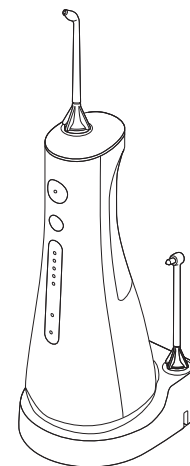


# Panasonic®

Operating Instructions  
(Household use) Oral Irrigator  
Model No. EW1513

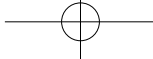
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Thank you for purchasing this Panasonic product.

**Before operating this unit, please read these instructions completely and save them for future use.**



## Safety precautions

English

To reduce the risk of injury, loss of life, electric shock, fire, and damage to property, always observe the following safety precautions.

### Explanation of symbols

The following symbols are used to classify and describe the level of hazard, injury, and property damage caused when the denotation is disregarded and improper use is performed.



# DANGER

Denotes a potential hazard that will result in serious injury or death.



# WARNING

Denotes a potential hazard that could result in serious injury or death.



# CAUTION

Denotes a hazard that could result in minor injury or property damage.

The following symbols are used to classify and describe types of instructions to be observed.



This symbol is used to alert users to a specific operating procedure that must not be performed.



This symbol is used to alert users to a specific operating procedure that must be followed in order to operate the unit safely.



## WARNING

### ► Preventing accidents

**Do not store within the reach of children or infants. Do not let them use it.**



- Doing so may cause an accident or injury due to accidental ingestion of removable parts.

### ► Power supply

**Do not connect or disconnect the adaptor or the appliance plug to a household outlet with a wet hand.**



- Doing so may cause electric shock or injury.

**Do not immerse the AC adaptor and the charging stand in water or wash it with water.**



- Doing so may cause electric shock or fire due to a short circuit.

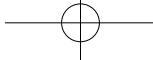
**Do not place the AC adaptor and the charging stand over or near water filled sink or bathtub.**

**Do not use when the AC adaptor is damaged or when the fitting into the household outlet is loose.**




**Do not damage, modify, forcefully bend, pull, twist, or bundle the cord. Also, do not place anything heavy on or pinch the cord.**

- Doing so may cause electric shock or fire due to a short circuit.




## **WARNING**


**Do not use in a way exceeding the rating of the household outlet or the wiring.**

-  - Exceeding the rating by connecting too many power plugs to one household outlet may cause fire due to overheating.


**Do not use anything other than the supplied AC adaptor for any purpose. Also, do not use any other product with the AC adaptor.**

-  (See page 7.)  
- Doing so may cause burn or fire due to a short circuit.

**Always ensure the appliance is operated on an electric power source matched to the rated voltage indicated on the AC adaptor. Fully insert the adaptor.**

-  - Failure to do so may cause fire or electric shock.

**The supply cord cannot be replaced. If the cord is damaged, the AC adaptor should be scrapped.**


-  - Failure to do so may cause an accident or injury.

### ► In case of an abnormality or malfunction

**Immediately stop using and remove the AC adaptor if there is an abnormality or malfunction.**


- Failure to do so may cause fire, electric shock or injury.

**<Abnormality or malfunction cases>**


-  • The main unit, adaptor, charging stand or cord is deformed or abnormally hot.
- The main unit, adaptor, charging stand or cord smells of burning.
- There is abnormal sound during use or charging of the main unit.
- Immediately request inspection or repair to an authorized service centre.

### ► This product


**This product has a built-in rechargeable battery. Do not throw into fire or apply heat. Do not charge, use or leave in high temperature environment.**

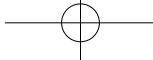
-  - Doing so may cause overheating, ignition, or explosion of the built-in rechargeable battery.

**Do not modify or repair.**

-  - Doing so may cause fire, electric shock, or injury.
- Contact an authorized service centre for repair (battery change, etc.).

**Never disassemble except when disposing of the product.**

-  - Doing so may cause fire, electric shock, or injury.



## WARNING

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

- Failure to do so may cause an accident or injury.

### ► Cleaning

**Always unplug the adaptor from a household outlet when cleaning the AC adaptor and the charging stand.**

- Failure to do so may cause electric shock or injury.

**Regularly clean the power plug and the appliance plug to prevent dust from accumulating.**

- Failure to do so may cause fire due to insulation failure caused by humidity. Disconnect the adaptor and wipe with a dry cloth.



## CAUTION

### ► Preventing damage to teeth and gums

People who are unable to operate should not use this appliance.



People with weak oral senses should not use this appliance.

- Doing so may cause injury or damage to teeth and gums.

People who may have periodontal disease, or concerned about symptoms within their mouth should consult a dentist before use.

- Failure to do so may cause injury or damage to teeth and gums.

### ► This product

**Never use for a purpose other than oral cleaning.**



- Doing so may cause an accident or injury when the stream of water is pointed toward the eyes, nose, ears, tongue, or throat.

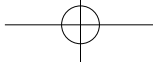
**Do not fill the tank with water warmer than 40 °C.**

- Doing so may cause burns.

**Do not share nozzle with your family or other people.**



- Doing so may cause infection or inflammation.



## CAUTION

**Do not place a metallic object such as a coin or a clip on top of the charging stand.**



- Doing so may cause burns due to excessive heat.

### ► Note the following precautions

**Do not allow metal objects or trash to adhere to the charging plug, the power plug or the appliance plug.**



- Doing so may cause electric shock or fire due to a short circuit.

**Do not drop or subject to shock.**



- Doing so may cause injury.

**Do not wrap the cord around the adaptor or the charging stand when storing.**



- Doing so may cause the wire in the cord to break with the load, and may cause fire due to a short circuit.

**Disconnect the adaptor from the household outlet when not charging.**



- Failure to do so may cause electric shock or fire due to electrical leakage resulting from insulation deterioration.

**Disconnect the adaptor or the appliance plug by holding onto it instead of the cord.**



- Failure to do so may cause electric shock or fire due to a short circuit.

**After use, clean the main unit and the nozzle and dry them.**



- Failure to do so may cause damage to your health due to propagation of mold and bacteria.

### Handling of the removed battery when disposing

## DANGER

**The rechargeable battery is exclusively for use with this appliance. Do not use the battery with other products.**

**Do not charge the battery after it has been removed from the product.**

**Do not throw into fire or apply heat.**

**Do not hit, disassemble, modify, or puncture with a nail.**

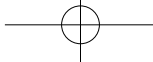
**Do not let the positive and negative terminals of the battery get in contact with each other through metallic objects.**



**Do not carry or store the battery together with metallic jewellery such as necklaces and hairpins.**

**Do not use or leave the battery where it will be exposed to high temperatures, such as under direct sunlight or near other sources of heat. Never peel off the tube.**

- Doing so may cause overheating, ignition, or explosion.



## WARNING

**After removing the rechargeable battery, do not keep it within reach of children and infants.**



- The battery will harm the body if accidentally swallowed.

If this happens, consult a physician immediately.

**If the battery fluid leaks out and comes in contact with the eyes, do not rub the eyes, and thoroughly rinse with clean water, such as tap water.**



- Failure to do so may cause eye injury.

Consult a physician immediately.



## CAUTION

**If the battery fluid leaks out and comes in contact with the skin or clothes, rinse off with clean water, such as tap water.**



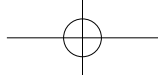
- Failure to do so may cause inflammation.

## Intended use

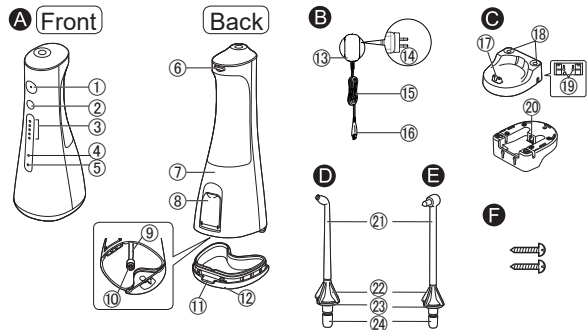
- When you first begin using the oral irrigator, you may experience slight bleeding of the gums even though your gums may be healthy. This is because your gums are receiving stimulation by the oral irrigator for the first time. The bleeding should stop after one or two weeks of use. Bleeding that persists for more than two weeks may be indication of an abnormal condition of your gums, such as periodontal disease. In this case, stop using the oral irrigator and consult your dentist.
- Do not put salt, mouthwash or other chemicals into the water tank. Doing so may cause malfunction.
- Do not dry the main unit with a dryer or a fan heater. Doing so may cause malfunction or deformation of the parts.
- Oral irrigators shall be used only with cold or warm water, or specific solutions as defined in the manufacturer's instructions.
- Children shall not play with the appliance.
- Store the appliance in a place with low humidity after use. Leaving the appliance in a bathroom may cause malfunction.
- The following symbol indicates that a specific detachable power supply unit is required for connecting the electrical appliance to the supply mains. The type reference of power supply unit is marked near the symbol.



- Charge the appliance correctly according to these Operating Instructions. (See pages 7 and 8 "Charging".)
- This appliance contains battery that is only replaceable by skilled persons. Please contact an authorized service centre for the details of repair.



## Parts identification



### A Main unit

- ① Power switch
- ② Level switch
- ③ Water pressure level LED indicator (1~5 levels)
- ④ Low battery indicator (blue)
- ⑤ Charge status indicator (red)
- ⑥ Nozzle release button
- ⑦ Water tank (inside)
- ⑧ Water tank cap
- ⑨ Suction hose
- ⑩ Filter
- ⑪ Bottom cover release button
- ⑫ Bottom cover

### B AC adaptor (RE7-87)

- ⑬ Adaptor
- ⑭ Power plug
- ⑮ Cord
- ⑯ Appliance plug

### C Charging stand (RC8-4)

- ⑰ Charging plug
- ⑱ Nozzle stand
- ⑲ Wall-mounting screw holes
  - The charger can be mounted on a wall using two wood screws.
- ⑳ Stand socket

### D Ultrasonic nozzle

- ⑳ Nozzle
- ㉑ Nozzle Handle
- ㉒ Identification ring
- ㉓ Nozzle insertion port

### E Orthodontic nozzle

- ㉔ 2 screws

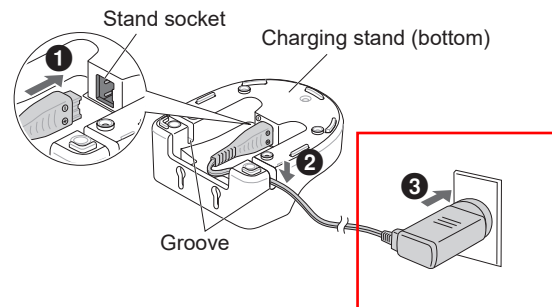
## Note

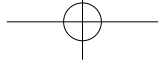
There may be moisture inside the main unit (water tank and suction hose) left from the distilled water used for product testing.

## Charging

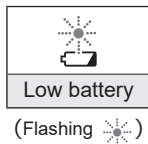
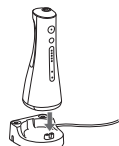
### 1 Connect the AC adaptor.

- ① Insert the appliance plug firmly to the stand socket.
- ② Press the cord into either the left or right groove, depending on where it will be placed.
  - Place the charging stand on a flat and stable surface.
- ③ Insert the adaptor into a household outlet.









**► About the charging time**

- Charging is required when the low battery indicator (blue) flashes.
- Turning off the power switch "⓪" when the battery has little remaining charge, the low battery indicator will light off after 5 seconds.

**2 Insert the main unit straight into the charging plug with the front facing outward.**

(Wipe off any water droplets on the main unit.)


**► Indicator display during charging**

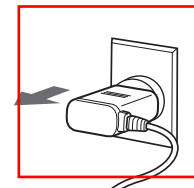
		
		
Charging in progress	Charging complete	Charging abnormal (Flashing in red twice a second)

(Lights on ● Lights off ○)

(Flashing )



**► How to check if charging is completed**

- After charging is completed, if you connect and then disconnect the main unit to and from the charging stand,  (the charge status indicator) lights on and then lights off after 5 seconds.

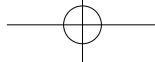
**3 For safety and energy saving, disconnect the power plug.**

- Charging the battery for more than 1 hour will not cause any damage to the main unit.
- **Operating time after a full charge**  
**Approx. 10 minutes\***  
(When the water pressure level is set to 5)
- \* It varies with the ambient temperature and usage conditions.
- Charging is completed after approx. 1 hour.  
(The charging time may vary with the remaining battery capacity.)

**Notes**

- The charging time may differ when the appliance is used for the first time, or if it has not been used for more than 6 months.  
In addition,  (the charge status indicator) may not light on in the first several minutes of charging, but it will light on as the charging proceeds.
- The battery will deteriorate if not used for over 6 months, so make sure to perform a full charge at least once in 6 months.
- The recommended ambient temperature for charging is 10 °C - 35 °C. It may take longer to charge, or  will flash rapidly and the battery may fail to charge properly in extremely high or low temperatures.
- To keep charging the battery will not affect battery performance.





## How to use

### 1 Fill the water tank with water.

① Open the water supply cover.

② Add water while keeping the main unit level.

- Do not fill beyond the full-water position.

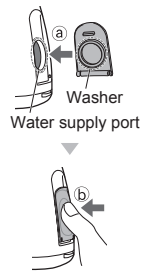
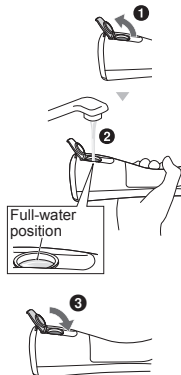
③ Close the water tank cap securely.

- Always use new tap water or lukewarm water.
- If the water feels cold, use lukewarm water with a temperature of 40 °C or less.

#### ► If the water supply cover comes off

① Align the washer of the water supply cover with the water supply port.

② Press in until a "click" is heard.



### 2 Install the nozzle.

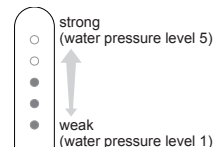
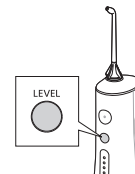
- Choose a nozzle for your purpose. (See page 11.)

Press in firmly until a "click" is heard.



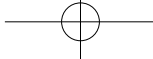
### 3 Press the level switch, and select the water pressure level.

- When you press the level switch, the water pressure level that was used last time is selected. Then each time you press the level switch, the water pressure level is switched as follows: 1 (weak) → 2 → 3 → 4 → 5 (strong) → 1...



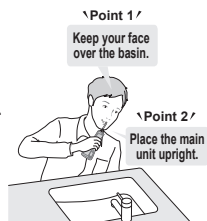
- **About the water pressure level memory function. The last selected water pressure level will be remembered, from which the appliance will start next time.**

- When the appliance has not been used for a long time or when the battery is used up, the water pressure level will return to 1.



## 4 Clean inside your mouth with water jet.

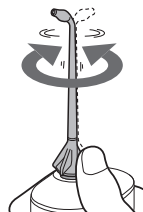
- ① Place the nozzle in your mouth.
  - ② Close your mouth gently.
  - ③ Turn on the power switch "ⓘ".
- You can switch the water pressure level by pressing the level switch, even while using the appliance.
  - If the main unit is tilted too much, the water does not come out from the nozzle.
- ▶ **Operation time with full water approx. 60 seconds.**  
(When the water pressure level is set to 5)



※ It can also be used in a bath.

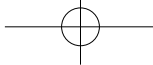
### ▶ To adjust the orientation of the nozzle

You can adjust the direction of water jet by rotating the nozzle handle.



## Notes

- When using the appliance for the first time, please press the power switch "ⓘ" and check the water pressure level while water is coming out. (Please start using the appliance from water pressure level.)
- The appliance may not operate in an ambient temperature approximately 5 °C or lower. The appliance may not work outside the recommended temperature range.
- Do not push the tip of the nozzle too hard against the teeth or gums.
- When you feel that the irritation is strong, turn off the power switch "ⓘ" and use the appliance from water pressure level 1.
- Do not turn on the power switch "ⓘ" when the water tank is empty unless you are drying the moisture inside the main unit. (Doing so may cause malfunction.)



## Points of care

With the water jet and orthodontic nozzle, clean every nook and cranny of areas that are hard to reach by the toothbrush.

Change the way you use and move the unit depending on the purpose and the area you want to clean.



### Ultrasonic nozzle

To clean with the water jet.

#### ► Interdental cleaning

- Direct the water jet onto the space between the teeth.
- Direct from the front and rear sides of the teeth.



#### ► Periodontal pocket cleaning

- Aim the water jet at the space between teeth and gums.
- Slowly shift the water jet along the gums.
- Clean the front and back of the teeth and behind the molars as well.



#### ► Gums care

- Stimulate the gums.



If you are concerned about sensitive gums, stimulate with a gentle water jet setting.



### Orthodontic nozzle

When cleaning crooked teeth and orthodontic bracket area with the brush and water flow

**Lightly place the brush tip on the teeth and wiggle the brush.**

#### ► For crooked teeth

- Place the brush tip on the area that is difficult for a toothbrush to reach and tends to remain unpolished.
- Wiggle the brush mainly in interdental spaces.



#### For orthodontic bracket area



#### Ultrasonic nozzle

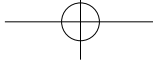
- Direct the water jet around orthodontic brackets and bridges.



#### Orthodontic nozzle

- Insert the brush to the gap between the teeth and the orthodontic bracket.
- Wiggle the brush tip.





## After use

Please clean the appliance after each use.

- 1 To prevent the water from splashing about, turn off the power switch "①" while keeping the nozzle in your mouth.**

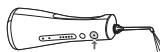


- 2 Pour out the remaining water, and wash the nozzle with water.**

- 1** Open the water tank cap, and pour out the remaining water.
  - Be sure to pour out the remaining water after each use.



- 2** Turn on the power switch "①" to drain the remaining water in the main unit.



- 3** Turn off the power switch "①" when no more water comes out.

- 4 Remove the nozzle and bottom cover. Wash them with water.**

Pull out the nozzle while pressing the button



Nozzle release button



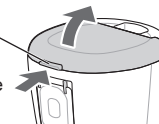
- 3 Remove the bottom cover, and wash the main unit (as a whole) and inside of the tank.**

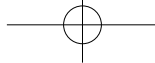


- **How to remove the bottom cover**

Bottom cover release button

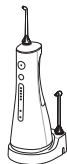
Lift it up while pressing.





#### 4 Store it after it is dry.

- 1 Wipe any water away from the nozzle and the main unit with a towel or the like, and dry them in a well-ventilated shade.
- 2 Put the main unit upright on the charging stand.
  - Attach the bottom cover, and put the main unit upright on the charging stand.



#### ► How to attach the bottom cover

- a Insert the claws (2 places) on the front of the bottom cover into the main unit.
- b Press in the hooks (2 places) on the back.



#### Notes

- Do not wash with lukewarm water exceeding 50 °C.
- Use neutral kitchen detergent and rinse well with water to ensure no detergent remains after cleaning.
- Never use thinners, benzene, or alcohol. (Doing so may cause malfunction, or cracking or discolouration of the parts.)

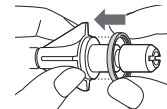
#### ► If the identification ring comes off

Align the nozzle with the identification ring (in any direction) to install it.

- Even if the identification ring is not attached, the performance of the nozzle is not affected.

#### ► When the water jet is poor

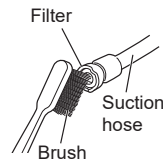
Remove the dirt from the filter (the tip of the suction hose).



English

#### Filter

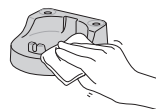
Rub it gently with a soft brush.



#### ► When dirt is a concern

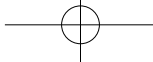
Wipe with a dry cloth. (Do not rinse it with water.)

#### Charging stand



#### AC adaptor





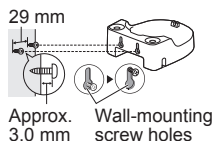
English

## Wall mounting

Be sure to choose a solid wall or a crosspiece to install the charging stand.

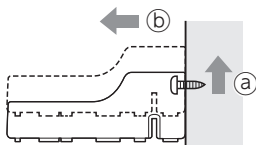
<How to install>

- 1 Tighten two wood screws (nominal diameter: 2.7 - 3.1 mm) at intervals of 29 mm so that the screw head can float about 3.0 mm from the wall.
- 2 Hook the wall-mounting screw holes on the back of the charging stand on the screws, and fix them.



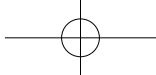
<How to remove>

- a Lift the charging stand.
- b Pull it forward.



## Frequently asked questions

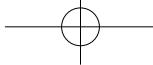
Question	Answer
<b>Battery</b> Will the battery be exhausted after a long period of disuse?	▶ Please charge it once every 6 months if you have not used it for over 6 months since the battery may deteriorate.
<b>Battery</b> Can the battery be charged before every use?	▶ The service life of the battery will not be affected thanks to the use of a lithium ion battery.



## Troubleshooting

Problem	Possible cause	Action
<b>While charging</b> The charge status indicator does not light on.	▶ The appliance was just purchased or it has not been used for a while.	▶ Although the indicator may not light on in the first several minutes of charging, it will light on as the charging proceeds. If it does not light on after a while, please request a repair at your dealer or Service Centre.
	▶ The main unit is not properly plugged in the charging stand.	▶ Check to see that the main unit stands upright so that its bottom comes in contact with the charging plug of the charging stand, and that the charge status indicator is on. (See page 8.)
The charge status indicator flashes rapidly (twice a second).	▶ The ambient temperature is too low or too high during charging.	▶ Please charge within the recommended temperature range of 10 °C to 35 °C. ▶ If the indicator flashes even when you charge it within the recommended temperature range, contact your dealer or Service Centre for repair.
The appliance can be used for just several minutes even after a full charge.	▶ The main unit is not properly plugged in the charging stand.	▶ Check to see that the main unit stands upright so that its bottom comes in contact with the charging plug of the charging stand, and that the charge status indicator is on. (See page 8.)
The low battery indicator does not flash, but the appliance stops working.	▶ The battery has reached the end of its life (approx. 3 years).	▶ Replace it with a new one. (See page 17.) ▶ Please contact your dealer or Service Centre.

English



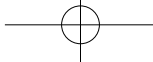
English

	Problem	Possible cause	Action
While using	The appliance does not operate.	▶ The battery has reached the end of its life (approx.3 years).	▶ Please remove the built-in rechargeable battery. (See page 17.) ▶ Please contact your dealer or service centre.
	The water jet is poor.	▶ The appliance is used with approximately 5 °C or lower.	▶ Do not use the appliance with approximately 5 °C or lower.
		▶ The nozzle is clogged. The outlet of nozzle is squashed.	▶ Replace the nozzle with a new one.
	No water comes out.	▶ The filter is clogged.	▶ Remove the dirt from the filter. (See page 13.)
		▶ The main unit is tilted too much.	▶ Please use the appliance with the main unit upright. (See page 10.)
	Water leaks from the bottom cover.	▶ It may take some time to suck up water.	▶ Put water into the nozzle port (a), install the nozzle, and turn on the power switch.
▶ Dirt is accumulated on the rubber part of the bottom cover.			▶ Please remove the dirt. (See page 13.)
The nozzle is hard to install.	▶ ▶ ▶ ▶ ▶ ▶ ▶	▶ Apply water to the nozzle insertion port.	



If the problems still cannot be solved, contact your dealer or a service centre authorized by Panasonic for repair.





## Battery life

Approximately 3 years. The battery may have reached its operating life if the usage frequency decreases drastically, even after a full charge.  
(The operating life of the battery may differ depending on usage or storage conditions.)

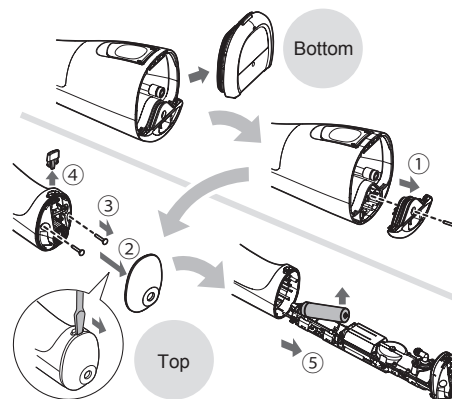
## Disposal of the appliance

**Remove the built-in rechargeable battery before disposing of the appliance.**

- The battery is to be disposed of safely.
- This figure must only be used when disposing of the appliance, and must not be used to repair it.
- If you dismantle the appliance yourself, it will no longer be waterproof, which may cause it to malfunction.

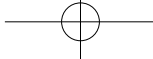
### How to remove the battery

- Remove the appliance from the charging stand and adaptor, press the power switch to turn on the power and then keep the power on until the battery is completely discharged.
- Remove the bottom cover.
- Perform steps ① to ⑤ to disassemble the main unit and remove the battery with a screwdriver.
- Insulate the ⊕ and ⊖ terminals by applying tape to them. (To prevent short circuit of terminals).



### For environmental protection and recycling of materials

This appliance contains a Lithium-ion battery. Please make sure that the battery is disposed of at an officially assigned location, if there is one in your country.



English

## Specifications

Power source	See the name plate on the product (Automatic voltage conversion)
Charging time	Approx. 1 hour
Operating time	LEVEL 5: Approx. 10 minutes (at 20 °C when fully charged)
Tank volume	Approx. 200 mL (For approx. 60 seconds of operation when the water pressure level is set to 5)
Dimensions	Main unit: 210 (H) x 75 (W) x 85 (D) mm (Not including nozzle) Charging stand: 40 (H) x 90 (W) x 100 (D) mm
Mass	Main unit: Approx. 275 g (Including nozzle) Charging stand: Approx. 115 g

This product is intended for household use only.

## Changing the nozzle (Sold separately)

### ► Ultrasonic nozzle

- If the tip of the nozzle gets deformed, please replace the nozzle with a new one.
- The nozzle should be replaced once every 6 months or so due to hygiene reasons, even if it is not deformed.



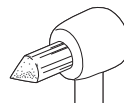
New nozzle (tip)



Deformed (worn) nozzle (tip)

### ► Orthodontic nozzle

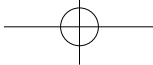
- Replace the orthodontic nozzle in approx. 3 months. If the brush bristles are bent out, replace it even within 3 months.


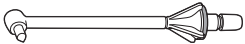


New nozzle (tip)

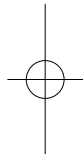
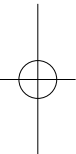
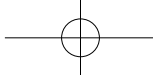


Nozzle with bent out bristles




Part number	Replacement Nozzle for EW1513	
WEW0983	Ultrasonic nozzle	
WEW0984	Orthodontic nozzle	

English



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