

手部伸展復康治療器

Hand Stretching Rehabilitation Therapy Device



CATALOG

Ziglite Smart Health Care Products Co., Ltd.
節亮康護產品有限公司
Your Smart Health Care Solution Partners

SBA-2



Ziglite Smart Health Care Products Co., Ltd.
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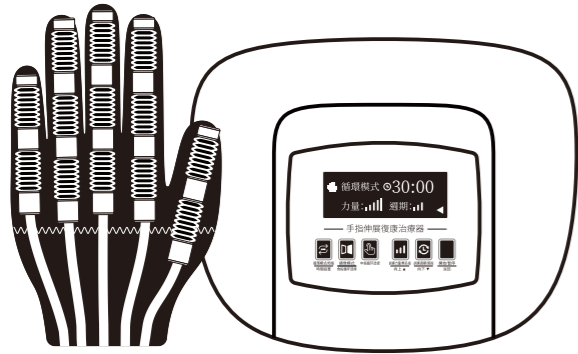
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Company Profile

公司簡介

ABOUT US 關於我們

Ziglite Smart Health Care Products Co., Ltd. Incorporated in 2018, we work with our partners to bring their products to the local market. Mainly engaged in the management of health care products, the main customers are hospitals and clinics, homes for the elderly and home patients.

We are committed to the development of excellent health care products, dedicated to the needs of a wide range of different customers, get the best care in the family treatment process, and greatly improve the effect of rehabilitation. Get the best care during the family treatment process and greatly improve the healing effect. We will provide quality products with stable quality and stable performance for customers.

We specialize in a wide range of products including: anti-virus and air freshening, incontinence care, mobility aids, decompression supplies, etc.

公司於2018年成立，我們與合作夥伴一起把他們的產品推向本地市場。以經營康護用品為主，主要客戶為醫院及診所，安老院及家居病人等。

我們致力於發展卓越的康護醫療產品，竭誠照顧廣大不同客戶的需要，在家庭治療過程中得到最好的護理，大大提高康復治療效果。在家庭治療過程中得到最好的護理，大大提高康復治療效果。務求為客戶提供品質優越及性能穩定的醫療產品。

我們專營的產品種類繁多，包括：抗病毒及空氣清新，失禁護理，助行用品，減壓用品等。



手部伸展復康治療器

Hand Stretching Rehabilitation Therapy Device



手指選擇
Select finger



循環訓練
Cycle training



鏡像訓練
Mirror training



ZIGLITE[®]
HEALTHCARE
SBA-2

循環訓練+鏡像訓練+手指選擇訓練
Cycle Training + Mirror Training + finger Selection Training

- 手部伸展復康治療器在患者整個恢復週期均可參與，通過對患者患肢的訓練，刺激患者神經、肌肉，協助患肢恢復功能，提高患者生活質量。
- 適用於受傷後患者的手指關節恢復或由腦損傷、腦卒中、腦癱、脊髓損傷、骨科術後、多發性硬化等引起的肢體障礙後遺症患者在家庭及機構中的康復訓練。
- The hand stretching rehabilitation device can participate in the patient's entire recovery cycle. Through training the patient's affected limb, it stimulates the patient's nerves and muscles, assists the affected limb to restore function, and improves the patient's quality of life.
- It is suitable for the rehabilitation of the finger joints of patients after injury or the rehabilitation training of patients with sequelae of limb disorders caused by brain injury, stroke, cerebral palsy, spinal cord injury, orthopedic surgery, multiple sclerosis, etc. at home and in institutions.

產品簡介



聯驅多關節手套

- 人體運動學原理
- 柔性屈伸
- 拉伸/握拳仰角度大
- 增強關節活動度及肌力恢復, 促使主動屈伸運動出現

康復治療器主機

- 循環訓練、鏡像訓練、手指選擇訓練
- 5檔力量可調
- 默認30分鐘訓練倒計時, 最高可設置60分鐘訓練

鏡像聯動手套

- 鏡像聯動訓練
- 健側手帶動患側手
- 實時壓力傳感

產品特點

模擬肌肉驅動方式

驅動模塊與人的解剖關節位置嵌合, 活動自由度與手關節運動自由度壹致, 模擬人體運動學機理, 驅動模塊可根據患者運動狀態動態調整, 避免對患者造成二次傷害。

循環訓練緩解肌張力

循環訓練模式採用全自動化設計, 有助於促進患手肌力恢復, 關節活動度增加, 促使主動屈伸運動出現。

鏡像訓練增強控制力

鏡像訓練可將健側手動作模式映射到患側手, 通過鏡像運動刺激鏡像神經元, 以促進腦功能及手功能的重塑及恢復。

選項重複訓練

選項重複訓練可根據患者實際需求針對單個或多個手指進行康復治療, 更具有針對性。



產品應用場景



康復機構

養老機構



患者居家訓練



科技驅動

鏡像訓練與被動訓練相結合, 促進康復

選項訓練

循環訓練

鏡像訓練

液晶顯示

根據大腦重建原理, 將任務導向練習和手部康復機器人訓練結合, 幫助患者協同完成有控制性的運動功能訓練, 通過重複的強化訓練, 從而促進大腦中樞神經系統的功能重建。

了解產品

選項訓練



選項重複訓練功能使訓練治療更科學和針對性

康復治療器主機



5級力量選擇,幫您快速找到您需要的訓練強度,智能按鍵可隨意設定訓練時間週期

循環訓練



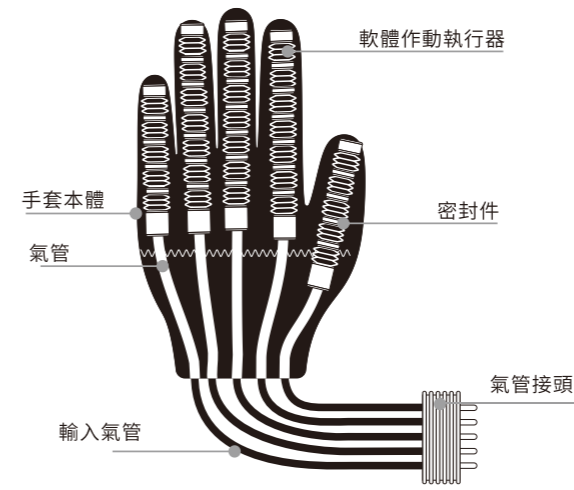
採用全自動化設計,促進患手指屈伸肌力恢復,關節活動度新增

鏡像訓練



健側手帶動患側手,視覺刺激啟動鏡像神經元,促發腦部主動運動功能的出現,解決手部患者康復前期基礎康復困擾

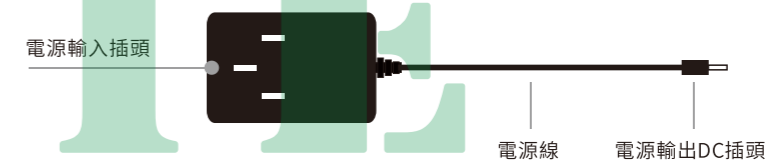
訓練手套



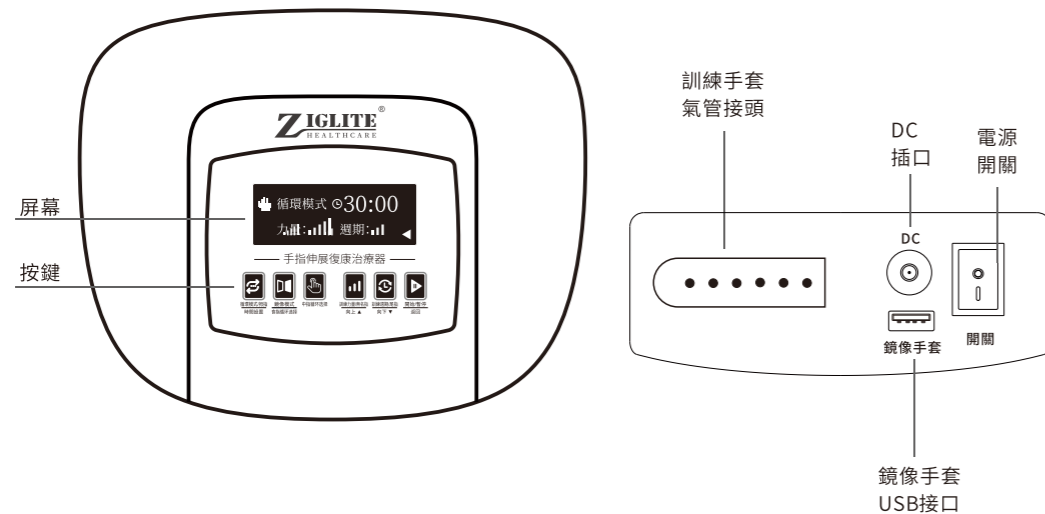
鏡像外控手套



電源適配器



訓練主機



治療器操作按鍵功能列表

編號	按鍵	功能說明
1		按“循環模式”按鍵可切換至循環模式,在該模式下再按一下進入手指動作訓練選擇介面。再長按“循環模式”鍵3秒後放開,可設定波浪式手指訓練及全部模式選擇。在手指動作訓練選擇模式下,可選擇/暫停拇指訓練。
2		按下“鏡像模式”按鍵切換鏡像模式;在手指動作訓練選擇模式下,可選擇/暫停食指訓練。
3		在手指動作訓練選擇模式下,按一下“中指循環選擇”可選擇/暫停中指訓練。
4		每次按1下“訓練力量”按鍵可設定訓練的強度,設定數值為:1、2、3、4、5,共5檔強度。在手指動作訓練模式下,可選擇/暫停無名指訓練。
5		每次按1下“訓練週期”按鍵可以設置一個抓握與伸展訓練週期時間,設定數值為:1、2、3、4、5,共5檔設定。在手指動作訓練模式下,可選擇/暫停無名指訓練。
6		每次按1下按鍵可在工作訓練模式中進行開始、暫停、返回等操作。

特殊功能設置

編號	功能	功能操作說明
1	循環訓練時間設置	在循環訓練模式主界面下，長按“⌚”鍵3秒進入時間設置模式，這時運動時間數位閃爍。“⏪”和“⏩”鍵可對訓練時間加減進行設定，分鐘設定分度值為5分鐘，訓練時間最高可到60分鐘。
2	鏡像模式力量設置	在鏡像模式下，每次按1下“📊”鍵可對訓練力度的加減設定，共5檔設置。
3	鏡像模式收縮設置	在鏡像模式下，每次按1下“🕒”鍵可對訓練收縮週期的加減設定，共5檔設置。

按鍵及顯示詳解

治療器操作按鍵及界面顯示



治療器操作界面顯示列表

編號	圖標	功能說明
1	⌚30:00	治療器訓練總時間，開機默認時間為30:00分鐘，最高可設置到60:00分鐘。訓練開始倒計時，歸零後治療器自動停止。
2	力量 📊	治療器訓練力度顯示，力量可設定數值為1,2,3,4,5檔力量。
3	週期 🕒	治療器訓練週期顯示，週期可設定數值為1,2,3,4,5檔。
4	收縮 📊	治療器鏡像訓練收縮顯示，收縮電機運行時間可設定數值為：1,2,3,4,5檔。
5	動作 🖐️	動作手指訓練的選擇和設定。可設置範圍：大拇指，食指，中指，無名指，尾指。

循環模式界面按鍵

循環/分指模式切換
拇指訓練選擇

- 1) 按1下按鍵進入選擇手指界面：對應手指按鍵訓練/暫停/停止某手指訓練。
- 2) 選擇手指界面長按該按鍵3秒後進入動作模式切換：①每根手指波浪式循環訓練/②全部手指共同循環訓練模式切換。
- 3) 主界面下長按3秒按鍵進入訓練時間設置。

開始/暫停
返回功能

按開始及暫停鍵可在工作訓練模式中進行開始、暫停、返回等操作。

鏡像模式
食指訓練選擇

- 1) 按1下按鍵切換鏡像模式。
- 2) 在選擇手指界面下，點擊可選/停止食指訓練運動。

週期時長設置
尾指訓練選擇

- 1) 按此按鍵可以設置一次抓握與伸展訓練週期時間，設定數值為：1~5，共5檔設定。
- 2) 在選擇手指界面下，點擊可選/停止尾指訓練。

中指訓練選擇

在選擇手指界面下，按一下“中指循環選擇”可選擇/停止中指訓練運動。

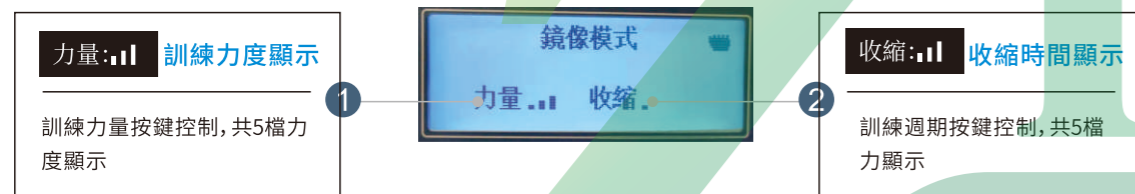
力量大小設置
無名指訓練選擇

- 1) 按“訓練力量”按鍵可設定訓練的力度，設定數值為：1、2、3、4、5，共5檔力度。
- 2) 在選擇手指界面下，點擊可選/停止無名指訓練。

》 循環模式界面顯示

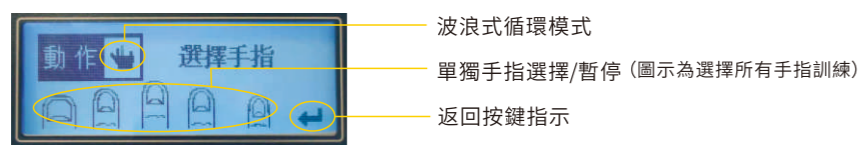


》 鏡像模式界面顯示

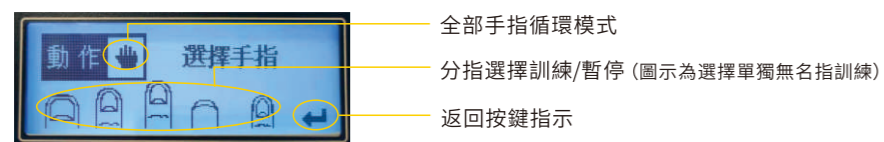


》 選擇手指界面

- 1** 每根手指波浪式循環訓練模式 (手指閃爍表示選中, 停止閃爍表示暫停訓練)



- 2** 全部手指循環訓練模式 (手指閃爍表示選中, 停止閃爍表示暫停訓練)



使用指南



如何使用手指伸展復康治療器?

1. 循環訓練

循環訓練模式採用全自動化設計，當患者沒有主動控制能力，建議先使用循環訓練，有助於促進患手指屈伸，肌力恢復，關節活動度增加，促使主動伸指運動出現。



默認循環訓練

<p>1</p> <p>1) 穿戴訓練手套 2) 開機後進入訓練主界面</p>		<p>3) 開機後按開始按鍵自動進入默認分指波浪循環模式，訓練時長30分鐘，週期力量均為第3檔</p>
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按需設置循環訓練

1 力量、週期、時間設置 (不設置時間4、5可略過)

<p>(1)</p>	<p>(2)</p>	<p>(3)</p>	<p>(4)</p>
<p>穿戴訓練手套 開機後進入訓練主界面</p>	<p>設置訓練力度 每次按1下設置檔位 共1~5檔</p>	<p>設置訓練週期 每次按1下設置檔位 共1~5檔</p>	<p>設置訓練時長 長按3秒進入設置 和 對應時間加減 每次點擊加減5分鐘</p>

(5) 設置完成後點擊 返回主界面

2 訓練手指選擇 (手指圖標閃爍為訓練狀態，靜止為停止狀態)

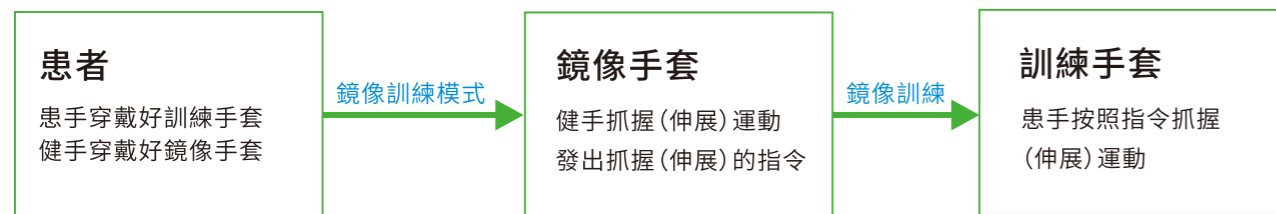
<p>(6)</p>	<p>拇指 食指 中指 無名指 尾指</p>
<p>訓練手指選擇</p> <p>訓練主界面下，單擊 進入選擇手指界面，選擇訓練/停止某手指訓練</p> <p>手指控制：每按一次對應選擇/停止切換 該模式下按鍵從左到右對應拇指、食指、中指、無名指和尾指控制</p>	

3 訓練循環模式選擇

<p>(7)</p> <p>動作 手指波浪式循環 動作 手指共同循環</p>	<p>(8)</p> <p>界面返回 開始訓練</p>
<p>訓練手指選擇</p> <p>訓練主界面下，長按3秒進入動作模式切換： ①每根手指波浪式循環訓練 ②全部手指共同循環訓練模式</p> <p>開始循環訓練</p> <p>設置完成後單擊 返回主界面，再次單擊 開始訓練</p>	

2. 鏡像訓練

鏡像模式是指患者通過健手運動帶動患手同步運動的模式，通過互動視覺反饋可以刺激患者大腦的不同區域產生運動、感覺意識，啟動鏡像神經元，促進患者運動功能重建與腦功能重塑。



<p>(1)</p> <p>訓練手套 鏡像手套</p>	<p>(2)</p>	<p>(3)</p>	<p>(4)</p>
<p>穿戴手套, 開機</p> <p>患手穿戴好訓練手套 健手穿戴好鏡像手套 開機後進入訓練主界面</p>	<p>進入鏡像模式</p> <p>訓練主界面下 按1下 按鍵 進入鏡像模式訓練</p>	<p>設置訓練力度 設置收縮時長</p> <p>每次按1下 設置 訓練力度共1~5檔</p> <p>每次按1下 設置 收縮時長共1~5檔</p>	<p>開始鏡像訓練</p> <p>健手抓握(伸展)運動發出指令, 患手按照指令進行抓握(伸展) 運動</p> <p>注:需抓握按下(鬆開)鏡像手套內控制 按鍵,才能啟動訓練手套抓握(鬆 開)動作</p>
<p>對應手指控制訓練:</p> <p>鏡像手套中控制按鍵為5個,每個按鍵分別對應控制訓練手套的5個手指,健手通過控制鏡像手套中的按鍵向訓練手套對應的手指發出運動指令,訓練手套相應手指收到指令做出抓握(伸展)運動</p>			

技術參數

產品規格

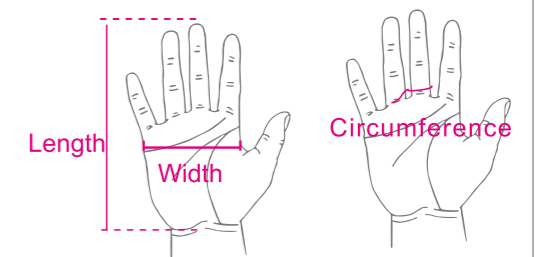
產品名稱	手指伸展復康治療器	進液防護程度	IPX0
產品型號	SBA-2	力度設定	1-5檔
安全類型	I 型	時間設定	5-60分鐘
電 源	AC100-240V, 50/60Hz	運行噪音	≤60分貝
主機尺寸	251*204*111mm	訓練模式	選擇訓練 循環訓練 鏡像訓練

手套尺碼錶

尺碼	S	M	L	XL	XXL
手長(mm)	140-160	160-180	165-190	190-220	220-230
手寬(mm)	60-80	70-90	80-100	100-120	120-130
中指圍(mm)	45-50	50-60	60-70	70-90	90-100

*可根據使用者實際手部量測情況選擇對應型號如兩個及以上測量值處於臨界點,建議選偏大一碼。

*女士一般選擇S/M,男士一般選擇L/XL,手大者XXL。



使用注意事項

- 產品使用過程中如發生皮膚過敏等不適，請停止使用，並諮詢醫生。
- 有疾病或傷口或因此正在接受治療的患者，或者有過既往病史的，請熟知以下內容後，諮詢醫生。
- 如手部有扭傷、創傷、情況不明的骨傷、嚴重骨質酥鬆人群、骨折未經處理或處理後需要制動的人群，在未經專業人員確定可用的情況下，請勿擅自使用本產品。



禁忌症

- 有胸部靜脈瘤等重度血行障礙和患有血柱症的患者
- 患側手上有潰瘍、傷口、膿果、出血、燙傷、炎症等的患者

其他使用注意事項

- 使用過程中體驗感或身體感到異常時，應停止使用並就醫後在醫生的指導下使用
- 使用過程中出現發紅、瘙癢、斑疹等，應停止使用並就醫
- 請勿與其他裝備同時使用或塗抹藥物的狀態下使用
- 請勿給無行為意識的人或幼童獨自使用
- 請勿將本產品用於使用目的之外的其他用途

電源适配器的使用

- 電源适配器必須有患者監護人插拔使用
- 治療器使用完畢後，請將電源适配器與220V電源斷電
- 請勿使用非本機配備的電源适配器

使用前

- 1) 在穿戴訓練手套前，請試運行治療器主機1分鐘以確認各部分功能正常
- 2) 強制性收縮痙攣患者，使用治療器前，需先做按摩活動後再使用
- 3) 注：訓練前請確認需要訓練的手部非肌張力過高（II級以上），方可進行訓練

使用中

運行過程中發生以下情況，請立即停止使用，並斷開電源！

- 1) 治療器主機發出異常聲音
- 2) 治療器主機表面溫度過高
- 3) 治療器主機進水
- 4) 使用者感到疼痛腫脹或者其他不適症狀
- 5) 訓練過程中如有痙攣發生應立即停止使用

使用時間

- 1) 建議根據自身實際情況，選擇合適的訓練方式
- 2) 每次使用時間不宜過長，訓練後第二天手部如果有酸痛感，則需減少每天訓練次數和時間
- 3) 建議每天使用2-4次，每次20分鐘左右，備次使用間隔至少45分鐘以上
- 4) 使用時若需要更換或延長使用時間請諮詢專業醫護人員

安全注意事項

【警告】

不遵守以下安全說明，可能會導致火災、電擊、傷亡等嚴重事故！

- 請勿自行拆卸或修理、改造設備的各部件避免引起治療器出現異常。
- 請勿在熱水器、微波爐、煮食設備或高壓容器內部或附近存放各部件，避免因過熱而引起火災。
- 不可以滅菌或高壓滅菌。
- 請勿在出現報警提示時繼續使用。
- 適用於手部循環和鏡像運動康復訓練，請勿用於其他目的，避免引起事故發生。
- 請勿將各部件存放在過熱或過冷的地方，避免引起事故發生。
- 產品的有效期為5年，產品在使用壽命末期的處理應符合當地法律法規要求。
- 請保持電源接頭乾燥無水，請不要用濕手去插拔電源，避免引起觸電或受傷。

存放運輸

- 在運輸過程中，請將治療器固定在相對穩定的地方，防止治療器的磕碰和損壞。
- 請防止液體或異物進入治療器，避免損傷內部電子部件，引起故障。
- 請勿在消毒氣體或活性氣體的環境中存放，避免損傷內部電子部件，引起故障。
- 請勿長時間放置在日光或紫外線等強光照射場所，避免引起外殼變色。
- 請勿把本產品放置在嬰幼兒可觸及的地方。
- 保存產品時，請勿在產品上放置其他物品。
- 請勿讓產品觸及釘子、針頭等鋒利物品。
- 請勿將手套強力折疊，避免損傷軟體作動執行器，引起故障。
- 請勿在潮濕環境或強磁場干擾等不適合電子設備工作環境中存放治療器。

工作環境

- 1) 環境溫度：10°C~35°C
- 2) 相對濕度：30%~75%，不包含冷凝
- 3) 大氣壓力範圍：700hpa~1060hpa
- 4) 電源：AC100-240V, 50/60Hz (治療器主機電源DC12V)

後期處理

- 請勿將治療器置入火中銷毀。
- 請勿將治療器作為普通的生活垃圾處理，終末期按照醫療器械標準要求處理，勿隨意丟棄。

Product Introduction



Training Terminal

- Principles of human kinematics
- Flexible flexion and extension
- Stretching / fist clenching: large tilt angle
- Enhance joint mobility and muscle strength recovery, and promote active flexion and extension movement

Rehabilitation Therapeutic Device Host

- cycle training, mirror training are optional and finger selection training
- 5 levels of power adjustable
- The default is a 30-minute training countdown, and a maximum of 60 minutes of training can be set

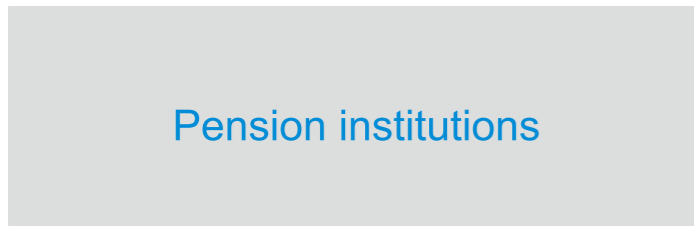
Mirror Training Gloves

- Mirror linkage training
- The healthy hand drives the affected hand
- Real-time pressure sensing

Application Scenario



Rehabilitation institutions



Pension institutions



Patient home training

Product Features

Simulate Muscle Drive

The driving module is fitted with the human joint position, and the degree of freedom of movement is the same as the degree of freedom of hand joint movement. It simulates the human kinematics mechanism. The driving module can be dynamically adjusted according to the patient's movement state to avoid secondary injury to the patient.

Circulation Training To Relieve Muscle Tension

The circulation training mode adopts fully automatic design, which helps to promote the recovery of hand muscle strength, increase joint range of motion and promote the emergence of active flexion and extension movement.

Mirror Training Enhances Control

Mirror training can map the movement pattern of the healthy hand to the affected hand, and stimulate mirror neurons through mirror movement to promote the remodeling and recovery of brain function and hand function.

Finger Selection Training

Finger selection training can carry out rehabilitation treatment for single or multiple fingers according to the actual needs of patients, which is more targeted.



Technology Driven

Mirror training and passive training are combined to promote rehabilitation

Finger Selection Training

Cycle Training

Mirror Training

LCD Display

According to the principle of brain reconstruction, task-oriented training is combined with hand rehabilitation robot training, Help patients complete controlled motor function training, Through repeated intensive training, it can promote the functional reconstruction of the brain central nervous system.

Product Introduction

Training Gloves



- Using the principle of software robot technology, flexible drive, avoid causing secondary injuries such as strains to the patient.

Rehabilitation Treatment Device Host



- 5 levels of strength selection, to help you quickly find the training intensity you need.
- The smart button can set the training time period at will.

Cycle Training



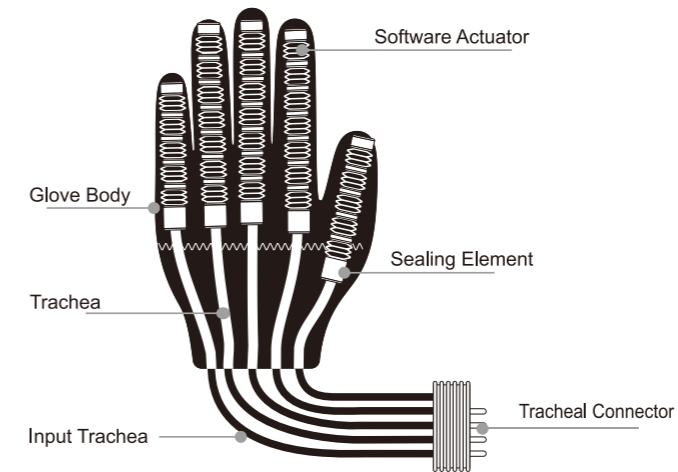
- Fully automatic design is adopted to promote the flexion and extension of affected fingers, muscle strength recovered and joint range of motion increased.

Mirror Training

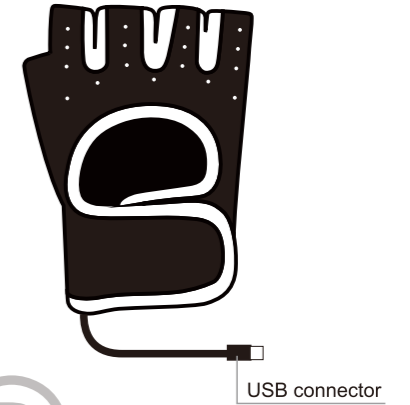


- The healthy hand moves the affected hand, visual stimulation activates mirror neurons, promotes the emergence of brain active motor function, and solves the basic rehabilitation problems of hand patients in the early stage of rehabilitation period at will.

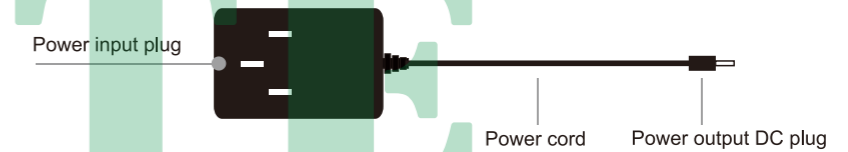
Training Gloves



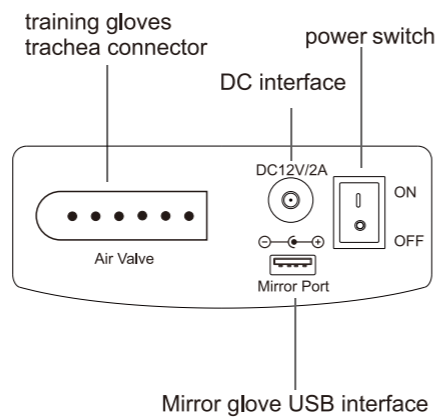
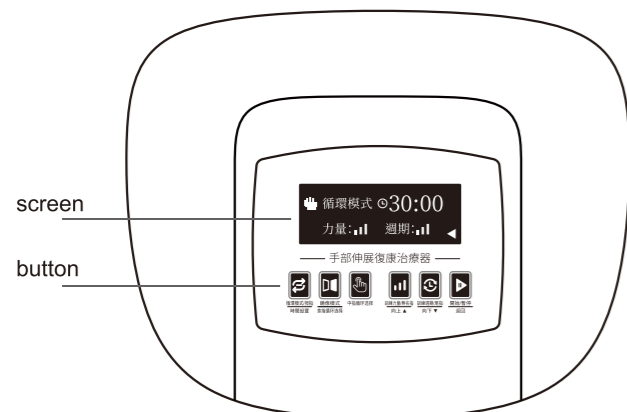
Mirror External Control Gloves



Power Adapter



Training Host



Function list of therapeutic device operation buttons

Number	Button	Function Description
1		Press the "Cycle Mode" button to switch to the cycle mode, in this mode, press again to enter the finger movement training selection interface. Long press the "Cycle Mode" button for 3 seconds and release it to set wave finger training and all mode selections. In the finger movement training selection mode, you can select / pause thumb training..
2		Press the "Mirror Mode" button to switch the mirror mode. In the finger movement training selection mode, you can select / pause the index finger training.
3		In finger movement training selection mode, click "middle finger cycle selection" to select / pause middle finger training.
4		Each time you press the "Training Strength" button once, you can set the strength of the training. The set values are: 1, 2, 3, 4, and 5, with a total of 5 strengths. In finger movement training mode, ring finger training can be selected / suspended.
5		Each time you press the "Training Cycle" button once, you can set a grip and stretch training cycle time. The set values are: 1, 2, 3, 4, and 5, with a total of 5 settings. In finger movement training mode, you can select / pause ring finger training.
6		Each time you press the button once, you can start, pause, and return in the work training mode.

Special function settings

Number	Function	Functional operation description
1	Circuit training Time setting	In the main interface of the cycling training mode, long press the "⌚" button for 3 seconds to enter the time setting mode, and the exercise time digits will flash. The "📊" and "⌚" button can be used to set the addition and subtraction of the training time. The minute setting division value is 5 minutes, and the training time can be up to 60 minutes.
2	Mirror mode Strength setting	In the mirror image mode, each press of the "📊" button can set the addition or subtraction of the training intensity. There are 5 settings in total.
3	Mirror mode Shrink settings	In the mirror mode, press the "⌚" button once each time to set the length of the training contraction cycle, a total of 5 gears.

Buttons And Screen Icons In De

Operation buttons and interface display



Therapeutic device operation interface display list

Number	Icon	Function description
1	⌚30:00	The training time of the therapeutic device is 30:00 minutes by default and can be set to 60:00 minutes at most. The training begins to count down, and the therapy device automatically stops after returning to zero.
2	力量:📊	It is a display of the training strength of the treatment device, and the strength can be set to 1, 2, 3, 4, and 5 levels of strength.
3	週期:📊	The training cycle of the therapeutic device is displayed, and the cycle can be set to 1, 2, 3, 4 and 5.
4	收縮:📊	The image training contraction display of the therapeutic device shows that the operation time of the contraction motor can be set as: 1, 2, 3, 4 and 5.
5	動作👉	Selection and setting of finger exercises. Settable range: thumb, index finger, middle finger, ring finger, and tail finger.

Detailed button function

The diagram shows the device interface with numbered callouts explaining button functions:

- 1) Cycle / split finger mode switching Thumb training options:**
 - Press the button once to enter the finger selection interface: corresponding to the finger button to select/stop a finger training.
 - In the finger selection interface, press and hold the button for 3s to enter the action mode switch: ①Wave cycle training for each finger/②Cycle training mode switch for all fingers.
 - In the main interface, press and hold the button for 3 seconds to enter the training time setting, up to 60 minutes.
- 2) Mirror mode Index finger training:**
 - Press the button once to switch the mirroring mode.
 - In the finger selection interface, click to select/stop the index finger training exercise.
- 3) Middle finger training options:**

In the finger selection interface, click "Middle finger cycle selection" to select/stop the middle finger training exercise.
- 4) Power setting Ring finger training options:**
 - Press the "Training Strength" button to set the strength of the training, the set values are: 1, 2, 3, 4, 5, a total of 5 levels of strength.
 - In the finger selection interface, click Select/Stop ring finger training.
- 5) Cycle time setting Tail finger training options:**
 - Press this button to set the cycle time of one grasping and stretching training. The setting value is 1 ~ 5, a total of 5 gears.
 - In the finger selection interface, click optional / stop tail finger training.
- 6) Start/pause Return:**

Start, pause, return and other operations can be performed in the work training mode.

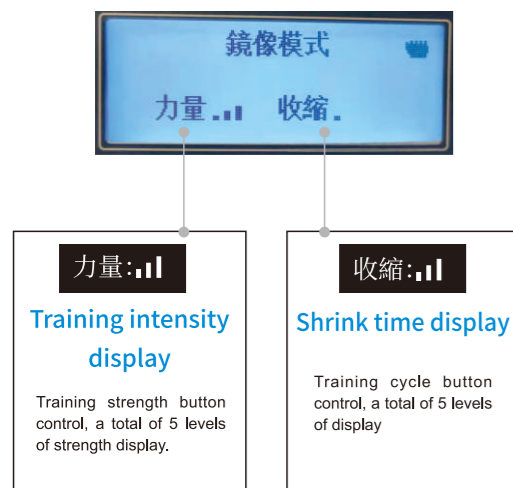
» Interface display details

Cycle mode display



Other interface display

● Mirror mode display



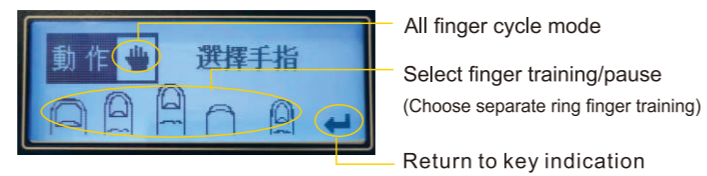
● Select finger display

(Flashing means selected, stop flashing means to pause training)

1 Each finger wave type circuit training mode



2 All finger loop training modes



User Guide



How to use the hand stretch rehabilitation therapy device?

1. Cycle training

The circulation training mode adopts a fully automatic design. When the patient has no active control ability, it is recommended to use circulation training first, which will help to promote the recovery of flexor and extensor muscle strength of the affected hand, increase the joint's range of motion, and promote the emergence of active finger extension movement.

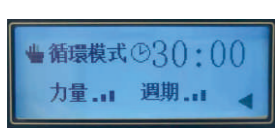





» Default circuit training

<p>1</p>  	<p>1) Wear Training Gloves 2) After startup, enter the main training interface</p>	<p>2</p>  <p>3) After powering on, press the start button to enter the default training: split-finger wave cycle mode, training time is 30 minutes, cycle strength is the third gear.</p>
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» Set up circuit training as needed

1 Power, period, time setting (4 and 5 can be skipped if you don't need to set the time)



<p>(1)</p> 	<p>(2)</p> 	<p>(3)</p> 	<p>(4)</p> 
<p>Wear training gloves Enter the main training interface after booting.</p>	<p>Set training intensity Press 1 time to set the gear, 1 ~ 5 gears in total.</p>	<p>Set training cycle Press 1 time to set the gear, 1 ~ 5 gears in total.</p>	<p>Set training duration Press and hold for 3 sec to enter the setting, and set time plus and minus, each click changes 5 min.</p>

(5) After setting, click to return to the main interface.

2 Training finger selection (Finger icon flashes for training state, static state is for stop state)

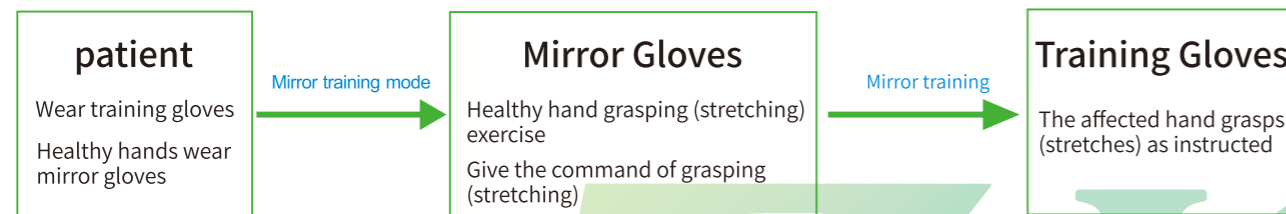
<p>(6)</p> 	
<p>Training finger selection In the main training interface, click to enter the finger selection interface, select training/stop a finger training.</p>	<p>Finger control: select/stop switching each time you press In this mode, the buttons from left to right correspond to thumb, index finger, middle finger, ring finger and tail finger control.</p>

3 Training loop mode selection

<p>(7)</p>  <p>動作 Finger wave loop 動作 Finger circulation</p>	<p>(8)</p>  <p>Return Start training</p>
<p>Training finger selection In the main training interface, long press for 3 sec to enter the action mode switch: ① Wave type circuit training for each finger ② Common circulation training mode for all fingers</p>	<p>Start circuit training After setting, click to return to the main interface. Click again to start training.</p>

2. Mirror Training

Mirror mode refers to the mode that the patient drives the patient's hand to move synchronously through healthy hand movement. Through interactive visual feedback, it can stimulate different regions of the patient's brain to produce motor and sensory consciousness, start mirror neurons, and promote the reconstruction of motor function and brain function.



<p>(1)</p> <p>Training glove Mirror glove</p>	<p>(2)</p>	<p>(3)</p>	<p>(4)</p>
<p>Put on gloves and turn on</p> <p>Wear training gloves on the affected hands, Wear mirror gloves for healthy hands , After startup, enter the main training interface.</p>	<p>Enter mirror mode</p> <p>In the main training interface, press the button once to enter the mirror training mode.</p>	<p>Set training intensity Set shrink duration</p> <p>Press once each time to set, and the training intensity is 1 ~ 5 gears in total.</p> <p>Press once each time to set, and the contraction duration is 1 ~ 5 gears in total.</p>	<p>Start mirror training</p> <p>The healthy hand grasps (extends) the movement to issue the instruction, and the affected hand grasps (extends) the movement according to the instruction.</p> <p>Note: you need to grasp and press (release) the control button in the mirror glove to start the grip (release) action of the training glove.</p>
<p>Control the corresponding finger training:</p> <p>There are 5 control keys in the mirror glove, and each key corresponds to 5 fingers of the training glove. The healthy hand sends movement instructions to the corresponding fingers of the training gloves by controlling the buttons in the mirror gloves, and the corresponding fingers of the training gloves receive instructions to make grasping (extension) movement</p>			

Technical Parameters

Product specification

Product Name	Hand Stretching Rehabilitation Therapy Device	Liquid inlet protection degree	IPX0
Product Model	SBA-2	Strength setting	1-5 files
Security Type	Type I	Time setting	5-60 minutes
Power Supply	AC100-240V, 50/60Hz	Operating noise	≤60dB
Host Size	251*204*111mm	Training mode	Cycle training, Mirror training

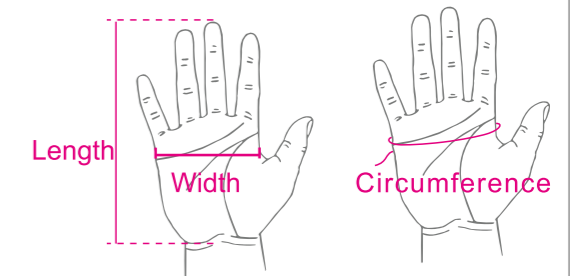
Glove size chart

Size	S	M	L	XL	XXL
Hand length (mm)	140-160	160-180	165-190	190-220	220-230
Hand width (mm)	60-80	70-90	80-100	100-120	120-130
Middle finger circumference (mm)	45-50	50-60	60-70	70-90	90-100

* The corresponding model can be selected according to the user's actual hand measurement situation.

If two or more measured values are at the critical point, it is recommended to choose one yard larger.

* Women generally choose s/m, men generally choose l/xl, and the larger hand is XXL.



! Safety Precautions

[Warning]

Failure to follow the following safety instructions may lead to serious accidents such as fire, electric shock and casualties!

- Do not disassemble, repair or modify the components of the equipment by yourself to avoid causing abnormalities of the therapeutic device.
- Do not store components inside or near the water heater, microwave oven, cooking equipment or high-pressure container to avoid fire caused by overheating.
- Do not sterilize or autoclave.
- Do not continue to use when there is an alarm prompt.
- It is suitable for hand circulation and mirror motion rehabilitation training. Do not use it for other purposes to avoid accidents.
- Do not store all parts in an overheated or supercooled place to avoid accidents.
- Please keep the power connector dry without water. Please do not plug and unplug the power with wet hands to avoid electric shock or injury.

I Storage and transportation

- During transportation, please fix the therapeutic device in a relatively stable place to prevent collision and damage of the therapeutic device.
- Please prevent liquid or foreign matters from entering the therapeutic device and avoid damaging internal electronic components and causing faults.
- Do not store in the environment of disinfectant gas or active gas to avoid damaging internal electronic components and causing faults.
- Do not place it in strong light irradiation places such as sunlight or ultraviolet for a long time to avoid discoloration of the shell.
- Do not place this product in a place accessible to infants and young children.
- When saving the product, do not place other items on the product.
- Do not let the product touch nails, needles and other sharp objects.
- Do not fold the gloves forcefully to avoid damaging the software actuator and causing failure.
- Do not store the therapeutic device in a humid environment or strong magnetic field interference, which is not suitable for the working environment of electronic equipment.

I Working environment

- Ambient temperature: 10 °C ~ 35% °C
- Relative humidity: 30% ~ 75%, excluding condensation
- Atmospheric pressure range: 700hPa ~ 1060hpa
- Power supply: AC100-240V, 50 / 60Hz (therapeutic device host power supply DC12V)

I Post processing

- Do not destroy the therapeutic device in the fire.
- Do not treat the therapeutic device as ordinary domestic waste. At the end, it shall be treated according to the requirements of medical device standards. Do not discard it at will.

Safety Precaution Include

- In case of skin allergy and other discomfort during the use of the product, please stop using and consult a doctor.
- For patients with diseases or wounds or being treated for them, or with previous medical history, please consult a doctor after being familiar with the following contents.
- If there is sprain, trauma, bone injury or fracture of unknown condition on the hand, people who have not been treated or need braking after treatment should not use this product without professional confirmation.



⊞ Contraindication

- Patients with severe blood flow disorders such as thoracic venous aneurysm and hemocolumn disease.
- Patients with ulcer, wound, purulent fruit, bleeding, scald, inflammation, etc. on the affected hand.

⊞ Other Precautions

- If you experience an abnormality during use or your body feels abnormal, you should stop using it and use it under the guidance of a doctor after consulting a doctor.
- Redness, itching, rash, etc. appear during use, stop use and seek medical attention.
- Do not use with other equipment at the same time or use it while applying medicine.
- Do not use it alone by unconscious people or young children.
- Do not use this product for purposes other than the purpose of use.

Before Use

- 1) Before wearing training gloves, please try to run the therapeutic device host for 1 minute to confirm that all parts function normally.
- 2) For patients with mandatory systolic spasm, massage before using the therapeutic device.
- 3) Note: before training, please confirm that the non muscle tension of the hand to be trained is too high (above grade II).

In Use

If the following conditions occur during operation, please stop using it immediately and disconnect the power supply!

- 1) Abnormal sound from the host
- 2) The surface temperature of the host is too high
- 3) The host accidentally enters water
- 4) The user feels pain, swelling or other discomfort
- 5) If spasm occurs during training, stop using it immediately

Usage Time

- 1) It is suggested to select appropriate training methods according to their own actual situation
- 2) The time of each use should not be too long. If the hand feels sore the next day after training, it is necessary to reduce the number and time of daily training
- 3) It is recommended to use 2-4 times a day for about 20 minutes each time, with an interval of at least 45 minutes
- 4) If you need to change or extend the use time, please consult professional medical personnel

⊞ Use Of Power Adapter

- The power adapter must be plugged in and out by the patient's supervisor.
- After using the therapeutic device, please cut off the power adapter and 220V power supply.
- Do not use a power adapter that is not provided with this machine.