

CITIZEN

Sonic Electric Toothbrush

**EHS552**

User Manual

For home use



- Read this manual carefully before use.
- Be sure to keep this manual at hand always during use.

# Safety Instructions

Read these instructions carefully before use.



**Warning**

Indicates a potentially hazardous situation which may result in a fatal accident or serious injury.



**Caution**

Indicates a potentially hazardous situation which may result in a physical injury or property damage\*.

\* Property damage refers to extended damage to buildings, household goods, livestock or pets.



## **Warning**

- **Keep out of reach of children. Also, do not let children use the device unattended.**
  - ※ Do not use this device on infants under the age of 3 years.
  - There is a risk of injury. Should you accidentally swallow a brush, get medical attention immediately.
- **Consult with a dentist before use. In case of any of the following conditions, do not use the device:**
  - If concerned about sensitive mouth and teeth.
  - Immediately after undergoing or in the middle of an intraoral surgery or periodontal surgery.
  - An intraoral symptom is observed (i.e. dental treatment in progress or wearing unstable dentures).
  - Blood coming from gums or severe bleeding.- The wound may get worse or there is a risk of injury.
- **Stop using the device immediately if you feel get unwell using it.**

There is a risk of, an accident or becoming unwell.
- **Never disassemble, modify or repair the device unless you are going to dispose of it.**

→ There is a risk of, a fire, electrical shock or injury.

- **Do not put the device into fire or heat it.**

→ There is a risk of, overheating, heat buildup or explosion.

- **If any implantable medical device such as a pacemaker is placed into your body, consult your doctor or the manufacturer of such device before using the device.**

- **Do not use the battery charging stand in a place like the bathroom or the like, where it may be exposed to water. Also, do not drop the battery charging stand in water or liquid.**

→ There is a risk of, an electrical shock or failure.

- **Stop using the device in case of abnormality or failure.**

→ There is a risk of, a fire, electrical shock or injury.



### **Caution**

- **This device should be used exclusively for the purposes specified in this manual. Do not use this device for any purposes other than your oral care.**

- **Do not use this device on any person, including infants, who cannot express their intention.**

→ There is a risk of, an accident or trouble.

- **Do not press the brush strongly against teeth or gums. Also, do not brush the same part of teeth continuously for a long time.**

→ There is a risk of, causing damage to teeth or gums.

- **Do not use any dilution agent, benzene or alcohol.**

→ Parts failure, cracks or discoloring may occur.

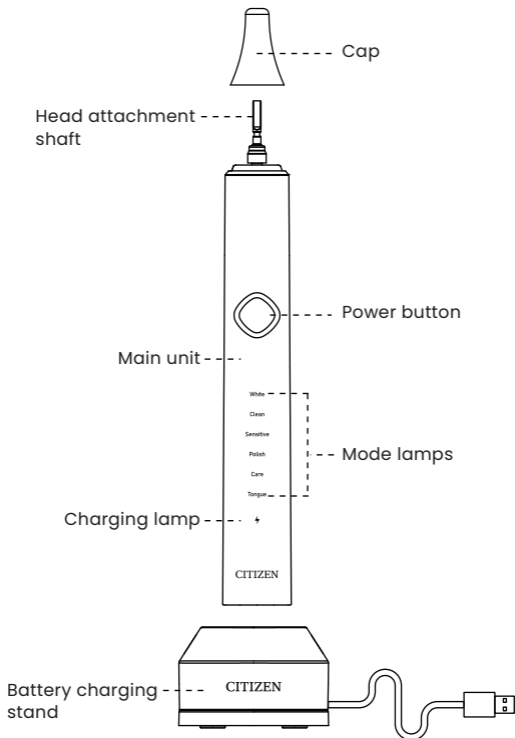
- **Do not press the button with your nail.**

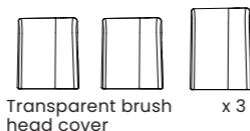
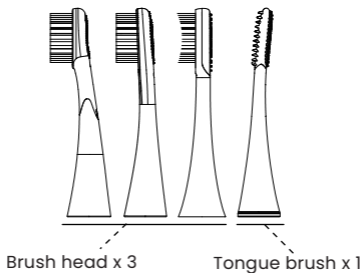
→ The button cover may be damaged.

- Do not drop the device or give it a strong impact.  
Stop using the device immediately if it is broken.  
→ There is a risk of injury or failure.
- The main unit and battery charging stand are exclusively for indoor use.  
Do not expose the device to high temperatures or direct sunlight.
- Always use CITIZEN brand brush replacement heads for best results.  
**NEVER USE A BATTERY CHARGING STAND OTHER THAN CITIZEN BRAND CHARGING STAND INTENDED FOR THIS DEVICE.**  
→ The battery may overheat or catch on fire, thereby resulting in electrical shock or failure.
- Be sure to use toothpaste not containing dental abrasives.  
By using toothpaste containing dental abrasives (for stain removal, whitening and the like), teeth or gums may be damaged. To use dental abrasives, consult a dentist before use.
- Do not share a brush head with your family or somebody else.  
→ An infectious or inflammatory disease may occur.
- Unplug the USB cable when not charging the battery.  
→ An electrical shock or fire from a short circuit may occur due to insulation aging.
- To prevent the battery from deteriorating, charge it at least every 6 months even if not using the device for a long time.
- The device is exclusively for humans.  
→ There is a risk of an accident or trouble.

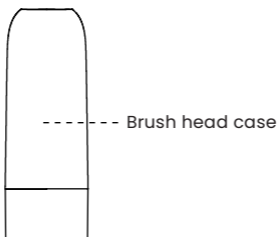
# Main unit and accessories

Unpack and check that all of the following items are included.





※ A cover is attached to each brush head. Its size depends on the type of brush head.



※ Upon delivery, this case contains only the tongue brush. But other brush heads can also be stored in this case.

# Battery charging

The battery should be charged completely: (1) when using the device for the first time; (2) if the device has not been used for 6 months or more; or (3) if the device stops working during use. Immediately after the start of charging, the charging lamp may remain unlit for a few minutes. This symptom is due to the lack of battery power.

## **1** Connect the battery charging stand to the USB port (Type-A).

- Any USB power adapter does not come with the device.
- 5V 0.3A is the minimum requirement.
- A USB connection AC adapter is also usable.
- Rapid charging is not feasible.

## **2** Place the main unit on the battery charging stand.

- While the battery charging is in progress, the ⚡ mark is lit in red. When the battery charging is complete, the charging lamp is unlit and the charging process stops automatically. (Approx. 16 hours)
- The device uses the wireless charging method. Therefore, the battery is charged just by placing the main unit on the battery charging stand.
- While the battery is being charged, the power button is inactive. Enable the power button by taking the main unit out of the battery charging stand.
- By placing the main unit on the battery charging stand with the power button turned on, the main unit stops working and enters the charging status.

- After use, if the remaining battery life is short, the charging lamp will blink or the power button will be inactive. In such a case, charge the device.

### **Charging time**

- The battery life is shortened over time with each charging.
- The battery is NOT replaceable. When the battery's durable life ends, dispose of the battery and the main unit. (Refer to the section "Disposal.")

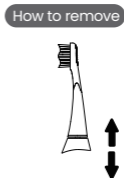
# How to use

## 1 Remove the cap and attach a brush to the main unit.

There is a slight clearance gap between the brush head and the main unit.



Remove the cap, align the front of the brush with the front of the main unit and insert the head attachment shaft firmly into the brush head.



Holding the main unit firmly, remove the brush head by pulling it up directly.

## 2 Wet the brush bristles and put a small amount of toothpaste on them.

## 3 Put the brush into your mouth and turn on the power button.

(To prevent water and toothpaste from flying.)

Select your favorite mode. (Refer to the next page.)

- To change the mode, press the power button repeatedly within 3 seconds after turning it on.
- If you hold the power button for 2 seconds or more without changing the mode, the toothbrush will stop.
- By turning on the power button after it stops, it will restart in the previously selected mode.

#### **4 Turn off the power button once you finish brushing your teeth.**

- The toothbrush will turn off automatically after 2 minutes without use. The "Care" mode exits after 3 minutes. To continue in the "Care" mode, press the power button again.
- To turn the power off, just press the power button once.
- If the remaining battery life is short, the charging lamp will blink when the power is turned off.

#### **Brushing time alarms**

For each tooth brushing session, the brush head stops vibrating approx. every 30 seconds to advise you to change the brushing area.

Being aware of the recommended brushing time for upper, lower, right and left teeth, your teeth can be brushed effectively.

As the recommended brushing time is 2 minutes, the brush head will stop automatically in about 2 minutes.

※ In the "Care" mode, the brush head halts vibrations approx. every 45 seconds and automatically stops in about 3 minutes.

#### **6 modes and number of vibrations**

##### **■ "White" mode (Approx. 31,000 vibrations/minute)**

This mode is for removing off stains.

##### **■ "Clean" mode (Approx. 33,000 vibrations/minute)**

This mode is for brushing carefully periodontal pockets, between teeth and other small gaps.

■ **"Sensitive" mode**

**(Approx. 31,000 vibrations/minute)**

This mode is for gently brushing gums or using Sonic Electric Toothbrush for the first time.

■ **"Polish" mode**

**(Approx. 31,000 to 42,000 vibrations/minute)**

This mode is for brushing front teeth.

■ **"Care" mode**

**(Approx. 31,000 vibrations/minute)**

This mode is for gently caring gums. In this mode, the intensity of vibrations slightly changes every one second.

■ **"Tongue" mode**

**(Approx. 26,000 vibrations/minute)**

This mode is for tongue cleaning.

※ Data provided on vibrations is based on our own research.

### Tips for brushing

- Gently place the brush head between teeth and gums at an angle.
- Let the toothbrush vibrate in one place, and then move accordingly to clean all areas. By approaching the reverse and occlusal surfaces of teeth as well as behind back teeth, move the toothbrush along gums. There is no need to press the brush head strongly against teeth or gums.



# Maintenance

## **After using the device, clean it carefully.**

- If it is significantly dirty, do the rinsing entirely and wipe up water with a dry cloth.
- Do not use alcohol for disinfection.

### Main unit

- Remove the brush head from the main unit, clean the main unit with a wet cloth and then let it dry naturally.
- The device conforms to the IPX7 water resistance standard. However, soaking it in water for a long time voids the warranty.

### Battery charging stand

- Clean the battery charging stand with a soft, wet cloth and then let it dry naturally.
- Do not soak the battery charging stand in water.

### Brush heads

- Wash brush heads each time after use and let air dry.
- To avoid deforming them, do not pull or press brush bristles.
- Brush heads should be replaced at least every 3 months for sanitary reasons. If brush head bristles are worn or damaged before 3 months, the head should be replaced. Replacement heads are sold separately through your local distributor.

# Troubleshooting

Problems	Possible causes	Measures
<ul style="list-style-type: none"><li>• Vibrations are weak.</li></ul>	<ul style="list-style-type: none"><li>• The brush head is pressed too hard against teeth or gums.</li></ul>	<ul style="list-style-type: none"><li>• Press the brush head gently against teeth and gums.</li></ul>
<ul style="list-style-type: none"><li>• The battery cannot be charged.</li><li>• The battery dies quickly.</li></ul>	<ul style="list-style-type: none"><li>• The main unit, USB cable or USB power adapter is not connected correctly.</li><li>• The remaining battery life is reduced.</li></ul>	<ul style="list-style-type: none"><li>• Check the connection when charging the battery.</li><li>• Extend the charging time.</li></ul>
<ul style="list-style-type: none"><li>• The main unit does not work.</li></ul>	<ul style="list-style-type: none"><li>• The main unit, USB cable or USB power adapter is not connected correctly.</li><li>• The remaining battery life is reduced.</li></ul>	<ul style="list-style-type: none"><li>• Check that the main unit is connected correctly when charging the battery.</li><li>• Extend the charging time.</li><li>• The battery is not replaceable. When the battery's durable life expires, dispose of the battery and the main unit.</li><li>• If the main unit does not work after troubleshooting, please contact your local distributor.</li></ul>

# Disposal

## Recycling of lithium-ion batteries

- The lithium-ion battery is recyclable.
- When disposing of the device, remove the battery for recycling in accordance with local laws and ordinances.

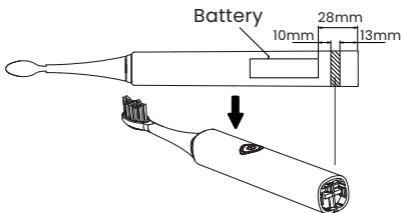
This device and old batteries removed from it must be disposed of in accordance with the rules and regulations of your community.

## How to remove the battery

**These are not procedures for repair. Once you disassemble the main unit, it is irreparable.**

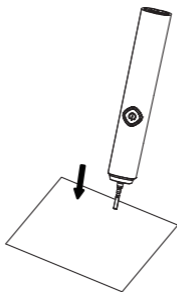
**Be sure to take necessary measure by checking that the battery is completely consumed and the main unit does not work any longer by pressing the power button.**

- By protecting your eyes, hands, fingers and the like, take essential safety measures to stay safe and avoid injuries.
- ❶ By using a saw or other tool, cut the main unit along the part with diagonal lines.

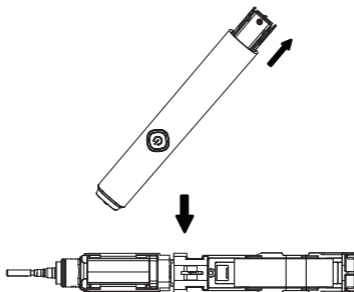


- ② Remove the brush head from the main unit and press the head attachment shaft firmly against a hard, flat surface such as a table.

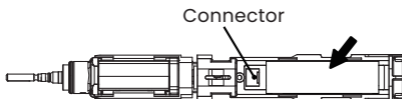
The head attachment shaft is pushed into the main unit and the socket comes out. Be careful not to damage the table or the like.



- ③ Take out the socket.



- ④ After taking out the socket, remove the transparent tape indicated with an arrow.



- ⑤ After removing the transparent tape, remove the white connector and take the battery out of the socket.
- **When disposing of the device and the removed old battery, observe the rules and regulations of your community.**
  - The  $\oplus \ominus$  terminals of the removed battery should be covered with adhesive tape to prevent short circuit.
  - Be careful enough not to burn yourself due to liquid leakage or heat of the battery.
  - Be careful enough not to get hurt by disassembled parts or components.
  - Be careful enough not to let children accidentally swallow small parts or components of the product.

# Brush heads

The unit includes 4 brush heads.

For best results, select the appropriate brush head.

For comprehensive oral care...



## **SP552BA**

- With the 3D shape, teeth can be approached from all directions.
- This head is recommended when using Sonic Electric Toothbrush for the first time.

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Color of bristles: green, yellow and transparent

If concerned about the aging of gums...



## **SP552BB**

- The bristles with thin tips reach between teeth and periodontal pockets gently to remove stains.
- Select this type if concerned about a gum disease or hypersensitivity and needing fine care.

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Color of bristles: dark gray

To effectively remove dental plaque...



**SP552BC**

- This brush is effective on rough tooth surfaces.
- As the area in contact with teeth is large, teeth can be brushed efficiently.

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Color of bristles: white and blue

To keep your tongue clean...



**SP552TA**

- Flexible shapes gently will fit your tongue. Recommended for preventing bad breath.
- The point pattern surface and the line pattern surface are available for brushing.
- Use this brush in the "Tongue" mode.

# Specifications

Product name	Sonic Electric Toothbrush
Model	EHS552
Recommended use temperature	0°C to 50°C
Use period	Approx. 25 days (if used 2 times a day, for 2 minutes each)
Charging time	Approx. 16 hours
Charging environment	5°C to 40°C
Rated operating voltage	DC 3.7 V
Rated input voltage	DC 5 V
Rated input power	1.5 W
Discharge cutoff voltage	3.05 V
Battery capacity	Lithium-ion battery 700mAh
Number of vibrations	A maximum of approx. 42,000 vibrations/minute (according to our own research)
Waterproof rating	IPX7
Dimensions	25.9 x 25.7 x 191.5mm (without a brush)
Weight	Approx. 96g (without a brush)
Materials	Main unit: ABS resin/ Brush: ABS resin, nylon and TPE/ Battery charging stand: ABS resin and PC
Accessories	Battery charging stand (USB cable), brush head x 3, tongue brush x 1, User Manual

USB power adapter not included.

- CITIZEN is a registered trademark of Citizen Watch Co., Ltd. Japan.
  - Corporate names, product names and service names indicated in the device and our services are generally trademarks and registered trademarks owned by the relevant companies.
  - Design and specification are subject to change without notice.
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