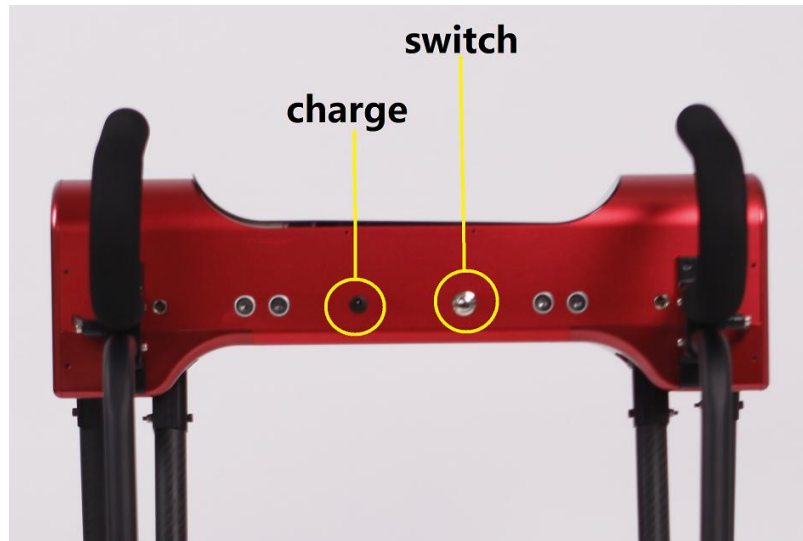
Please refer to the unpacking video download link for unpacking installation method: <http://www.zuburobot.com/szsysm>

- Click this button , download the V1 (fixed armrest) installation video.

- Click this button , Download V2 Version (adjustable armrest version) installation video.

4.2 usage

- Location of switch and charging port:



- Power on: press the power on / off button briefly to power on.
- Shut down: press the on / off button twice to shut down.
- Operation steps:

1) Hold the handrail tightly with both hands, and the body is about 30cm away from the back of the robot side.



2) Push the robot horizontally with both hands, and the robot starts to step forward. The step speed matches the user's hand pushing speed. The faster the push, the faster the step.



3) After waiting for the robot leg to land, the user moves forward one step, and the current operation is completed. Users need to gradually master the movement rhythm and follow the robot to move forward. Slowly cooperate with the robot to achieve the best use of the step valve.



4) The video can be found at <http://www.zuburobot.com/szsysm> and click

⬆️ 使用方法视频

this button Download.

