

# emmi<sup>®</sup>PET



PROFESSIONAL DENTAL CLEANING FOR ANIMALS WITH 100% ULTRASOUND

## User Manual - emmi<sup>®</sup>-pet 2.0/PRO

Thank you for choosing our emmi<sup>®</sup>-pet ultrasonic toothbrush for dental cleaning and oral hygiene for animals. To get familiar how to use our ultrasonic device for dental cleaning, emmi<sup>®</sup>-pet, please read this user manual carefully and completely. This secures you reach the best possible results for your animal.

### Content emmi<sup>®</sup>-pet:

- 1x emmi<sup>®</sup>-pet Handpiece,
- 1x emmi<sup>®</sup>-pet 100-240-V Charging station,
- 1x emmi<sup>®</sup>-pet A1/A2 Ultrasound attachments,
- 1x emmi<sup>®</sup>-pet Ultrasound toothpaste for animals (75ml).



CORRECT POSITIONING



APPLICATION VIDEO



Premium Partner des VDH



## Important - Charging of batteries / Performance per charge

Please make sure that the handpiece is switched off during charging, otherwise charging will not be possible. If you use the unit 10 minutes once a day, you can use it on the battery for approx. 10 days. Afterwards, charging as needed is required.

### First Use

1. Always insert the ultrasound attachment in vertical direction and remove it also vertically. This avoids damage to the handpiece contact pin due to jamming.
2. Connect the plug to the socket, place the handpiece with ultrasound attachment on the charging station and charge the unit for 24 hours.

**LED 1 lights up blue as soon as the brush is placed on the charging station. Bright blue light means: charging in progress, dim blue light means: charging complete.**

### IMPORTANT SECURITY ADVISE

The ultrasonic devices of Emmi Ultrasonic GmbH reflect the newest and most effective way of dental cleaning and oral hygiene for humans and animals. Please read the user manual carefully and completely as well as the enclosed warning notices. To avoid an electric shock please pay attention to the below:

1. Always place the charging station in such a way that it cannot fall into bathtubs or washbasins
2. Use the charging station on dry subsoil and in dry surrounding only.
3. In case the charging station has fallen into water, don't touch it.
4. Interrupt immediately the power supply.
5. Never use the charging station in the bath tub.

### LED Display



LED 1: Red, green and blue light on the button in one LED.

1. LED blue – CHARGING

LED 1 lights up blue as soon as the brush is placed on the charging station. Bright blue light means: charging in progress, dim blue light means: charging complete.

2. LED green – ON

If the unit is switched on and the ultrasound attachment is inserted, the green LED is lit continuously.

**emmi-pet PRO:** When switching on/off, the emmi-pet Pro vibrates for approx. 1 sec. to indicate the operating status.

3. LED red blinking - CHECK / FAULT / BATTERY CHARGE

If there is a fault, the red LED lights up and the device switches off. If the battery is heavily discharged, LED 1 flashes red a few times after the cleaning process. Now the brush should be charged without fail, as the battery energy may no longer be sufficient for another cleaning process.

4. Unit switched off - No display

### Additional features

- Attachment detection (Transport Safe function): without an attachment, the unit switches off automatically and cannot be switched on. The green LED lights up briefly and switches off again.
- Automatic switch-off (Akku Safe function): the device switches off automatically after 6 minutes.



During charging, always insert the ultrasound attachment for a better control of the unit condition.



## Intended Use

To avoid the risk of damages, fire, electrocution or injuries please follow the below:

Use this product only for its intended use as described in this manual. This means, use the device only for the dental cleaning and oral hygiene of animals and only in conjunction with other devices and components recommended by Emmi Ultrasonic GmbH. Any other or beyond usage is considered as not intended. In case of not intended use Emmi Ultrasonic GmbH refuses the liability for possibly appearing damages and the guarantee for a functional operation of the components. Intended use also includes following all indications stated in this manual. This is pointed out by the symbol ⚠ on the type plate. A correct and secure operation of the product requires appropriate transport, storage, placement and set up as well as an elaborate handling and maintenance. The recurring testings according to DGUVV3 are to be considered. The device needs to be positioned in a way that the power plug is freely accessible at any time.

## Not Intended Use

In case of not intended use dangers for life and body as well as material damages can occur. For this reason not intended use is permitted. In case of not intended use Emmi Ultrasonic GmbH refuses the liability for possibly appearing damages and the guarantee for a functional operation of the components. To avoid not intended use, please follow the below.

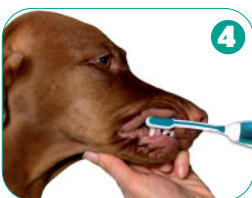
- This device for dental cleaning and oral hygiene may be operated only with the supply voltage printed on the type plate (bottom side of the charging station).
- Don't use any flammable or aggressive chemicals, acids, bases, etc. to clean the device.
- In case transport damages are experienced, don't connect the charging station to the power supply.
- The device may be operated only indoor at room temperature.



## HEALTHY TEETH - HEALTHY ANIMAL

### One way to get your animal used to dental and oral care with the original Ultrasound of emmi®-pet (you know your pet best after all)

- 1 Press 1 cm of Ultrasound toothpaste on your finger. Let your animal sniff and lick the cream.
- 2 Switch the unit on and show it to your animal.  
Device ON: emmi-pet 2.0: LED lights up green. emmi-pet PRO: Vibrates additionally for 1 second.
- 3 Hold the handpiece with the Ultrasound tip near the mouth of your animal and talk reassuringly to your animal.
- 4 Lift carefully his lips and introduce slowly the ultrasonic attachment into his mouth, in order to get your animal used to the hygienic procedure.
- 5 Now start cleaning the teeth. Go from tooth to tooth and repeat the following application steps. With the bristles, distribute loosely the Ultrasound toothpaste over the inner and outer surfaces of teeth and chewing surfaces. Start with his back teeth while holding the bristles of the ultrasonic attachment and tip motionless on the teeth without any pressure. The ultrasonic attachment allows you to cover 1 to 3 teeth at once. Leave the brush approx. 10 seconds on the teeth and move on to the next teeth. Please do not move the unit during cleansing, otherwise it will not function. The micro-bubbles that are generated in the Ultrasound toothpaste by the emmi®-pet Ultrasound ensure a thorough and friction-free cleansing.
- 6 After cleansing, wash the bristles under running water. The unit remains switched on during this procedure. After rinsing, you can switch off the unit. The Ultrasound has a sterilization effect which ensures disinfection after rinsing. After each cleansing, the device can be repositioned on the charging station. This does not damage the battery.



## Daily Use

We recommend to use the emmi®-pet for dental and mouth care approximately 1 to 3 times a week (veterinarians recommend a daily use). The duration of the cleaning should be between 3 - 10 minutes depending on the degree of contamination of your pet's teeth. If a regular cleaning is happening (daily tooth cleaning) 3 minutes are enough as part of the prevention. If your pet's teeth are cleaned irregularly with the emmi®-pet, we recommend intensive sonication of the teeth for up to 10 minutes. Ultrasound is absolutely harmless to your animal.

## How does emmi®-pet work in combination with the special emmi®-pet ultrasonic toothpaste enriched with microbubbles?

The emmi®-pet Ultrasound toothpaste for animals has been developed specially for dental care in animals. The emmi®-pet, along with the Ultrasound unit for dental and mouth care, gently cleans the teeth of your animal without any friction. It is important that you use the emmi®-pet Ultrasound toothpaste for animal use for the dental care of your animal. The supplied emmi®-pet ultrasonic toothpaste contains microscopic air bubbles (microbubbles) that have been enriched in an additional production step. The Goethe University of Frankfurt am Main has confirmed this. More than 3.5 million microbubbles were detected in a range of one mm<sup>3</sup>. The ultrasonic vibrations destroy the structure of the microbubbles and they collapse. This creates a suction effect that removes the biofilm and the plaque from the teeth. Afterwards we recommend brushing the bristles over the teeth to remove the loosened biofilm and the plaque from the tooth. All of this happens without your animal noticing it. A traditional toothpaste will not generate the micro-activity (generation of micro-bubbles) which is indispensable for the functioning of the emmi®-pet Ultrasound in dental care applications.

## emmi-pet 2.0

### IMPORTANT:

The device has a vibration and noiseless functioning in order not to frighten or upset your animal. The correct functioning of the unit is ensured if the green display under the switch of the handpiece is continuously lit during operation. The unit cannot be used if the Ultrasound tip is not inserted.

## emmi-pet PRO

### IMPORTANT:

The device works silently and without vibration so as not to frighten or unsettle the pet. To check that it is working correctly, the emmi-pet PRO vibrates for 1 second when it is switched on and off. The LED also lights up green continuously during operation. The unit cannot be used if the Ultrasound tip is not inserted.

## Acute inflammations of the gums

In case of acute problems, hold the bristles loosely on the concerned teeth and then directly on the gingiva. Leave them there for about 30 to 60 seconds. This allows you a quick and effective improvement. Prolonged use is not critical, since the Ultrasound is absolutely harmless.

## Preventing a bad smell from the mouth

Since the emmi®-pet Ultrasound reduces the bacteria on and in the gingiva, it also prevents the bad smell caused by living bacteria. It is effective for multiple hours.

## How the Emmi®-pet Ultrasound works

The dental and mouth care with Ultrasound is an efficient household method. The emmi®-pet functions differently from the traditional, manual, electric or sound toothbrushes using mechanical friction. The emmi®-pet applies the capabilities of modern Ultrasound technology. During the dental care with emmi®-pet, the cleansing is not produced by the usual «grinding» of traditional toothbrushes, but by soft Ultrasound. The application of soft Ultrasound is absolutely harmless for humans and animals, irrespective of age. Research has proven that ultrasound with a maximum output of 50 watt is harmless for humans and animals. The Ultrasound of the emmi®-pet uses only 0.2 Watt.

The positive effect and safety have been proven and confirmed by veterinary dentists and veterinarians.

The dental and mouth care with Ultrasound have been applied for years, without any side-effects.

Millions of Ultrasound waves are generated every minute by the patented Ultrasound chip in the brush head. The ultrasound waves are transmitted via each

bristle to the Ultrasound toothpaste, The supplied emmi®-pet ultrasonic toothpaste contains microscopic air bubbles (microbubbles) that have been enriched in an additional production step. The Goethe University of Frankfurt am Main has confirmed this. More than 3.5 million microbubbles were detected in a range of one mm<sup>3</sup>. The ultrasonic vibrations destroy the structure of the microbubbles and they collapse. This creates a suction effect that removes the biofilm and the plaque from the teeth. Afterwards we recommend brushing the bristles over the teeth to remove the loosened biofilm and the plaque from the tooth. All of this happens without your animal noticing it. The emmi®-pet is an Ultrasound unit for dental and mouth care in animals on the basis of the emmi®-dent Professional, which since 2009 has been supplied to hundreds of thousands satisfied customers worldwide.



The emmi®-pet ultrasound removes bacteria on and deep in the gums

## emmi®-pet ZA Ultrasonic Toothpaste for Animals

emmi®-pet Ultrasonic toothpaste especially developed for the needs of animals.

## emmi®-pet A1/A2 Ultrasonic Attachments

**Large Attachment** for big dogs and horses.

**Small Attachment** for small dogs and cats.

On hygienic grounds, a same attachment must not be used for several animals.

Replace the attachments every 3 months, because the Ultrasound softens the bristles after this period. When the bristles are softer, the Ultrasound transmission is reduced making the tooth cleansing less efficient. Spare attachments are available in the online shop [www.emmi-pet.com](http://www.emmi-pet.com)



## Battery Care and Disposal

The battery is contained in the watertight handpiece of the unit. After use, the handpiece is to be repositioned on the charging station. When it is fully charged, it can be used for approx. 10 days without recharging. If the complete daily cleansing time exceeds 10 minutes, recharge the batteries within a shorter period. Make sure that the batteries are never completely uncharged. In case the batteries have reached a critical level, when the unit is switched on, the green display will not light up but start blinking. In such case, recharge the unit immediately in order to avoid damages to the battery. Although the unit contains a special environment-friendly lithium battery, do not dispose it with the normal household waste. For disposal, community collection points as well as other containers are available (e.g. at all sale points for similar batteries).

