

# musicglove<sup>TM</sup>

## User's Guide



**Flint**

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Clinic

Rehabilitation Devices

# **Congratulations on receiving your MusicGlove Device!**

We are excited to partner with you on your road to recovery. For questions or concerns, please call or contact us at :

**(949) 667-0140**

**musicglove.com**

**support@flintrehabilitation.com**

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# 1 General

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## 1.1 Warnings

Signal words and images are used in this manual to bring attention to unsafe practices which could result in personal injury or property damage. See below for definitions of the signal words.



### CAUTION

Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage or minor injury or both.



### IMPORTANT

Indicates a hazardous situation that could result in damage to property if it is not avoided.



### INFORMATION

Gives useful tips, recommendations and information for efficient, trouble-free use.

## 1.2 Limited Warranty

**PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.**

This warranty is extended only to the original purchaser who purchases this product when new and unused from Flint Rehabilitation Devices, LLC (hereafter, Flint) or a dealer. This warranty is not extended to any other person or entity and is not transferable or assignable to any subsequent purchaser or owner. Coverage under this warranty will end upon any such subsequent sale or other transfer of title to any other person.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state. Flint warrants all components of this product when purchased new and unused to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase from Flint or a dealer, with a copy of the seller's invoice required for coverage under this warranty. If within such warranty periods any such product shall be proven to be defective, such product shall be repaired or replaced, at Flint's option. This warranty does not include any shipping charges incurred in replacement part installation or repair of any such product. Flint's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact the dealer from whom you purchased your Flint product. In the event you do not receive satisfactory warranty service, please write directly to Flint. Provide dealer's name, address, the product model number, date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number. Do not return products to our factory without our prior consent.

**Limitations and Exclusions:** The foregoing warranty shall not apply to serial numbered products if the serial number has been removed or defaced, products subjected to negligence, accident, improper operation, maintenance or storage, products modified without Flint's express written consent including, but not limited to, modification through the use of unauthorized parts or attachments; products damaged by reason of repairs made to any component without the specific consent of Flint, or to a product damaged by circumstances beyond Flint's control, and such evaluation will be solely determined by Flint. The warranty shall not apply to normal wear and tear or failure to adhere to the product instructions.

The foregoing express warranty is exclusive and in lieu of any other warranties whatsoever, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose, and the sole remedy for violations of any warranty whatsoever, shall be limited to repair or replacement of the defective product pursuant to the terms contained herein. The application of any implied warranty whatsoever shall not extend beyond the duration of the express warranty provided herein. Flint shall not be liable for any consequential or incidental damages whatsoever.

Some states do not allow the exclusion or limitation of incidental or consequential damage, or limitation of how long an implied warranty lasts, so the above exclusion and limitation may not be applicable. This warranty shall be extended to comply with state/provincial laws and requirements.

## 2 Safety

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### 2.1 General Guidelines



#### CAUTION

DO NOT use this product without first completely reading and understanding these instructions. If you are unable to understand the warnings, cautions, or instructions, contact a healthcare professional, dealer, or technical personnel before attempting to use this equipment.

DO NOT use this product if it has been damaged. Inspect all parts before use. In case of damage, contact Flint or your dealer for further instruction.



#### IMPORTANT

The information contained in this document is subject to change without notice.

## 2.2 Safety and Handling

The MusicGlove requires proper safety and handling procedures during use. It is important to read and understand these safety techniques before using the device.

### Cleaning Procedure



#### CAUTION

THE MUSICGLOVE™ FINGER COTS MUST BE CLEANED AFTER EVERY USE

To clean the MusicGlove Finger Cots:

1. Turn the cots inside out by pressing the tips of the cots down through the opening at their bottom.
2. Wipe the inside layer of the cots with the included alcohol pads another anti-microbial cleaning solution.
3. Dry the inside fabric and turn the cots right-side out.



## Contraindications

**DO NOT** use the MusicGlove in the following scenarios:

1. General systemic infection or local infection of skin on hand or wrist.
2. Open wounds on hand or wrist.
3. Inflammatory or allergic reaction to any component of the glove.



### CAUTION

DO NOT use the MusicGlove if you have a nickel allergy.

## Electrical Safety

The MusicGlove uses electrical signals to communicate information about grip posture to the accompanying software. Proper handling should be observed to minimize the risk of electrical shock.

1. **DO NOT** use any cable other than the cable supplied by Flint to plug the MusicGlove into a computer or laptop. If your cable is lost or damaged, please contact us at [support@flintrehabilitation.com](mailto:support@flintrehabilitation.com).

2. **DO NOT** plug the MusicGlove into an improper USB port such as a USB charging port. Allowable ports are:
  - a. A USB port on the accompanying Tablet Computer
  - b. A USB port on the accompanying Desktop Computer.
3. The MusicGlove **IS NOT** a water resistant device. Washing the device may lead to electrical failure
4. **DO NOT** use the MusicGlove if your hands are wet.



### CAUTION

DO NOT use the MusicGlove if any wires are exposed as a result of damage or defect. If any exposed wires are detected during use, unplug the MusicGlove from the computer or tablet immediately and contact Flint or your dealer for further instruction.

# 3 Getting to Know Your MusicGlove

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## 3.1 Purpose of the Device

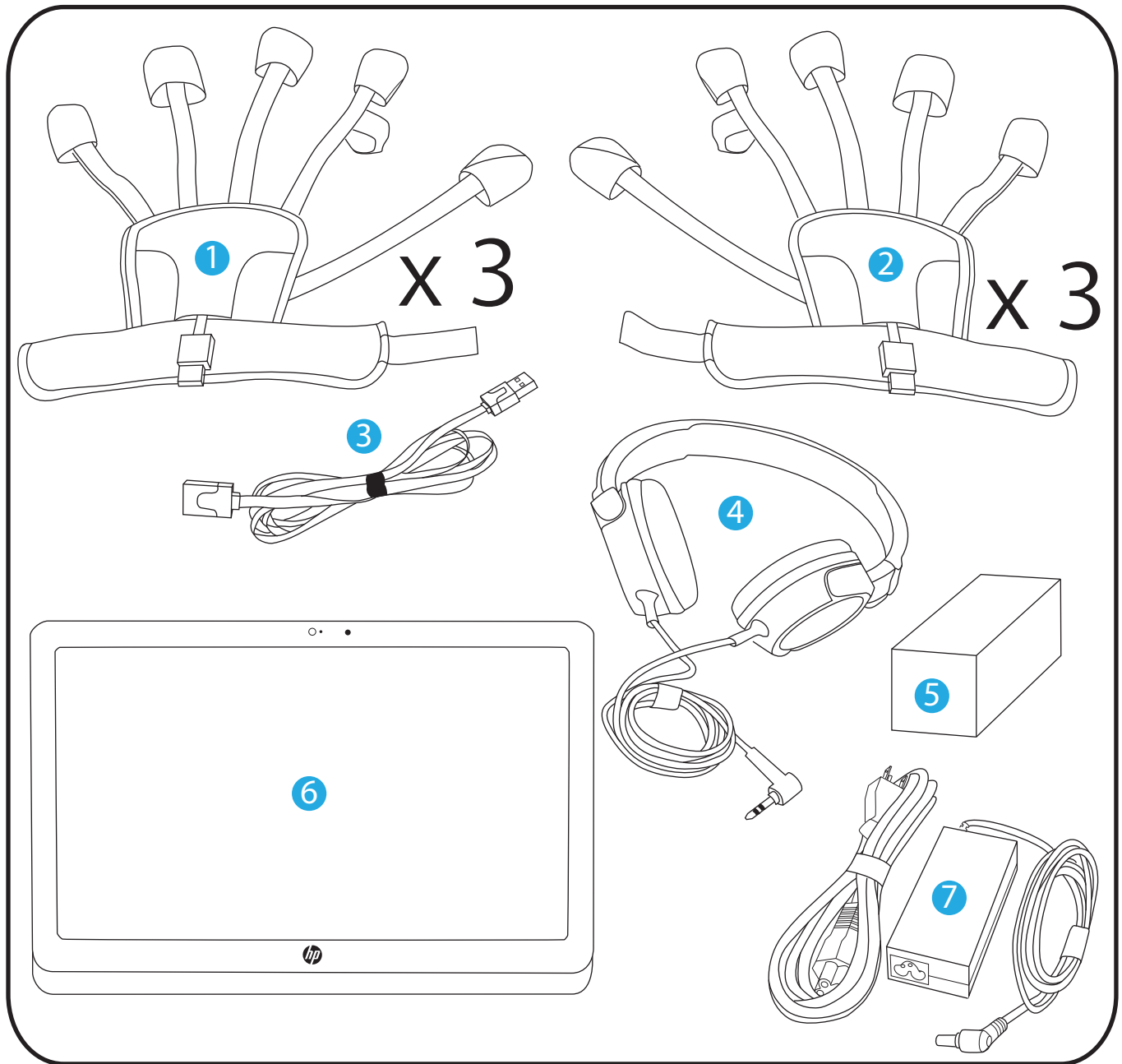
The MusicGlove is a sensorized glove designed to promote recovery of hand function after injury. The device is intended to treat individuals with mild to moderate impairment of the hand.

The MusicGlove works by encouraging a high number of repetitions of meaningful gripping movements through an engaging, music-based game. Users must make specific grips in time with the song they are listening to. The correct grip and timing are shown by scrolling notes on a screen.

The MusicGlove also records the percentage of notes that were “hit”, the total number of grips performed, and the total time played for each song. This information can be used to track progress over time. As your score goes up, so does your ability to use your hand!

## 3.2 Package Contents

Please verify that your package contains the following components:



- ① Left hand MusicGlove (S,M,L)
- ② Right hand MusicGlove (S,M,L)
- ③ MusicGlove cable
- ④ Headphones

- ⑤ Alcohol Pads
- ⑥ PC Workstation
- ⑦ AC adapter

musicglove™

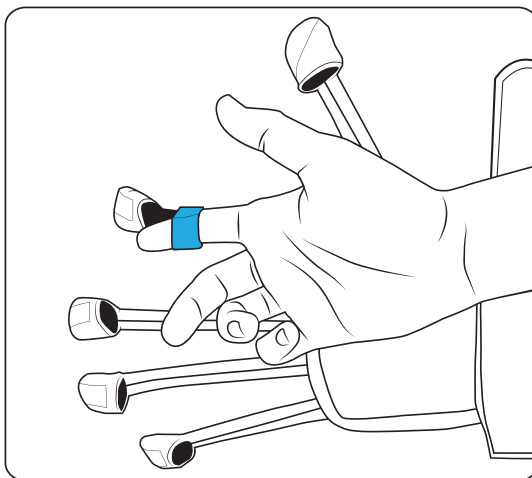
# 4 How to Use the MusicGlove

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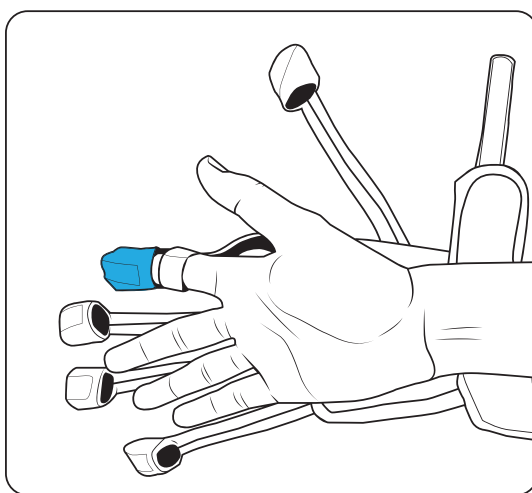
## 4.1 Donning the MusicGlove

Follow the instructions below to put on the MusicGlove.

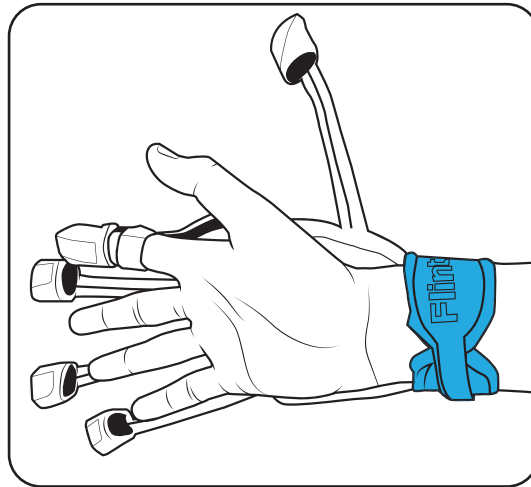
1. Slip the index loop over your index finger and pull down so it rests between your knuckles.



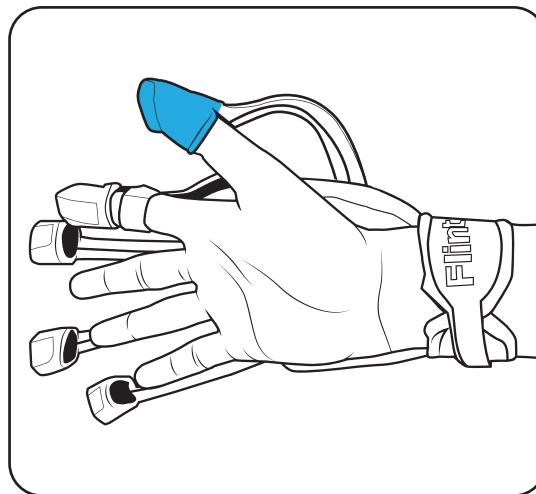
2. Pull the index cot over the tip of your index finger.



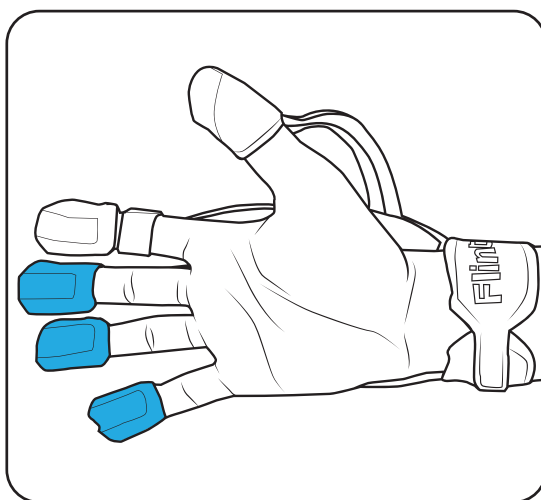
3. Secure the strap around your wrist.



4. Pull the thumb cot over the tip of your thumb.



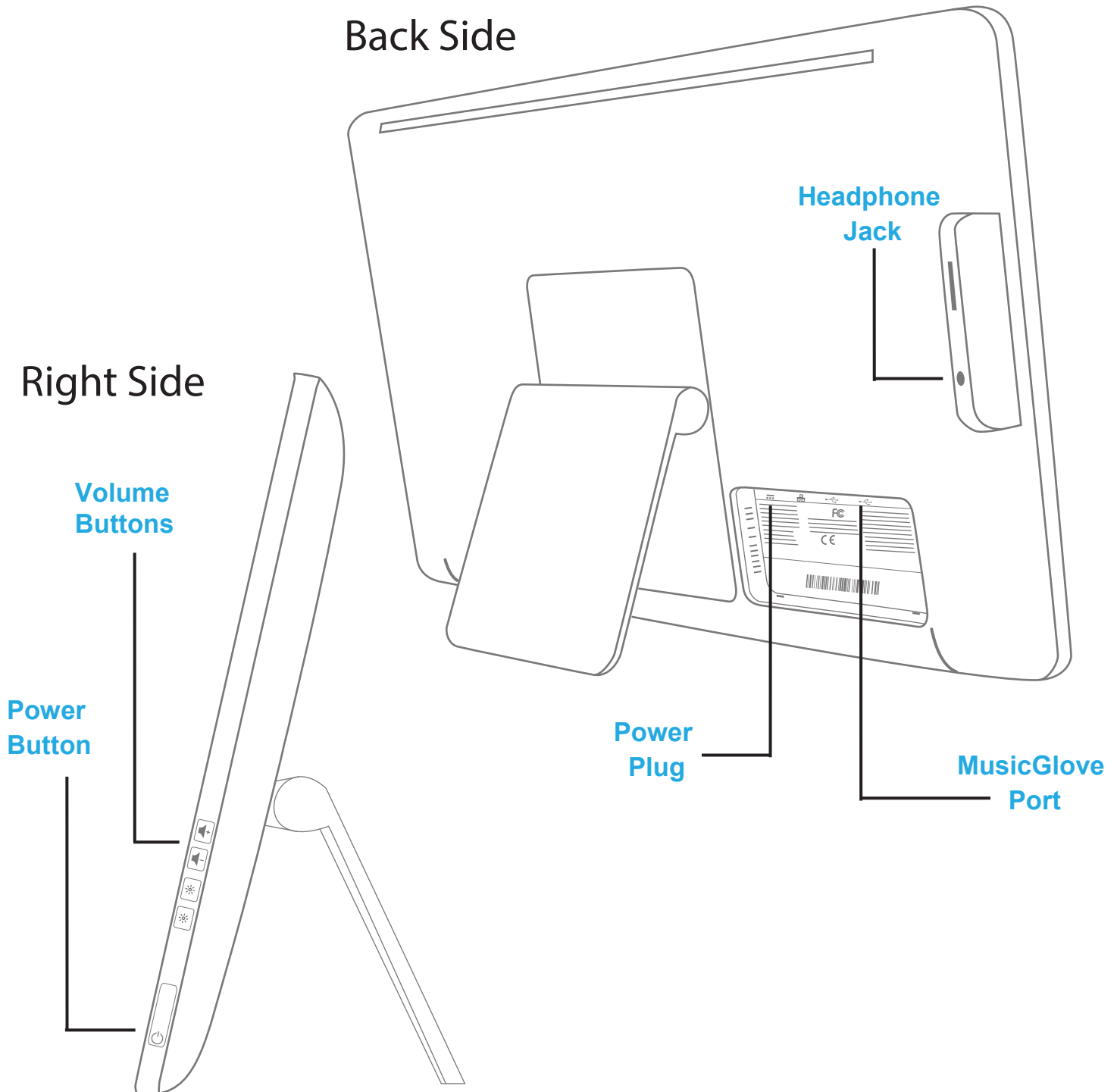
5. Pull the remaining finger cots over the tips of the corresponding fingers.



To remove the MusicGlove, simply remove all of the cots from your fingertips, remove the wrist strap, and pull the index loop off of your index finger.

## 4.2 Using the MusicGlove Software

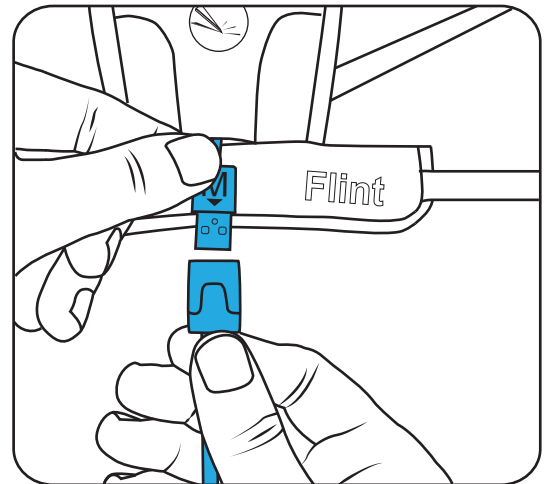
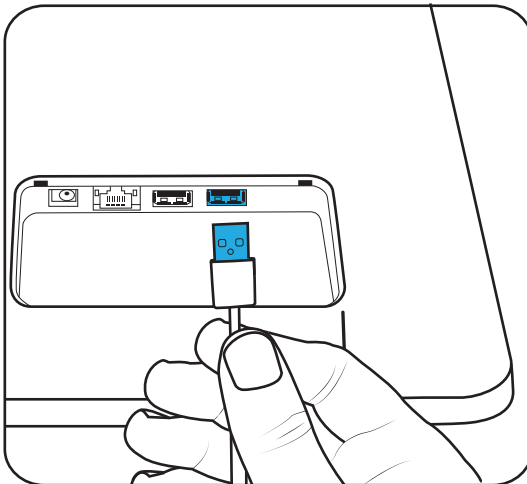
The MusicGlove contains a music-based software interface. Before you start, please use the following figure to familiarize yourself with your MusicGlove Workstation.





Follow the steps below to use the MusicGlove Software:


1. Plug the headphones into the Headphones Jack (optional).
2. Plug the custom MusicGlove Cable into the MusicGlove Port on the back of your Workstation. Plug the MusicGlove into the other end of the cable.



3. Turn on your Workstation by pressing down the Power Button on the bottom right of the device.
4. You should now see the MusicGlove Main Menu screen appear.



5. On this screen, touch a username to select that user, or **“Guest”** to log in as a guest. You can create a new account by pressing **“Create New User”**. All the accounts except the Guest account require a single master password to access.

The default password is **“flint”**. This can be changed by pressing the  icon in the bottom left-hand corner.

Press and hold a username to delete that user. The Guest account cannot be deleted.



## INFORMATION

The default password is ‘flint’. If you forget your password, call or email us for assistance.



6. The placard on this screen shows the total performance for the currently selected user (shown in the bottom left-hand corner). Press **"Play Game"** to go to the Game Options screen and begin exercising.

Press **"Analytics"** to view performance trends for the current user over time. Press **"Log Out"** to select a new user.

At any time, you may push the Power Button on the bottom right of the computer to lock the screen.



7. On this screen, press the buttons labeled “3”, “4”, or “5” on the left to change the number of active grips that will appear in the song.

Press “Songs” to select an individual song from the list or “Session” to play a timed session. Touch any Session or Song on the list under the desired difficulty to start the game. Touch and drag the list up and down to scroll.

Press “Back” if you would like to return to the Main Menu.

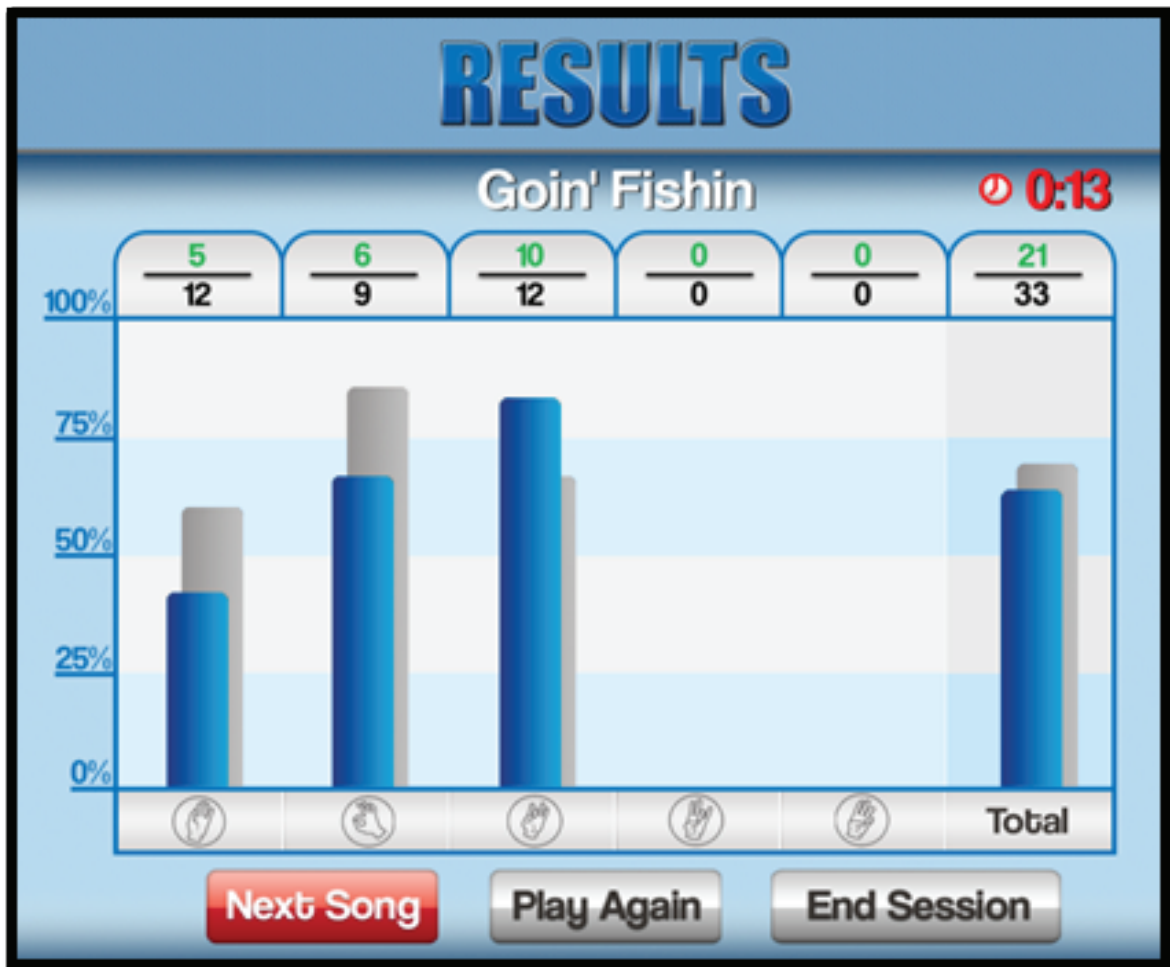


8. In the Game screen, you must make the appropriate grip when the colored dot passes through the circle on the bottom of the screen. Touch the screen to pause the game. The pause menu allows you to restart the song, or end the song early. Use the Volume Buttons on the bottom right side of the computer to adjust the volume of the song.



### IMPORTANT

The MusicGlove must be plugged into the workstation in order to play the game (see Step 1).

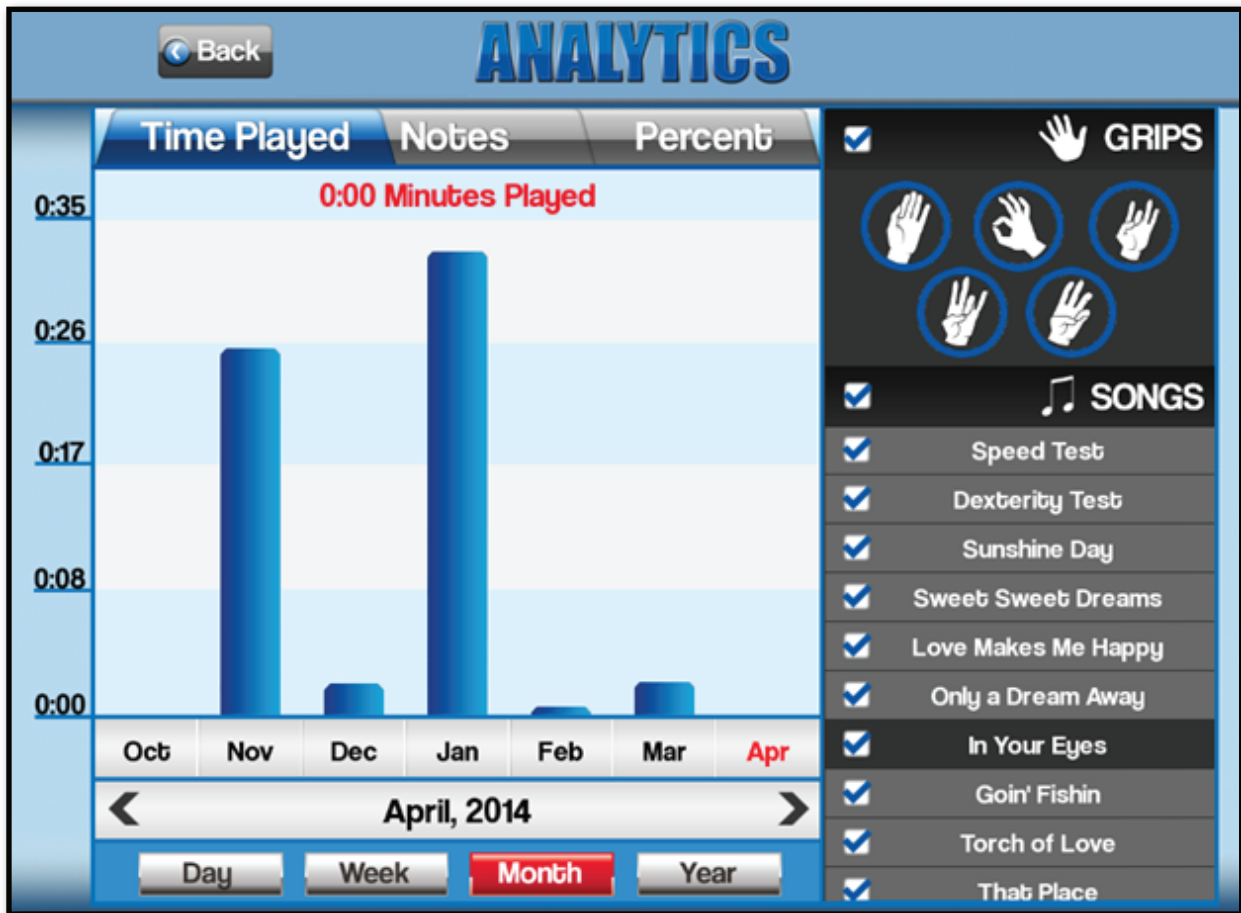


- After a song is finished, your performance for each individual grip and total performance is displayed. Press **“Play Again”** to repeat the previous song.

*Session Mode:* After a song has been played twice, the grey bars will show how well you did on the previous try, and you will be able to press **“Next Song”** to go to the next song in the playlist. Press **“End Session”** to bring up a summary screen that shows the cumulative performance for the current session. The clock in the top right corner displays the time remaining in the session.

*Single Song Mode:* Press **“New Song”** to select a new song.





10. The Analytics screen lets you track your progress over time. Press the tabs on top to change the metric displayed on the graph. **“Time”** shows the amount of time you have spent playing songs. **“Notes Hit”** shows the total number of notes hit correctly. **“Percent”** shows the percentage of notes hit correctly out of the total number of notes presented.

Touch and drag the song list to scroll. On the Options panel, touch a specific grip or a song from the list to see trends for that specific grip or song.

Press the **“Back”** button to return to the Main Menu.



## INFORMATION

You may turn off the Workstation screen at any time by tapping the Power button on the bottom right of the device. Tapping the Power Button again will turn the screen back on.

Holding the Power Button down for 3 seconds will allow you to shut down the workstation completely.



## 4.3 Exercise Guide

For best results, we recommend using the MusicGlove at least 30 minutes a day, or at least 3 hours per week. However you should always consult your physician or therapist before beginning a new type of therapy to create a program that works best for you.

Try starting out by playing the easiest songs with the first three grips only. Then, work your way up to the more difficult songs and add the additional grips over time.



### CAUTION

The MusicGlove is an exercise device, so some fatigue is expected after use. However, if you experience any continued pain or soreness, stop using the device immediately and consult your medical professional.

## 5 Contact Information

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Please use the information below to contact Flint Rehabilitation Devices, LLC in the event of any device malfunction, complaint, return request, or compliment!

### Mailing Address:

Flint Rehabilitation Devices, LLC

PO Box 5556

Irvine, CA 92616-5556

### Phone Contact:

Customer Service: (949) 667-0140

### Internet and Email Contact:

E-mail: [support@flintrehabilitation.com](mailto:support@flintrehabilitation.com)

Website: [www.musicglove.com](http://www.musicglove.com)

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