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> [Veanvoky](#) /

> Veanvoky Rehabilitation Robot Glove User Manual (Model: B0CW5RBYSH)

## Veanvoky B0CW5RBYSH

# Veanvoky Rehabilitation Robot Glove User Manual

Model: B0CW5RBYSH

Brand: Veanvoky

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the Veanvoky Rehabilitation Robot Glove. This device is designed to assist in hand and finger rehabilitation for individuals experiencing conditions such as cerebral palsy, stroke-related hand dysfunction, stiff fingers, finger cramps, and arthritis. Its purpose is to support muscle recovery, prevent atrophy, and improve joint mobility.



Figure 1: Overview of the Veankovy Rehabilitation Robot Glove system, including the main robotic glove, control unit, and mirror therapy glove.

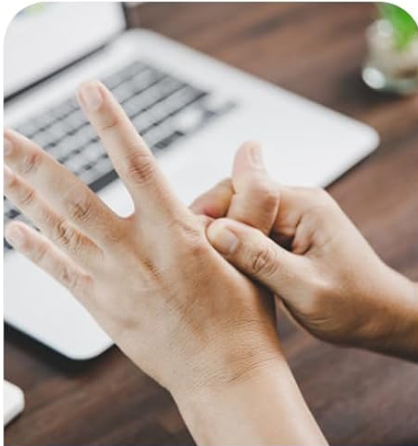
## 1.1 Indications for Use

The Veankovy Rehabilitation Robot Glove is indicated for individuals experiencing:

- Cerebral palsy affecting hand function.
- Hand dysfunction following a stroke (hemiplegia).
- Stiff fingers or limited finger mobility.
- Finger cramps.
- Arthritis affecting hand and finger joints.

The device aims to prevent hand muscle atrophy, reduce spasms, and mitigate finger joint deformation.

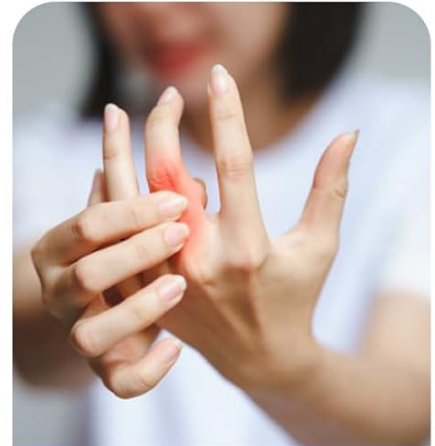
# Indicated for the Following Symptoms



Cerebral palsy



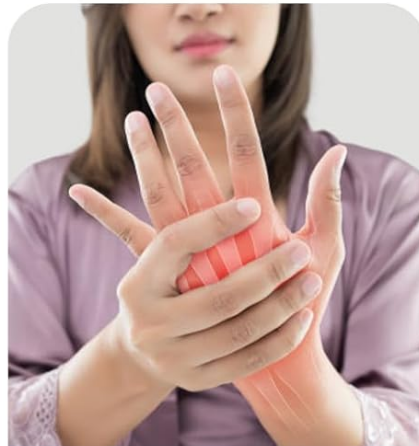
Stroke hand



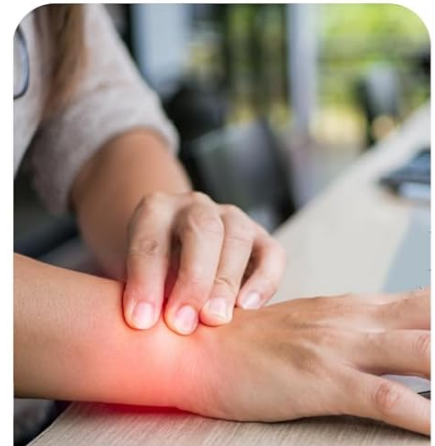
Stiff fingers



Hand dysfunction



Finger Cramps



Arthritis

Figure 2: Visual representation of conditions for which the rehabilitation glove is indicated.

## 2. IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in injury or damage to the device.

- Consult with a healthcare professional before beginning any rehabilitation program, especially if you have pre-existing medical conditions.
- Do not use the device if you have open wounds, skin infections, or severe swelling on your hand or arm.
- Discontinue use immediately if you experience pain, discomfort, or any adverse reactions.
- Keep the device away from water and extreme temperatures.
- This device is not intended to diagnose, treat, cure, or prevent any disease or health condition.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Rehabilitation Robot Glove (M, Right Hand)
- Control Unit
- Mirror Therapy Glove
- Power Adapter/Charging Cable
- User Manual (this document)
- Massage Glove (Optional)

## 4. PRODUCT OVERVIEW

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### 4.1 Components

The Veankoky Rehabilitation Robot Glove system consists of the following main components:

1. **Rehabilitation Glove:** The main glove with pneumatic finger actuators for assisted movement.
2. **Control Unit:** Features an LCD touch screen and control buttons for selecting modes, intensity, and speed.
3. **Mirror Therapy Glove:** A non-robotic glove worn on the healthy hand to facilitate mirror training.
4. **Massage Glove (Optional):** A separate glove for pneumatic massage.

### 4.2 Control Unit Functions



Figure 3: The control unit with its LCD screen and function buttons.

- **LCD Touch Screen:** Displays current mode, intensity, speed, and time.
- **FUNC (Function) Button:** Cycles through available training modes.
- **HEAT (Heating) Button:** Activates or deactivates the heating function.
- **INT (Intensity) Button:** Adjusts the strength level of the glove's movement (9 levels).
- **SPD (Speed) Button:** Adjusts the speed of the glove's movement (9 levels).
- **Power Button:** Turns the device on/off and starts/pauses training.

## 5. SETUP AND PREPARATION

### 5.1 Charging the Device

Before first use, fully charge the control unit using the provided power adapter. Connect the charging cable to the control unit and a suitable power source. The charging indicator on the screen will show the charging status.

### 5.2 Selecting the Correct Size

Ensure you are using the correct size glove for optimal comfort and effectiveness. Refer to the size table below to measure your hand length and width.



Figure 4: Hand measurement guide and size chart.

#### Size Chart

Size	Hand Length	Hand Width
S	5.5-6.5 inch (14-16.5 cm)	2.75-3.15 inch (7-8 cm)
M	6.6-7.3 inch (16.6-18.5 cm)	3.15-3.75 inch (8-9.5 cm)
L	7.4-7.9 inch (18.6-20 cm)	3.55-4.15 inch (9-10.5 cm)
XL	8-8.6 inch (20.1-22 cm)	3.95-4.55 inch (10-11.5 cm)

### 5.3 Connecting the Gloves

Connect the rehabilitation glove (and mirror glove or massage glove, if applicable) to the corresponding sockets on the

control unit. Ensure connections are secure.



Figure 5: Connection steps for the rehabilitation glove and control unit.

## 6. OPERATING INSTRUCTIONS

The device offers multiple training modes to suit various rehabilitation needs. Always start with lower intensity and speed settings and gradually increase as tolerated.

### 6.1 Power On/Off

- Press and hold the Power button on the control unit to turn the device on or off.
- Press the Power button briefly to start or pause a training session.

### 6.2 Selecting Training Modes

Press the **FUNC** button to cycle through the 5 available workout modes:

1. **Automatic Training:** The glove performs pre-programmed flexion and extension movements for all fingers.
2. **Single Finger Training:** Allows for targeted training of individual fingers.
3. **Mirror Training:** The affected hand mimics the movements of the healthy hand.
4. **Massage:** Provides pneumatic massage to the hand.
5. **Heating:** Applies gentle heat to the hand.



Figure 6: Overview of the four primary functions of the rehabilitation system.

### 6.3 Adjusting Intensity and Speed

- Press the **INT** button to adjust the training strength (9 levels).
- Press the **SPD** button to adjust the training speed (9 levels).

### 6.4 Specific Training Modes Details

#### 6.4.1 Single Finger Training

Each finger on the rehabilitation glove corresponds to an individual air valve. To isolate specific fingers for training:

- Locate the white air valves on the back of the glove.
- Rotate a valve to the **horizontal position** to close the air supply to that finger, preventing its movement.
- Rotate a valve to the **vertical position** to open the air supply, allowing that finger to move.
- This allows for targeted flexion and extension movements of individual or selected fingers.



Figure 7: Adjusting air valves for specific finger training.

#### 6.4.2 Mirror Training

Mirror training utilizes the healthy hand to guide the movements of the affected hand. This method stimulates motor neurons in the brain, aiding in the restoration of voluntary movement.

- Wear the rehabilitation glove on the affected hand.
- Wear the mirror therapy glove on the healthy hand.
- Connect both gloves to the control unit.
- Select the "Mirror Training" mode.
- Perform grasping, flexion, and extension movements with your healthy hand. The robotic glove will mimic these movements on your affected hand.



Figure 8: Mirror training setup and concept.

### 6.4.3 Massage Mode

The massage mode uses pneumatic pressure to promote blood circulation and relax hand muscles.

- Connect the massage glove to the control unit.
- Select the "Massage" mode.
- Adjust intensity and duration as desired.



Figure 9: Pneumatic massage glove in action.

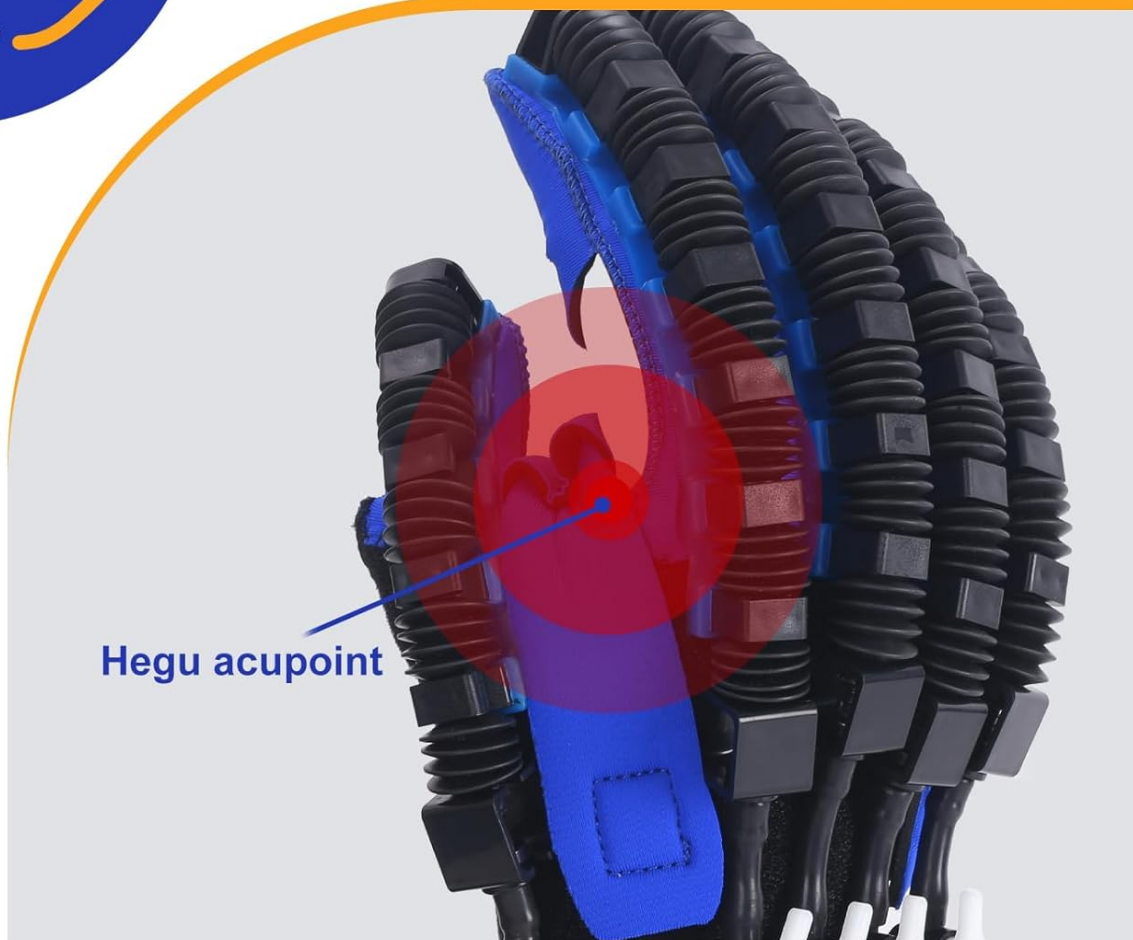
#### 6.4.4 Heating Mode

The heating function provides warm compresses to specific acupoints, such as the Hegu acupoint, to alleviate symptoms and promote comfort.

- Ensure the rehabilitation glove is worn.
- Press the **HEAT** button on the control unit to activate the heating function.
- Monitor the temperature to ensure comfort and avoid excessive heat.



## Hot Compresses on Acupoint



The training gloves come with a warm hand function for hot compress, providing hot massage to the Hegu acupoint to prevent symptoms such as hemiplegia caused by stroke and hemiplegia

Figure 10: Heating function targeting the Hegu acupoint.

## 7. MAINTENANCE AND STORAGE

### 7.1 Cleaning

- Disconnect the gloves from the control unit before cleaning.
- Wipe the gloves and control unit with a soft, damp cloth.
- Do not immerse any part of the device in water.
- Avoid using harsh chemicals or abrasive cleaners.
- Ensure all components are completely dry before storage or next use.

### 7.2 Storage

- Store the device in a cool, dry place away from direct sunlight.
- Keep the device in its original packaging or a protective case to prevent damage.

- Ensure the battery is partially charged if storing for extended periods to maintain battery health.

## 8. TROUBLESHOOTING

If you encounter any issues with your Veankoky Rehabilitation Robot Glove, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Power button not pressed correctly.	Charge the control unit; Press and hold the Power button for a few seconds.
Glove fingers not moving.	Glove not connected securely; Air valves closed; Incorrect mode selected.	Check all connections; Ensure air valves for desired fingers are open (vertical position); Select the appropriate training mode.
Screen is dim or unreadable.	Low battery; Environmental lighting conditions.	Charge the control unit; Use the device in adequately lit conditions.
Buttons are unresponsive.	Temporary software glitch; Low battery.	Restart the device; Ensure the device is charged.
Heating function not working.	Heating mode not activated; Connection issue.	Press the HEAT button; Check glove connection to the control unit.

If the problem persists after trying these solutions, please contact customer support.

## 9. SPECIFICATIONS

- **Brand:** Veankoky
- **Model:** B0CW5RBYSH
- **Size:** M (Right Hand)
- **Package Dimensions:** 9.17 x 6.81 x 5.31 inches
- **Weight:** 1.92 Pounds
- **Training Modes:** Automatic, Single Finger, Mirror, Massage, Heating
- **Intensity Levels:** 9
- **Speed Levels:** 9
- **Power Source:** Rechargeable Battery (details not specified, inferred)

## 10. WARRANTY AND SUPPORT

### 10.1 Legal Disclaimer

Statements regarding this product have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

### 10.2 Customer Support

For technical assistance, warranty claims, or further inquiries, please contact Veankoky customer support through your

purchase platform or the contact information provided with your product packaging.

