



USER GUIDE

CLEANY TEETH for dogs

The ultrasound toothbrush
for antibacterial and
gentle tooth cleaning
for your dog



WELCOME TO CLEANYTEETH

CleanyTeeth is state-of-the-art oral hygiene technology that performs better than manual toothbrushes, SONIC/electric/rotating brushes. With your CleanyTeeth ultrasound starter kit you achieve the most effective dental hygiene for your dog at home.



Ronny Ahlsleben
Dog Expert

CleanyTeeth cleans your dog's teeth and gums and protects from caries and inflammation in the gums. Cleaning is performed by ultrasound and a compatible cleaning gel. Ultrasound waves create a gentle air vibration. Every second, one million air oscillations flow through the bristles and the foam (created by the tooth brush gel). They can reach anywhere in the oral cavity; this means that ultrasound penetrates the gum tissue.

Ultrasound reaches the smallest spaces, crevices, cracks and gaps and cleans where conventional toothbrush bristles cannot reach. Ultrasound cleans without brush movement – thus it is extremely gentle and beneficial for sensitive teeth and gums. The enamel is especially protected against abrasion and the gums protected against irritation.

Medical studies conducted over several decades prove the antibacterial effect of ultrasound waves. CleanyTeeth was developed by German engineers and dentists and is manufactured in Germany.

Please tell us about your experiences using the Techmira products by e-mail or Facebook.

info@techmira.com | facebook.com/techmirainc

TABLE OF CONTENTS

Safety instructions – Please pay attention	4
CleanyTeeth Starter Kit	6
Warranty and disposal	7
CleanyTeeth Ultrasound advantage	8 – 10

Important functions of the CleanyTeeth toothbrush	11
Brushing teeth with CleanyTeeth	12
Using CleanyTeeth for the first time	14
How to charge CleanyTeeth batteries?	15
Meaning of the colored display via LED	16
Vibration-free operation	17

Changing the brush heads	18 – 19
CleanyTeeth Toothbrush Gel – without abrasive particles	20
CleanyTeeth for humans	21
Mira-Skin	22

CleanyTeeth Toothbrush Gel & Brush Heads (re)order	back
--	------

SAFETY INSTRUCTIONS – ATTENTION

The CleanyTeeth device is an electronic device.

Please pay attention to these instructions:

- Only use the device for the purpose described in this manual.
- The sole purpose of this device is to clean teeth, gums and tongue. Techmira AG accepts no liability for any damage that may occur in the event of improper use, and no liability is assumed for any damage that may occur. Guarantee for faultless and functional work of the components or the complete device.
- **⚠ In particular, never place or use the device on the eye, ear, adam apple or in the nostrils.**
- The CleanyTeeth toothbrush is a personal hygiene device. **The use is designed in such a way that one person changes the brush heads at intervals of approximately three months.** A daily change of brush heads for different persons in the household would possibly wear the toothbrush head more.
- If pain and / or bleeding (which are excessive or last longer than 1 week), irritation and / or discomfort or the like of the gums / teeth should occur in connection with the use of this device, stop. If you have any questions, please contact your dentist. Please let us know as soon as possible.
- **⚠ Electromagnetic fields (EMF):** CleanyTeeth meets all standards regarding electromagnetic fields (EMF). According to the latest scientific findings, the device is safe in use, provided it is used properly and in accordance with the instructions in this manual.

If you are wearing a pacemaker and have questions about using the device, please contact your doctor or the manufacturer of the pacemaker.

- **⚠** This device is not intended for use by persons (including children) with impaired physical, sensory or mental abilities or for lack of experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received instructions from them on how to use the device.
- Always hold the device firmly in your hand, as a fall to the ground can damage the device.
- Proper operation: The complete appliance may and should be held directly under running water for rinsing after use, so that it is rinsed off and shaken off immediately afterwards carefully from the residual water so that the toothbrush (especially the brush head) does not hit other objects.
- Do not place the unit in direct sunlight or on radiators.
- The device may only be operated indoors and at room temperature. Do not use the device outdoors or near hot surfaces, or keep the device away from hot surfaces during daily and long-term storage and when charging the battery/rechargeable battery.
- Keep the device on a dry and non-slip surface for daily and long-term storage and always when charging the battery/rechargeable battery. Please make sure that the toothbrush does not fall into water-filled containers (e.g. bathtub, shower cubicle, washbasin) or onto the hard floor (down). Please do not use the toothbrush in the shower.
- Do not use flammable or aggressive chemicals and/or substances (e.g. acids) to clean the unit itself (only externally). Only mild cleaning agents are used.
- Splash water protection: The device complies with IP43 class.

CLEANYTEETH STARTER-KIT

Your CleanyTeeth starter kit includes:

- ultrasound handpiece
- 2 x toothbrush head single
- 1 x triple toothbrush head
- dog-friendly ultrasound tooth brush gel
- USB charging cable

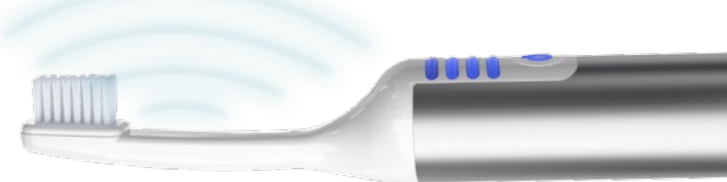
 Designed and Made in Germany



Waterproof lid with USB interface.
Merge before first use.

Fastest tooth cleaning due to large range of action of ultrasound

With CleanyTeeth, ultrasound has a broad range of action (*wide-space effect*). The width of the effective area clearly exceeds the actual bristle area (3 times wider than the brush head and radiates the ultrasound in ellipsoid-like, three-dimensional form, whose effective length is about 65 - 70 mm. CleanyTeeth cleans much faster than other toothbrushes.



WARRANTY AND DISPOSAL

The Cleany Teeth device is covered by a warranty of 24 months after purchase. If the unit does not function properly, please contact customer service by phone: +41 78 668 6000 or via email:

service@techmira.com. The device does not require any maintenance or inspection.

Never open the device, as this could damage the electronics and the warranty expires. Consult with a CleanyTeeth employee if you have any questions.



Your CleanyTeeth has been developed and manufactured from high-quality materials and the best components that can be recycled.



If the symbol of a crossed-out wheeled waste bin is attached to a product, the product falls under the European Directive 2012 / 19 / EU. Please inform yourself about the local collection points for electrical and electronic products. Follow local regulations and dispose of your old cosmetic products with normal household waste. Correct disposal helps to avoid possible negative effects on the environment and human health.

Your CleanyTeeth ultrasound device contains batteries that must be disposed of in accordance with the European Directive 2013 / 56 / EU.



They must not be disposed of with normal household waste. Please dispose of the device including the battery in accordance with local regulations for the disposal of small electrical appliances. Correct disposal helps to avoid negative effects on the environment and health.

If you have any questions regarding correct disposal, please contact our customer service at **service@techmira.com**.

CLEANY TEETH ULTRASOUND ADVANTAGE

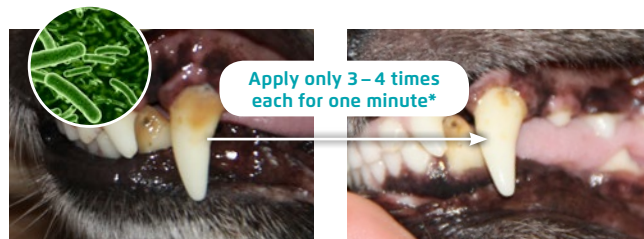
80% of all dogs aged 3 years or more encounter teeth or gum problems

Cleany Teeth provides the following advantages:

- fast and highly efficient, antibacterial deep clean
- tooth cleaning and tartar removal **without anaesthetic risk**
- new plaque and tartar formation is prevented
- cleans without movement, vibration or noise – a benefit for sensitive teeth and gums
- **cleans where bristles cannot reach** (e.g. gum pockets, interdental spaces, deep fissures)
- improves blood circulation and lymph flow
- lessens abrasion damage to teeth and lessens irritation of the gums caused by abrasive particles in toothpaste not recommended by Cleany Teeth
- ultrasound promotes wound healing and regeneration
- the **antibacterial effect of ultrasound** eliminates pathogenic bacteria on the teeth, on the gums and **especially in the gum pockets** (where periodontal germs multiply)
- reduces and prevents unpleasant mouth odor and caries
- enables the immune system to focus on areas other than oral
- dental hygiene is performed at home in your dog's familiar environment
- gentle dental hygiene for teeth and gums
- **real weekly prophylaxis**, no long intervals such as cleaning your dog's teeth at the vet once a year

CLEANY TEETH ULTRASOUND ADVANTAGE

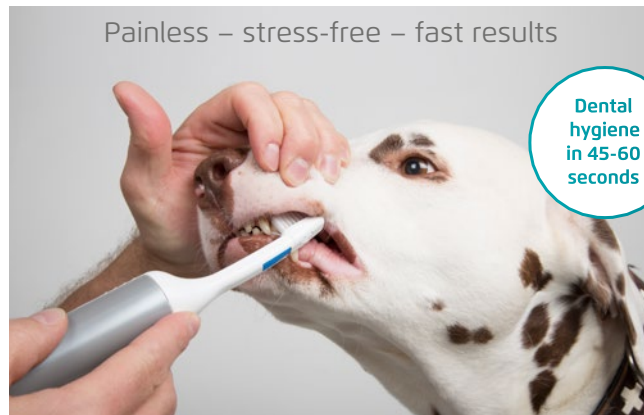
Cleany Teeth removes tartar with ultrasound and cleans deep into the gums reducing bacteria:



BEFORE – moderate tartar and highly inflamed, swollen gums

AFTER – dental tartar reduction, inflammation reduced or healed

*typical application, duration may vary from dog to dog.



CLEANYTEETH ULTRASOUND ADVANTAGE

Effective protection for every dog



For medium and large dogs
three-side head
 (one unit included)

Cleans all teeth surfaces at the same time in one pass



For small dogs
Single head
 (two units included)

For small teeth bristles can be shortened or cut with a sharp tool as required.



IMPORTANT FUNCTIONS OF THE CLEANYTEETH TOOTHBRUSH

replaceable three-sided head:
 change every 3 months
 (see page 18)

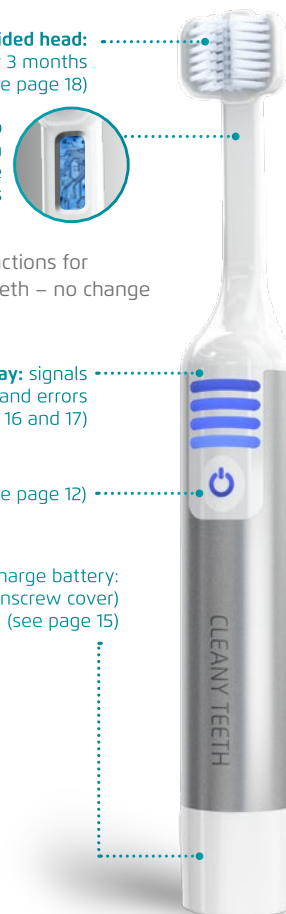
A special **ultrasound chip** (piezo chip) invisibly housed in the neck produces the gentle ultrasound waves

The piezo chip in the neck functions for the entire life of the CleanyTeeth – no change is required.

LED display: signals operation, battery charging, and errors
 (see pages 16 and 17)

On / Off switch (see page 12)

USB port to the charge battery:
 (first unscrew cover)
 (see page 15)



CLEANING TEETH WITH CLEANYTEETH

1. Turn on the unit (press the ON switch twice in rapid succession in order to activate silent vibration-free mode); one click = vibration-mode two clicks = silent mode



2. Disinfection and moistening of the brush head and neck

To disinfect the brush, switch on the device and rinse under slowly running water for about 3 seconds. Ultrasound has a disinfecting effect.



3. Use ultrasound tooth brush gel

Apply about one centimeter/half-inch of the ultrasound toothbrush gel to the brush head. The special ultrasound gel supports ultrasound by forming billions of tiny bubbles that destroy and remove bacteria with other deposits.



4. Distribute gel onto tooth surfaces (front, back and chewing surface) before you start the actual cleaning.



5. Tooth Cleaning

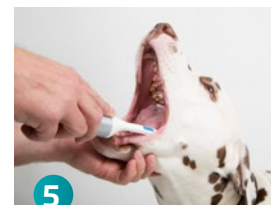
With the device running, place the brush head on each tooth surface for 2-3 seconds to clean them (front and back, chewing surface), then move to the next tooth. **Do not** apply pressure to the teeth with the brush head.

You should moisten the brush head or the dog's mouth, because water assists the transmission of ultrasound.

Repeat the steps until all teeth have been cleaned. If you want to brush, that is no problem. **With a single brush head you will be able to finish in 60 seconds and with a three-sided brush head in 30 seconds.**

Foam between the bristles is perfect for ultrasound transmission and thus for cleaning results.

Cleaning the tongue: Simply place the brush head in the centre of the tongue for 3 seconds.



Cleaning times:
2-3 seconds per tooth surface.

Areas with a lot of tartar or inflamed gums require extended time to clean. Extend cleaning to 5-6 seconds.

6. Rinse, disinfect and switch off the device.

After cleaning, give the dog some water to drink. To disinfect your the brush, hold brush head under slowly running water for 3 seconds with the device running. Then switch off the unit.



USING CLEANYTEETH FOR THE FIRST TIME

The CleanyTeeth toothbrush is intended for your dog, in the case of several dogs we recommend the purchase of one device per dog for hygienic reasons.

The brush heads and neck are designed so that they should be changed every three months. It is not intended to change the head constantly – this would eventually weaken the neck.

The CleanyTeeth's battery has been pre-charged at the factory, so you can use the device immediately out of the box.

Charging the CleanyTeeth ultrasound unit

To charge the CleanyTeeth device, connect it with the charging cable to any USB charger. You can use the charger of your smartphone (e.g. iPhone, iPad or Android) or the USB output of your laptop computer.

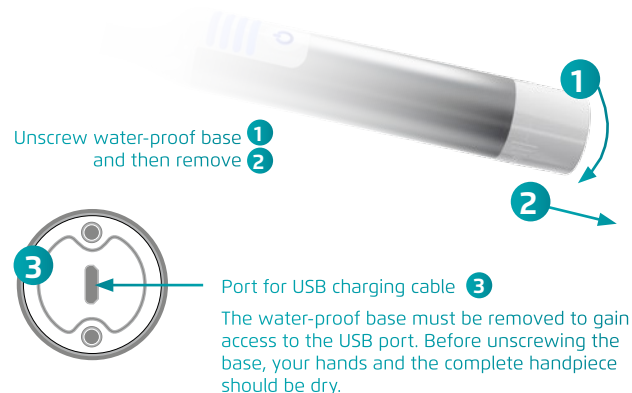
When charging, the yellow LED flickers on and off. As soon as the battery is fully charged, the green LED lights up permanently as long as the micro-USB plug of the charger is connected to the charging socket of the toothbrush (see pages 15 and 17).

Switching the unit on and off

Press the on/off switch once to turn on the unit (in vibration mode), **press the ON/OFF switch twice rapidly to enable the vibration-free mode of CleanyTeeth**. The blue LED light goes on; it indicates that the device is on and working correctly (= ultrasound is generated). The hand piece starts to vibrate. For safety reasons, the unit switches itself off after three minutes. You can turn it on again for another three minutes.

- Press the switch again to deactivate the device.
- If the yellow LED flashes, you should charge the CleanyTeeth to continue using it.
- Blue light signals that ultrasound is generated.
- **Timer:** The device signals the cleaning time after 60 and 120 seconds by vibration and LED signals.

HOW DO I CHARGE THE BATTERIES?



4 After charging reattach the base.

It takes an average of four to eight hours to fully charge the battery. With a fully charged battery, the device operates for an average of one month if used twice a day.

CHARGING VIA USB PORT

⚠ Almost all chargers / power supplies of mobile phones and smart-phones (e.g. iPhone or Android) and tablet computers with micro USB are suitable..

The charger / power supply must have an output voltage of 5 volts DC and be able to supply 1 ampere (1A) or more current. For your own safety, make sure that the charger/power supply used complies with the SELV standard (indicated by the printed symbols or) other than the above, must NOT be used.

EXPLANATION OF THE COLOR DISPLAY (LED)

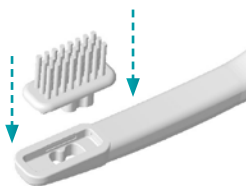
Exit	Operating mode 2	Operating mode 1	Colour	Function (status)	Definition
			Device in operation:		
			blue	Switch on the device, Briefly press the on/off switch once = blue LED lights up during operation.	ON switch pressed once: Simultaneous ultrasound operation, vibration is switched on.
			blue	When switching on in fast Sequence 2 times short tap the switch one after the other. Blue LED is on.	On switch 2x short one after the other: Pure ultrasound Operation, vibration is is switched off.
			blue	Switching off manually: The blue LED goes out.	Switch on again button.
			green gleaming	Responds after 60 seconds and 120 seconds (plus short vibration).	timepieces
			blue	Automatic shutdown after three minutes: The blue LED flashes briefly 3 times, and the 3 times short buzzer sounds simultane- ously.	The unit switches off automatically after 3 minutes completely off.
			red	In the event of a technical fault, the red LED flashes or lights up continuously. Switch off the unit if it has not already switched itself off. At the same time, six short buzzing tones sound.	Allow the unit to rest for 20 minutes, and then restart the system.

LED colour	Function (status)	Definition
Charge the battery:		
amber pulsating	The unit is connected to the charger and the built-in battery is charged.	Wait until the unit is fully charged.
green	Green LED lights up.	The device is full charged.
amber gleaming	The battery is dead, please Charge the battery. Short buzzing tones will sound.	
none	The unit is switched off.	

CHANGING THE BRUSH HEADS

Recommendation: Please replace the brush head every three months. Even if the bristles do not look worn or bent, the cleaning effect gets worse with use.

Install

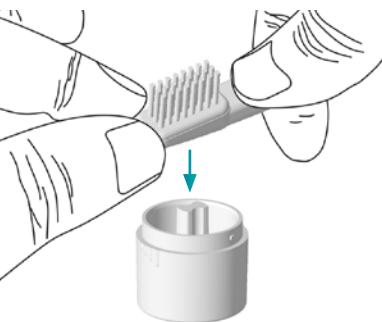


Push the brush head into the cradle



...until it snaps into place.

Remove



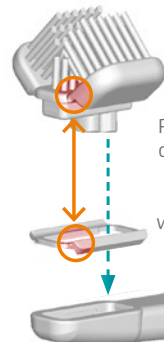
Use the inner tool of the water-proof to push the brush head out of the cradle...



... without applying great force.

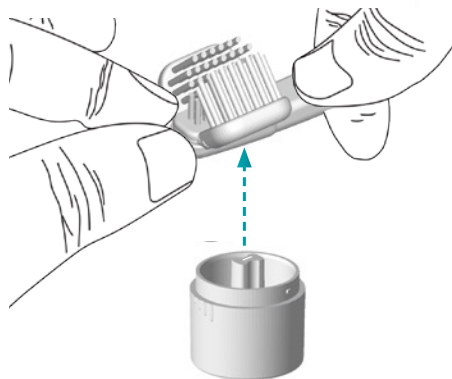
CLEANYTEETH THREE-SIDED HEAD

Install



Place washer onto bottom of three-sided brush head, so that washer cradles brush head. Then install with washer onto cradle of device.

Remove



Use the inner tool of the water-proof base to push the brush head out of the cradle.

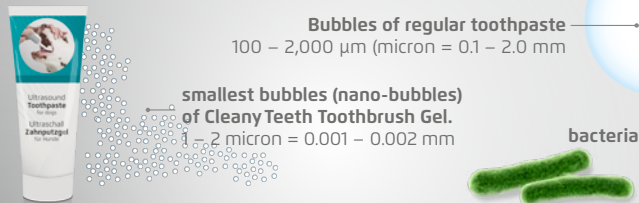
CLEANYTEETH TOOTHBRUSH GEL – WITHOUT ABRASIVE PARTICLES



Cleans gently and thoroughly with billions of nano bubbles. Techmira's research team has perfected tooth cleaning with its symbiotic CleanyTeeth tooth brush gel. This gel differs from normal toothpaste, **because it doesn't contain any abrasive particles.** These particles are not required for cleaning with ultrasound. The lack of abrasives prevents abrasion of the tooth enamel during cleaning. This is a big problem when brushing with electric rotating sonic toothbrushes (known as over-brushing): brushing too long and too strong with too much pressure. Over time, the bristles rub the enamel off the teeth and irritate the gums with each use. Enamel doesn't grow back.

The use of the specially formulated CleanyTeeth tooth brush gel is essential for a perfect cleaning. Conventional toothpaste does not produce any of the nano bubbles. Special active ingredients in Techmira's formula ensure optimal ultrasound transmission. As soon as ultrasound hits the foam in the mouth, billions of nano bubbles are produced every millisecond. The bubbles cavitate and implode. They are extremely agile and reach everywhere in the mouth, even into the finest cracks between the teeth and in gum pockets.

ULTRASOUND TOOTH BRUSH GEL FOR DOGS WITH NANO-BUBBLES



The nano bubbles are small enough to pierce and destroy the bacteria. Ultrasound air vibrations disrupt bacteria walls. For comparison: A human hair is about 150 times thicker than a nano bubble.

ADVANCED ORAL HYGIENE WITH A GENTLE PROCESS



CLEANY TEETH

The toothbrush with gentle antibacterial deep cleaning and whitening

Mira-Teeth ultrasound effectively cleans and reduces damaging bacteria everywhere on the teeth and inside the gum pockets.

ULTRASOUND
for antibacterial
and gentle
oral care



ANTI-AGING WITH HYALURON AND ULTRASOUND

Mira-Skin Hyaluronic-Serum and Mira-Skin Ultrasound

- reduce the wrinkles
- increase the skin hydration
- improve the elasticity
- smooth the skin



Mira-Skin Starter Kit

- Mira-Skin Ultrasound Device
- Mira-Skin Ultrasound Gel, 50 ml
- Mira-Skin Hyaluronic Serum, 15 ml
- USB-Charging Cable



mira-skin.com

mira-skin

REORDERING



spare brushes

(every three months to
change = 12 months' supply)

Cleany Teeth Toothbrush Gel

(about one tube per quarter)



Go there to reorder:

techmira.com

CLEANY TEETH

for dogs

Developer & Manufacturer:

Technira AG | Afondo Office | Kirschgartenstr. 7 | 4051 Basel | Schweiz
Tel. +41 78 6686000 | E-Mail: info@techmira.com