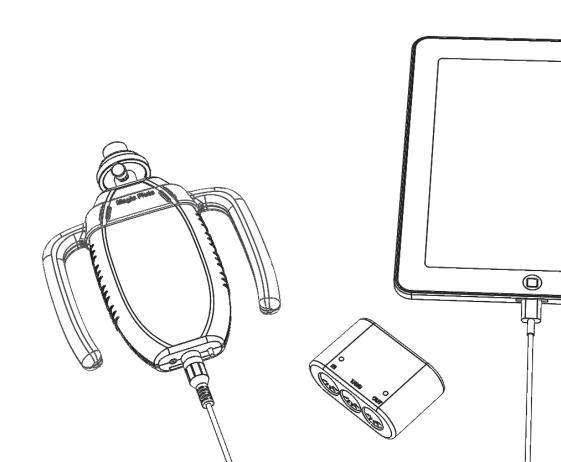
grooviube

User Manual



Getting Started

The GroovTube is a unique device that enables breathing and oral motor skills to be visible and then analysed in an amusing and motivational way.

It converts breathing modes into real-time image effects to assist individuals who experience breathing, speech, or oral motor disabilities.

The GroovTube device is connected to an iPad and it is very simple to use.

Just inhale or exhale into the mouthpiece of the GroovTube and the airflow is recorded and converted into visual effects for use with various apps that have been specially developed for the purpose.

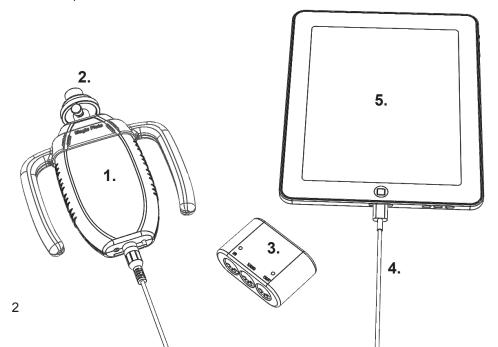
It is strongly recommend that you first read this manual throughout before starting to use the GroovTube.

System Components Required

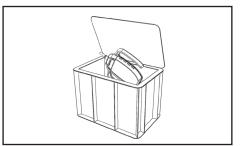
In order to use the GroovTube the following items are required:

- 1. GroovTube with cable and removeable handles
- 2. Bacterial filter mouthpiece
- MIDI-interface
- 4. MIDI to lightning connector cable
- 5. iPad with lightning connector
- 6. AC adapter (not displayed)

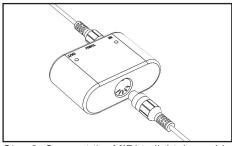
All these components are included in the starter kit, with the exception of the iPad. If you have an older model iPad the earlier type MIDI to 30-pin cable is available as an additional option.



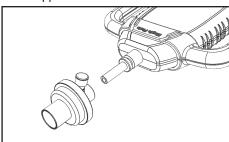
Quick Start Guide



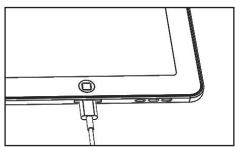
Step 1. Locate and remove the required items from the case.



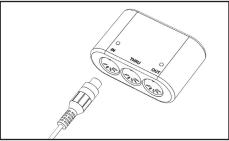
Step 3. Connect the MIDI to lightning cable to the opposite side of the MIDI interface.



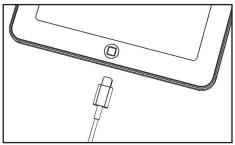
Step 5. Place the bacterial filter mouthpiece on the white connecting tube.



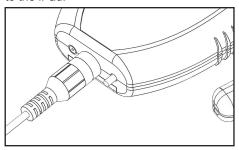
Step 7. Turn on the iPad.



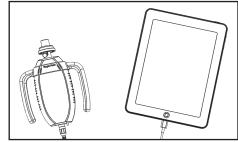
Step 2. Connect the GroovTube to the IN port of the MIDI interface.



Step 4. Connect the other end of this cable to the iPad.



Step 6. Activate the GroovTube using the on-off button next to the cable.



Step 8. The GroovTube is now ready for use.

Initial Use

Connecting the hardware

These steps are illustrated on the previous page.

- Step 1. Select and remove the components from the case and prepare your iPad.
- Step 2. Connect the GroovTube to the IN port of the iRig MIDI interface.
- Step 3. Connect the iPad cable to the other side of the MIDI interface.
- Step 4. Connect the other end of this cable to the iPad.
- Step 5. Place the bacterial filter mouthpiece on to Groovtube.

Please ensure that you wash your hands prior to working with the GroovTube! Avoid touching the front of the mouthpiece with hand. If you are using an extender mouthpiece on top of the bacterial filter mouthpiece place this without touching the front or back of it with your hands. Connect it firmly.

NOTE: each user will use his or her own bacterial filter mouthpiece. These can be stored in the supplied plastic containers that have lids. Depending on the requirement of the user you can place an extender mouthpiece on top of the bacterial filter mouthpiece. Please observe a strict routine of the hygiene protocol. The extender mouthpieces are reusable. They can be cleaned with alcohol. For the correct hygiene protocol, see pages 5/6.

- Step 6. Activate the GroovTube using the on-off button (lower button on underside).
- Step 7. Turn on the iPad.
- Step 8. The hardware is now ready for use. Now follow the instructions below.

Using the GroovTube

When the hardware is connected the GroovTube is ready for use. The apps needed to use the GroovTube are available for free in the App store. You will need to log in with an Apple ID in order to download them.

To ensure that the apps function properly it is important that you carry out the following procedure for every use:

- Step 1. Connect the GroovTube to the iPad as described above.
- Step 2. Turn on the iPad with the SLEEP / WAKE button.
- Step 3. Turn on the GroovTube. You should hear a beep and the LEDs light up. These leds also light up when you inhale or exhale.
- Step 4. Open the app that you would like to use.

You are now ready to start using the GroovTube.

Turning off the GroovTube and storing it

After each session, close all apps and store the GroovTube in the storage case. To exit the session please follow this procedure:

- Step 1. Double-click the HOME button (square on the iPad). You can see all the programs that are open. Swipe the app's screenshot up and off the screen. (Fig. 1).
- Step 2. Turn the iPad off by pressing the SLEEP / WAKE button for a few seconds (Fig. 2).
- Step 3. Turn the GroovTube off. You should hear a closing beep.
- Step 4. Disconnect the lightning connector from the iPad. The connection of this cable with the MIDI interface can remain.
- Step 5. Disconnect the cable coming out of the GroovTube from the MIDI interface.
- Step 6. Remove the bacterial filter mouthpiece and store it in a container cup with lid intended for this purpose. NOTE: Please ensure that the hygiene protocol is followed strictly as described on pages 5/6!
- Step 6. Store all the materials in the storage case.

Fig.1 Swipe to close apps



Fig. 2. SLEEP/WAKE knop



If you do not use the GroovTube for some time, it will switch itself off automatically.

Charging the battery of the GroovTube

Ensure that you use only the supplied charger for GroovTube! Connect the GroovTube to the supplied AC power adapter. Connect charger to the GroovTube by inserting charger plug into input jack. During charging an indication LED on the GroovTube will light up. When charging is complete, this light goes out.

Keep the battery of the GroovTube in optimum condition

Store and charge your batteries in a cool area. Temperatures above normal room temperature will shorten battery life. The rechargeable battery performs best when it is used regularly. All batteries gradually lose their charge. If you store the GroovTube for long periods of time without using it, recharge the batteries ones a month. This practice will prolong battery life.

Hygienic protocol for hospital environment

Hand hygiene**

Always wash your hands before and after working with the GroovTube to prevent cross-contamination.

Work place and GroovTube hardware

Clean and disinfect your work surface, before between and after client service. Clean and disinfect the Groovtube device before between and after client services, especially the handles. Use a dry cloth with a little isopropyl alcohol or alcohol pads. Avoid wiping the MIDI and power ports.

Bacterial filter mouthpiece

To prevent cross-contamination always use the green bacterial filter mouthpiece (type DAR™ Infant)***.

Use a new bacterial filter mouthpiece for every new session. Do not touch the front of the mouthpiece with hands.

Extender Mouthpieces

(Only in case if you are using an extender mouthpiece on top of the Bacterial filter mouthpiece)

Extender mouthpieces can be re-used after appropriate sterilisation. Suggested methods include autoclaving or immersion for 5 minutes in a sealed bath of 70% alcohol and then air drying.

Periodic cleaning and charging

The following items have to be cleaned at least once a week:

The inside of the storage case, iPad****, cables, connectors, GroovTube handles, power adapter and MIDI interface. Unplug all cables and turn off iPad. Use a dry cloth with a little isopropyl alcohol or alcohol pads. The blue GroovTube handles are detachable from the black housing. Unlock them from the back, slide the handles off, and clean them as well. After cleaning allow the items to air dry for a minute. Avoid wiping the MIDI and power ports.

Also clean the white GroovTube connecting piece. Press on the blue ring of the white connecting piece holder and take out the white tube. Immerse the white tube in alcohol (70%) for 5 minutes.

Air dry the white tube for one minute then put it back in place.

Charge the batteries of the iPad and Groovtube just before the periodic cleaning in a dry and clean place.

- * The GroovTube is a Class I medical device (CE)
- ** Hand hygiene is defined as hand washing or washing hands and nails with soap and water or using a waterless hand sanitizer.
- *** (type DAR™ Infant) Pediatric Electrostatic Filter HME 355U5427
- **** We advise to use a screen protector on the iPad

Hygienic protocol for non-hospital environments

Hand hygiene**

Always wash your hands before and after working with the GroovTube to prevent cross-contamination.

Work place and GroovTube hardware

Clean and disinfect your work surface, before between and after client service. Clean and disinfect the Groovtube device before between and after client services, especially the handles. Use a dry cloth with isopropyl alcohol or alcohol pads. Avoid wiping the MIDI and power ports.

Bacterial filter mouthpiece

To prevent cross-contamination always use the green bacterial filter mouthpiece (type DAR™ Infant)***

Each patient uses his own filter mouthpiece that needs to be stored in a container cup with lid. The filter mouthpiece needs to be replaced at least once a month. The container cup needs to be dated with a sticker and also be replaced at least once a month. Do not touch the front of the mouthpiece with hands.

Extender Mouthpieces

(Only if you are using an extender mouthpiece on top of the Bacterial filter mouthpiece) Each patient uses his own extender mouthpiece that needs to be stored in a separate container cup with lid.

You can reuse the extender mouthpieces after cleaning: immerse the extender mouthpieces in alcohol (70%) for 5 minutes and then dried to the air.

Periodic cleaning and charging

The following items have to be cleaned at least once a week:

The inside of the storage case, iPad****, cables, connectors, GroovTube handles, power adapter and MIDI interface. Unplug all cables and turn off iPad. Use a dry cloth with a little isopropyl alcohol or alcohol pads. The blue GroovTube handles are detachable from the black housing. Unlock them from the back, slide the handles off, and clean them as well. After cleaning allow the items to air dry for a minute.

Also clean the white GroovTube connecting piece. Press on the blue ring of the white connecting piece holder and take out the white tube. Immerse the white tube in alcohol (70%) for 5 minutes.

Air dry the white tube for one minute then put it back in place.

Charge the batteries of the iPad and Groovtube just before the periodic cleaning in a dry and clean place.

- The GroovTube is a Class I medical device (CE)
- ** Hand hygiene is defined as hand washing or washing hands and nails with soap and water or using a waterless hand sanitizer.
- *** (type DAR™ Infant) Pediatric Electrostatic Filter HME 355U5427
- **** We advise to use a screen protector on the iPad

Finally

We hope that you and your users will have a lot of fun and enjoyment when using the GroovTube. There are some practical solutions to try if any malfunctions should occur.

What to do in cases of faults or failure?

In case of malfunction in the operation of the system, there are a number of possible solutions:

- Close the apps completely and restart the iPad again.
- Make sure all connections are properly made and that the iPad and Groovtube are sufficiently charged.
- To locate malfunctions you can use the indicator LED-lights on the GroovTube and on the MIDI-interface

If the problems continue to exist then please contact your supplier. Contact information is listed on the rear cover of this manual.

Warnings

We ask you to respect the following general points:

- Do not allow the GroovTube to get wet and therefore do not use it near to water or in a wet / damp environment.
- Use only the supplied adapter to charge the battery of the GroovTube.
- Always use the GroovTube under expert supervision.
- Always follow the cleaning protocol.
- The bacterial filter mouthpiece contains a small removable cap, keep this away from small children as this can be a choking hazard.
- Keep the extender mouthpiece away from small children beacuse it can be a choking hazard.
- Ensure that extender mouthpieces are placed firmly in the bacterial filter mouthpiece.
 If these come loose, there is a choking hazard risk.
- Check for damaged parts. Observe if the handle develops any sharp edges or other damage.

Contact us

Please take a look at our website www.groovtube.nl. There you can find most of the answers to frequently asked questions and download the latest version of this manual.

9

Contact information

AudioRhoon, Ruud van der Wel Marskramer 17, 3161 ND, Rhoon The Netherlands

E-mail: <u>info@groovtube.nl</u> Website: <u>www.groovtube.nl</u>

Please also note the contact details of your local supplier.



3 VERSION 4, FEBRUARY 2015. ALL RIGHTS RESERVED