



**SHIVERS MHL200 USER MANUAL
HORSE CARE SET**

ANIMAL GROOMING AND MUSCLE MASSAGE DEVICE

www.shivers.fi



Table of Content

1	SHIVERS MHL200 - Introduction	9
2	Safety	10
2.1	From the user's viewpoint	10
2.2	From the animal's viewpoint	11
3	Health	13
3.1	From the user's viewpoint	13
3.2	From the animal's viewpoint	14
4	Turning on the device and taking it into use	14
Activating and turning off the device		14
5	Pause state	15
6	Adjusting the strength	15
7	Selecting programmes	16
8	Removable heads and detaching and fastening them	18
9	Charging the device	19
10	Using a care belt (hands-free)	20
11	Device maintenance	21
12	Resetting the device software in a problem situation	21
13	Limitation of liability	22
14	Technical data	23

Disclaimer

This document is compiled and kept up-to-date as conscientiously as possible. Amandel LTD. cannot, however guarantee that the data are free of errors, accurate or complete and therefore, assumes no liability for loss or damage of any kind incurred directly or indirectly through the use of this document. The information in this document is subject to change without notice and describes only generally the product defined in the introduction of this documentation. Amandel LTD. products are not authorized for use in life-support or safety-critical conditions. Use in such applications or condition use is done at the sole discretion of the customer. Amandel LTD. will not warrant the use of its devices in such applications and conditions.

Warnings and important safety instructions

Read before using the SHIVERS device.

Failure to avoid the following potential hazardous situations could result in an accident or collision resulting in death or serious injury.

- Use the device only as specified in this user manual.
- Device has no user-replaceable components. If these guidelines are not followed the device/battery may experience a shortened life or may present a risk of

damage to the device, fire, chemical burn, electrolyte leak, and/or injury.

- Do not charge device/battery below 0 °C or over 45 °C
- Do not use device under -20 °C or over 45 °C
- Do not leave the device exposed a heat source or in a high-temperature location, such as in the sun in an unattended vehicle. To prevent damage, remove the device from the vehicle or store it out of direct sunlight, such as in the clove-box.
- Do not leave the device exposed a water source or in a high moisture condition, such as near to a washing tap.
- Do not disassemble any part from the device.
- Do not puncture or incinerate the device/battery.
- Do not use any sharp object to clean any part of the device.
- Keep the damaged device/battery away from children.
- Contact your local waste disposal department to dispose of the device/battery in according with applicable local laws and regulations.
- This product is intended to be used only as training aid for horse trainers and must not be used for any purpose requiring health care aid. Always use your best judgment and exercise common sense when using SHIVERS device. Always carefully follow your animal condition while using the device. Do not use the device if you would put you or your horse in an unsafe situation.
- Do not use SHIVERS device for animal training purpose if the outside temperature is too high or too low or there is

any possibility that you would put you or your animal in unsafe situation. Make sure you know your animal health condition well before you start using SHIVERS as a training aid.

- Always use your best judgment, and operate the horse in safe manner. Do not become distracted by the device and minimize the amount of time spent using the device.
- Do not use the device while riding or driving with your horse.
- Do not use the device in while driving with vehicles, on board ships or aircraft.
- IT IS THE USER'S RESPONSIBILITY TO USE THE SHIVERS DEVICE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND ORDINANCES.
- DO NOT USE OR HANDLE THE SHIVERS DEVICE WHILE OPERATING MOTOR VEHICLES.
- AMANDEL LTD. DOES NOT ASSUME ANY RESPONSIBILITY FOR ANY FINES, PENALTIES, DAMAGES OR INJURIES THAT MAY BE INCURRED AS A RESULT OF ANY STATE OR LOCAL LAW OR ORDINANCE RELATING TO THE USE OF YOUR SHIVERS DEVICE.

LIMITED WARRENTY

This SHIVERS product is warranted to be free from defects in materials or workmanship for one (1) year from the date of purchase. Within this period, AMANDEL LTD. will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not apply to: (1) cosmetic damage, such as scratches, nicks and dents; (2) consumable parts, such as chargers, unless product damage has occurred due to a defect in the materials or workmanship; (3) damage caused by accident, abuse, misuse, water, flood, fire, or other act of nature or external causes; (4) damage caused by service performed by anyone who is not an authorized service provider of AMADNEL; or (5) damage to a product that has been modified or altered without the written permission of AMANDEL. In addition, AMANDEL reserved the right to refuse warranty claims against products or services that are obtained and/or used in contravention of the laws of any country.

This product is intended to be used only as training aid for horse trainers and must not be used for any purpose requiring other things. AMANDEL Ltd. makes no warranty as to the accuracy or completeness of result of using this device.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY LIABILITY

ARISING UNDER ANY WARRANTY MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE. IN NO EVENT SHALL AMANDEL LTD BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGE, INCLUDING, WITHOUT LIMITATION, DAMAGES FOR ANY PART OR CITATIONS, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGE, SO THE ABOVE LIMITAITION MAY NOT APPLY TO YOU.

AMANDEL retains the exclusive right to repair or replace (with a new or newly-overhauled replacement product) the device or software or offer a full refund of the purchase price at its sole discretion. **SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.** To obtain warranty service, contact your local AMANDEL authorized dealer or call AMANDEL Product Support for shipping instructions and an RMA tracking number. Securely pack the device and a copy of the original sales receipt, which is required as the proof of purchase for warranty repairs. Write the tracking number clearly on the outside of the package. Send the device, freight charges prepaid, to any AMANDEL warranty service station.

Contacting AMANDEL main product service:

AMANDEL LTD

Product Service
Välirinne 8
90940 Jääli, Oulu
FINLAND

Phone: +358 50 386 9359

Email: info@shivers.fi

Web: www.shivers.fi

1 SHIVERS MHL200 - Introduction

The SHIVERS MHL200 is a multifunctional care appliance meant for animal grooming, massage, skin and hair care. SHIVERS is a smart appliance, whose patented structure, technical details and tailored programmes produce pulsating and beat frequency (vibration). An unprecedented benefit in animal care is achieved by combining this technology and design with different treatment heads. This massage and care appliance meant for animals has been found to have a positive impact on the well-being of animals.

* Is not based on any study, but rather our own subjective opinion and feedback received from users.

The SHIVERS MHL200 horse care product set is used for animal muscle massage and physiotherapy or skin and hair care and relaxing and calming the animal.

Shivers™ is a registered trademark, whose rights are owned by Amandel Oy. All other trademarks connected with the device are the property of their legal owners. The device is designed and manufactured in Finland.

2 Safety

2.1 *From the user's viewpoint*

- The product is not meant to be a medical treatment device.
- The appliance can be used by persons (including children 8 years and older) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction.
- Children shall not play with the appliance
- Cleaning and maintenance of the appliance shall not be realized by unsupervised children.
- Use the product only in the manner described in the operating instructions.
- Do not change the device in any way.
- Turn off the device when you are not using it.
- Keep the product away from hot surfaces and direct sunlight.
- The product is only meant for normal use in animal care.
- The battery must be removed from the appliance before it is scrapped.
- The appliance must be disconnected from the supply mains when removing the battery
- The battery is to be disposed of safely.

2.2 *From the animal's viewpoint*

- Let the animal familiarise itself with the device in a calm environment during the first time.
- Begin the care with the lowest strength.
- Avoid treating the ears/head and other sensitive areas during the first times.
- Never leave the animal alone with the device (hands-free option), but rather always supervise the care until it is over.
- Keep the animal on a lead during the care if necessary.

WARNING!

When turning on the device, you must hold onto it as tightly as possible.

When turning on the device or adjusting its settings, do not hold it on the animal.

In accordance with the EU-directive 2002/44/EC appliance hand-transmitted vibration measurements are in following tables. Test are made with the maximum power.

1.1. Program 1

Program 1				
X	Y	Z	RMS	Frequency
0,188 m/s ²	0,672 m/s ²	1,513 m/s ²	1,666 m/s ²	221 Hz

Table 1: Program 1



Picture 1: Program 1 vibration chart

Table 1. Program 1, RMS 1.66 m/s², 221 Hz

1.2. Program 2

Program 2				
X	Y	Z	RMS	Frequency
0,096 m/s ²	1,150 m/s ²	1,211 m/s ²	1,673 m/s ²	173 Hz

Table 2: Program 2



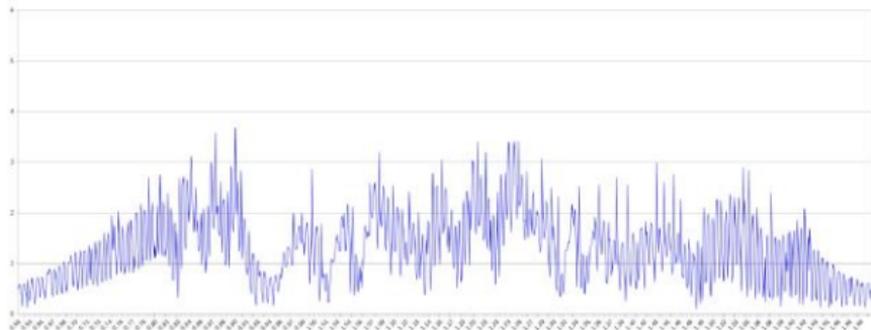
Picture 2: Program 2 vibration chart

Table 2. Program 2, RMS 1.67 m/s², 173 Hz

1.3. Program 3

Program 3				
X	Y	Z	RMS	Frequency
0,128 m/s ²	0,934 m/s ²	1,176 m/s ²	1,508 m/s ²	203 Hz

Table 3. Program 3



Picture 3. Program 3 vibration chart

Table 3. Program 3, RMS 1,51 m/s², 203Hz

3 Health

3.1 From the user's viewpoint

- Consult a doctor if you intend to use the device during pregnancy, if you have a pacemaker or some other comparable electronic stimulation device or internal implant or if you have received any of the following diagnoses: diabetes, heart disease, skin cancer or if your state requires rest.
- If use of the device causes sensitivity, nausea or numbness in your hands, stop the care and contact a doctor (do not exceed the recommended use time).
- Use the device for 30 minutes maximum per day at one time.

3.2 *From the animal's viewpoint*

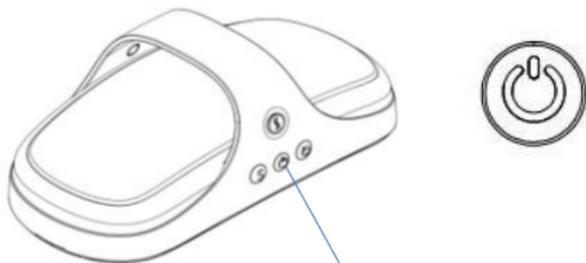
- Consult a veterinarian if you intend to use the device when the horse is pregnant or if your animal has received any of the following diagnoses; arthritis or an inflammation in general, heart disease, allergy or if the animal's state requires rest.
- If use of the device causes sensitivity, allergy or pain, stop the massage and contact a veterinarian.
- Do not use the device on swollen or inflamed areas. Do not use the device on an area that has skin changes or open wounds.
- Treat the animal for 30 minutes maximum at one time.

4 **Turning on the device and taking it into use**

Activating and turning off the device

Activate the device by pressing the start button to the bottom for about one (1) second. An orange background light turns on behind the start button, and the motors turn around twice lightly (vibration) as a sign that the device is turned on.

The device is turned off by pressing down the start button continuously for two (2) seconds. The start button's background light is turned off and the motors turn around once (vibration).



Start button

5 Pause state

If the start button is pressed briefly (for about 1 second) during use, the device goes into the **"Pause"** state. The start button's background light blinks during the Pause state. You can exit the Pause state by pressing the start button again briefly (for about 1 second), the background light stops blinking and the device continues to function from the setting it was on before the pause state.

6 Adjusting the strength

By pressing the strength adjustment button once, the device is turned on and the motors starting vibrating on strength level one (1). By pressing the strength adjustment button multiple

times, the strength of the device's motors is adjusted between levels 1 and 5. There are five strength adjustment levels;

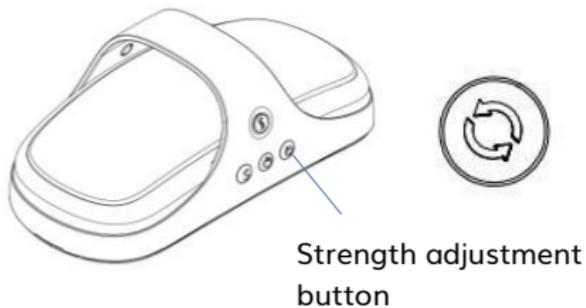
on level 1, the motors turn at 20% power,

on level 2 at 40%,

on level 3 at 60%,

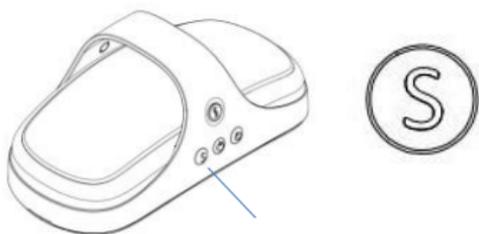
on level 4 at 80% and

on level 5 at 100% power.



7 Selecting programmes

By pressing the program selection button once, the device's pre-set programs become active. The motors' frequency, power is pre-programmed for the device's processor.



Program selection button

Level 1 "**Normal program**," in which the motors turn around normally according to the strength level set with the strength adjustment button, the so-called "**basic state**". Only the background light behind the start button is turned on.

Level 2 "**Pulsating program**," in which the motors turn around at the same rate, but their strength is adjusted automatically between strength levels 1,2,3,4,5,6 (1,2,3,4,5,6,5,4,3,2,1 etc.). The programme's strength level can be selected with the strength adjustment button (5 levels). When this programme is selected, the background light behind the start button and the strength adjustment button is turned on.

Level 3 "**Mixing program**," in which the motors change their speed at a different rate (phase displacement) to each other. The programme's strength level can be selected with the strength adjustment button (5 levels). When this programme is

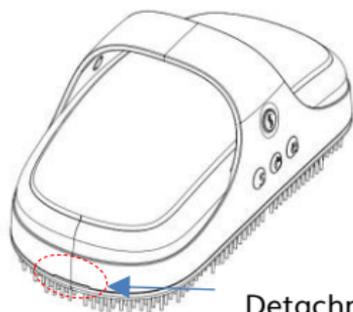
selected, the background lights behind all buttons are turned on.

8 Removable heads and detaching and fastening them

Two removable heads come with the device, the nodule and brush removable heads.



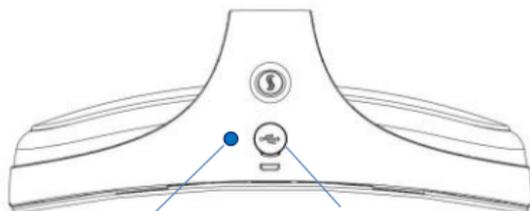
The removable head is fastened by pressing the removable head evenly against the bottom of the device. The snap features highlighted with arrows on bottom side, will lock the heads on the right position. Detaching the removable head is done from the nail hole on the device head by bending the removable head outwards (open).



Detachment place of
the removable head

9 Charging the device

To charge the device, fasten the charger adapter that came with the product package to the device's USB adapter slot.



LED light

USB adapter slot

The adapter slot's protective cap must first be opened and turned away, so that the charger's adapter can be fastened. After

this, plug the other end of the charger to a socket.

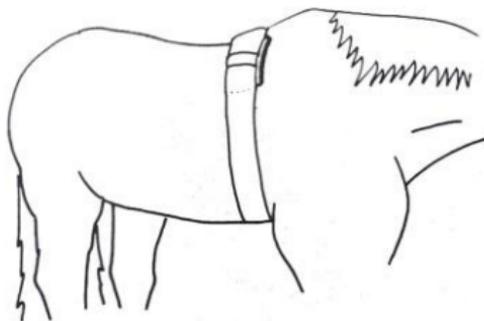
The blue **LED light** in the left corner of the adapter is turned on and notifies you it is charging by blinking slowly. When the battery is fully charged, the blinking stops and the LED light burns continuously.

WARNING!

- The device must not be charged in temperatures of below 0°C or over +45°C.
- Do not try to turn on the device when it is charging.
- Use only the power supply unit provide with the sales package.

10 Using a care belt (hands-free)

Fasten the device on the animal in the desired place with the care belt as follows.



1. First adjust the belt length to fit the massage area.
2. Thread the device into the care belt pocket and lock.
3. Lock the belt on the animal.

11 Device maintenance

When you are not using the SHIVERS device, store it in a dry place in room temperature. Do not store it in material that is wet or does not breathe (for example, a plastic bag or sports bag) or conducts electricity (for example, a wet towel). Do not expose the device to direct sunshine for a long period. Clean the device by wiping it with a towel moistened with a mild soap solution. Never use alcohol, cleaning chemicals or abrasive material, such as steel wool, to clean the device. Do not wash the device with running water, and do not sink the device in water or other liquids. The device is splash water proof.

We recommend that the device is serviced only at a service place designated by the manufacturer. Find the nearest service place at www.shivers.fi. The warranty does not cover direct or indirect damages that result from servicing not authorised by Amandel Oy, the manufacturer of the device.

12 Resetting the device software in a problem situation

If the device does not react to button presses, and it cannot be turned off by pressing the start button for one second even the

battery is full charged, you can reset the device by pressing the start button continuously until the device software is reset.

13 Limitation of liability

The purpose of the contents of these operating instructions is informing the consumer. Products described in the instructions may be changed without advance notification, because the manufacturer continues to develop the products. Amandel LTD grants no warranties related to these instructions. Amandel LTD is not liable to compensate for any damages, losses, costs or expenses, including direct, implied, arbitrary, indirect or special costs, which result from the use of these instructions or which are related to the use of these instructions.

14 Technical data

Device measurements:

Length 204 mm, width 106 mm, thickness 98 mm

Weight:

356 grams

Battery:

Lithium Polymer 2700 mAh chargeable battery, which has a 6 – 10 h readiness period depending on the settings.

Vibration motors:

The device has 3.6 volt built-in vibration motors that are controlled with interface buttons.

Copyright: ©2016 Amandel Oy/Ltd. All rights reserved. This document can be updated without separate notification.



This document should be recycled in accordance with local laws and regulations.



This product has been approved in accordance with EU directives.



This document is made of recyclable materials.

Version 1.0

Printed in Finland

