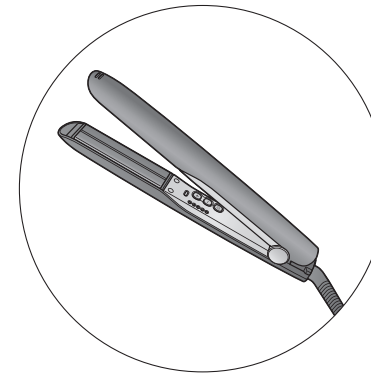
Panasonic

Operating Instructions
(Household use) Hair Straightener
Model No. EH-HS0E

English..... 3



nanoe™

English

Panasonic

Operating Instructions
(Household use) Hair Straightener
Model No. EH-HS0E

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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.

- nanoe™ is a trademark of Panasonic Holdings Corporation.
- nanoe™ particles are nano-sized electrostatic atomized water particles.

Safety precautions

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.

⚠ **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 the type 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.

Illustrations in “Safety precautions” may vary from the actual product.

⚠ WARNING

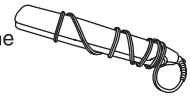
Never modify, disassemble, or repair.
- Doing so may cause ignition or injury due to abnormal operation.
  Contact an authorized service center for repair.

Do not use in a way exceeding the rating of the household outlet or the wiring.
- Exceeding the rating by connecting too many plugs to one household outlet may cause fire due to overheating.

Do not damage the cord or plug.
- **Do not deface, modify, forcefully bend or pull the cord or plug. Also, do not place anything heavy on, twist or pinch the cord.**
- Doing so may cause burn, electric shock or fire due to a short circuit.

Do not use with the cord bundled.
- Doing so may cause fire or electric shock.

Do not wrap the cord around the main body when storing.
- Doing so may cause the wire in the cord to break with the load, and may cause electric shock or fire due to a short circuit.



Do not use when the plug or cord is damaged (small cracks, inner wires visible, etc.) or hot.
- Doing so may cause burn, electric shock, or fire due to a short circuit.

⚠ WARNING

Never use the appliance if the plug fits loosely in a household outlet.
- Doing so may cause burn, electric shock, or fire due to a short circuit.

Do not connect or disconnect the plug to a household outlet with a wet hand.
- Doing so may cause electric shock or injury.

Do not use the appliance with a wet hand.
- Doing so may cause electric shock or fire due to a short circuit.

Never leave the appliance unattended with the power connected or after use while the Iron Plate is still hot.
- Doing so may cause fire, burn, or discoloration or deformation of objects nearby.

Do not store the appliance in a bathroom or location with high humidity. Also, do not place in a location where water may spill (such as top of a vanity).
- Doing so may cause electric shock or fire.

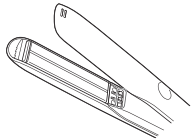
Do not apply hair spray or flammable hair product to the main body or hair while using the appliance.
- Doing so may cause fire, electric shock, or burn.

Do not immerse the appliance in water.
Do not use this appliance near water.
Do not use this appliance near bathtubs, showers, basins or other vessels containing water.
- Doing so may cause electric shock or fire.



This symbol with prohibition sign in red on the appliance means “Do not use this appliance near water”.

Do not block or insert foreign objects such as hairpins into the nanoe™ Outlet.
- Doing so may cause fire, electric shock, or burn.



Keep the appliance out of reach from children, particularly during use and cool down.
It is not allowed for them to use the appliance.
- Doing so may cause burn, electric shock, or injury.

⚠ WARNING

Immediately stop using and remove the plug 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 stops occasionally, or the cord or the plug is abnormally hot.**
- **The main unit is deformed or smells of burning.**

- Immediately request inspection or repair at an authorized service center.

Insert the plug into the household outlet directly:
Do not use with an extension cord.
Fully insert the plug.
Always ensure the appliance is operated on an electric power source matched to the rated voltage indicated on the appliance.
- Failure to do so may cause fire or electric shock.

Regularly clean the plug to prevent dust from accumulating.
- Failure to do so may cause fire due to insulation failure caused by humidity.
  Disconnect the plug and wipe with a dry cloth.

When the appliance is used in a bathroom, unplug it after use since the proximity of water presents a hazard even when the appliance is switched off.
- Failure to do so may cause an accident or injury.

For additional protection, the installation of a residual current device (RCD) having a rated residual operating current not exceeding 30 mA is advisable in the electrical circuit supplying the bathroom. Ask your installer for advice.
- Failure to do so may cause an accident or injury.

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.

If the supply cord is damaged, it must be replaced by the manufacturer, its service center, or similarly qualified persons in order to avoid a hazard.
- Failure to do so may cause an accident or injury.

⚠ CAUTION

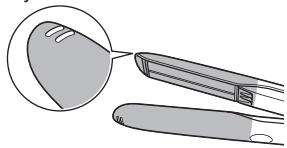
Do not store or use the cord in a twisted state.
- Doing so may cause the wire in the cord to break with the load, and may cause electric shock or fire due to a short circuit.

Do not drop or subject to shock.
- Doing so may cause electric shock or ignition.

Do not use on infants.
- Doing so may cause burn.

⚠ CAUTION

Do not touch the shaded areas when in use or right after use since they will be hot.
- Doing so may cause burn.



Do not let the heated section touch the skin (ears, forehead, neckline, etc.).
- Doing so may cause burn.

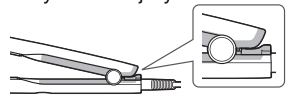
Do not use the appliance with permanent wave liquids applied to your hair.
- Doing so may cause hair or skin trouble.

Do not use the appliance for any purpose other than the care of human hair. (Do not use on pets, etc.)
- Doing so may cause burn.

Do not use the appliance on the same bundle of hair for more than 2 times.
- Doing so may cause burn or damage your hair.

Disconnect the plug from the household outlet after use.
- Failure to do so may cause electric shock or fire due to electrical leakage resulting from insulation deterioration.

During use, be careful not to catch your hands or fingers in the shaded areas.
- Failure to do so may cause injury.



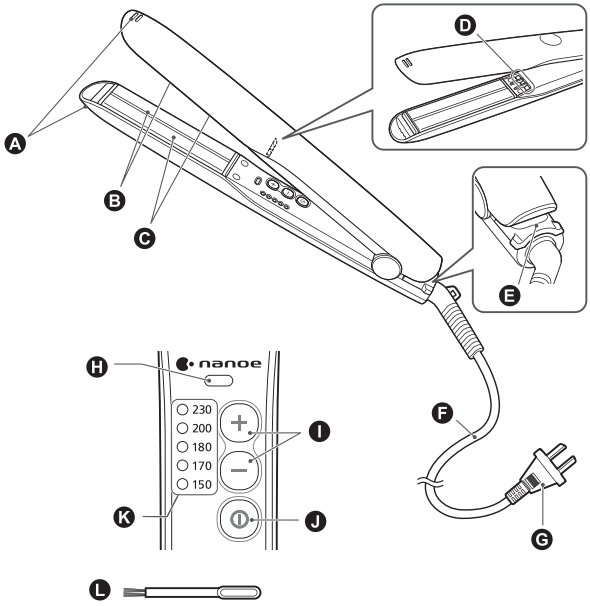
Disconnect the plug by holding onto it instead of pulling on the cord.
- Failure to do so may cause the wire in the cord to break, and may cause burn, electric shock, or fire due to a short circuit.

Slide the appliance down entirely through of your hair without stopping.
Only use the appliance on clean, dry and tangle-free hair.
Recommended temperature for use depends on each hair type of condition. (see 11 page)
- Failure to do so may cause burn or damage your hair.

Always place the appliance on a heat-resistant, stable flat surface.
- Failure to do so may cause fire, burns or discoloration or deformation of surrounding objects.

►Notes
- Styling will hold for 1 day only.
  Hair will return to its normal condition after shampoo.
- Effectiveness of nanoe™ and straightening may vary among individuals.
- Some types of wigs and hair extensions will be weakened by heat and may deform or deteriorate. Do not use the appliance on these items.

Parts identification



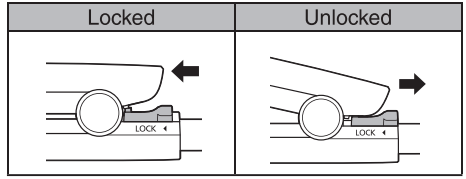
- Ⓐ Press Plate Tips
- Ⓑ Vapor Ventilation Groove
- Ⓒ Iron Plate
- Ⓓ nanoe™ Outlet
- Ⓔ Open/Close Lock
- Ⓕ Cord
- Ⓖ Plug
- Ⓗ nanoe™ Lamp
- Ⓘ Temperature Setting Switch
- Ⓙ Power Switch
- Ⓚ Temperature Setting Lamp

Accessory

- Ⓛ Cleaning Brush (for the nanoe™ Outlet)

About Open/Close lock

Slide the Open/Close lock (shaded area) to lock and unlock.



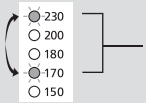
►Note

- Do not try to force open when locked. This may damage the product.

About the temperature control system

Standby mode

If the temperature setting is on 230 °C, 200 °C, or 180 °C and the straightener is left unused for approximately 10 minutes, the temperature will automatically lower to 170 °C.

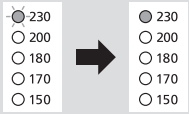


The indicator light will blink alternately between 230 °C, 200 °C, or 180 °C and 170 °C

Depending on the surrounding temperature, it may take more than 10 minutes to activate the standby mode.

(When the temperature of the iron plate decreases, it is detected as “in use”)

Once the straightener is used again, or the [-] or [+] temperature setting switches are pressed, the temperature will return to 230 °C, 200 °C, or 180 °C.



The 230 °C, 200 °C, or 180 °C light will blink and then light up. (Depending on use, it may light up without flickering.)

►Note

- Place hair in the center of the iron plate to use. (If hair is placed on edge of the iron plate, the straightener may not be able to detect it is in use.)

Automatic OFF function

This unit will automatically turn off when 60 minutes have passed from the start of use.
The power will shut off even if you are using this unit, so in this event, please turn on the power once again.
After using this unit, even if you forget to shut off the power, after 60 minutes have passed, it will automatically turn off.

About nanoe™

What is nanoe™?

nanoe™ is nano-sized ion particles enveloped in water and is not visible to the naked eye. Since nanoe™ is generated by collecting water in the air, it may be difficult to generate in certain cases depending on the environment. Negative ions will be generated in those cases.

How nanoe™ works

Generally hair has properties which make it easy to become positively charged with electricity. These properties attract strongly negatively charged nanoe™ which penetrates the hair with moisture. Furthermore, they make the hair slightly acidic, tighten cuticles and keep your hair strong, elastic and healthy.

►Notes

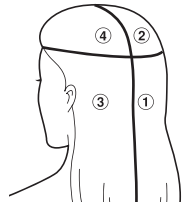
- You may notice a characteristic odor when using this appliance. This is caused by the ozone it generates and is not harmful to the human body.
- A humming noise may come out of the nanoe™ Outlet, but this is the sound of nanoe™ being discharged and is not a malfunction.
- When the nanoe™ device is not clean, the humming noise may increase. Please clean the nanoe™ Outlet regularly. See page 13 for maintenance.

Tips for best straightening results

1 Brush your hair to ensure it is lying in the same direction.

2 Bundle and pin to hold your hair in the order shown in the illustration.

- If you have thick hair, separating the hair into more blocks will make the styling easier.

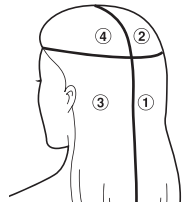


3 Practice with the power off.

- Please practice with the power off until you get used to it.

Styling order

Start styling from the bottom on the back of your head in the order of ① to ② [③ to ④ as well].



Hair types and straightening guidelines

The hair straightening effect may differ among individuals by the degree of curliness and hair type.

Hard-to-straighten hair	Coarse hair, Kinked hair

About hair-straightening products

- Do not use the straightener immediately after a home straight perm liquid is used. Doing so may damage your hair. (The straightener may be used 3-4 days after a straight perm liquid. The straightener may also be used 3-4 days after having your hair treated at a beauty parlor.)

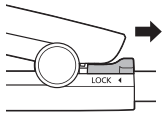
About dyeing products

- Dyeing places great stress on the hair. After dyeing please wait for 2 or 3 days before using the straightener. If you use a temporary dye, wash it out and dry your hair before use.
- It takes some time after dyeing for the color to settle. In the case of the temporary dye, the dye can dirty the straightener if it is not fully washed out. Also, your hair cannot be straightened when it is wet.

Before use

Heating the iron plate

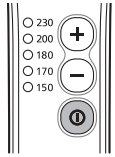
1 **Release the Open/Close Lock.**



2 **Insert the plug into the household outlet.**

3 **Press the Power Switch to turn on the straightener.**

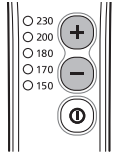
- The nanoe™ Lamp glows.
- Confirm that the Temperature Setting Lamp for 150 is blinking.



►**Note**

- Do not use the straightener if all the Temperature Setting Lamps are blinking.

4 **Set a temperature by using the Temperature Setting Switches according to the characteristics and condition of your hair.**



- When you use the straightener for the first time, be sure to set the temperature to 150 °C.
- The temperature is raised using [+] and lowered using [–] of the Temperature Setting Switches.

Indicator	Temperature	Hair type	Hair condition
○ 230	Approx. 230 °C	Wavy	Less damaged
○ 200	Approx. 200 °C		
○ 180	Approx. 180 °C		
○ 170	Approx. 170 °C		
○ 150	Approx. 150 °C	Straight	Damaged

- Confirm that the Temperature Setting Lamp has changed.
- When the selected Temperature Setting Lamp stops blinking (and glows), the straightener has reached the selected temperature.
  (Note that the time taken to reach operating temperature may vary depending on the operating environment.)

►**Notes**

- A temperature level of more than 200 is high and may damage your hair.
  We recommend that you avoid continuous lengthy use of this level, and only use it if your hair is in a suitable condition.
- After switching on, the straightener reaches operating temperature (approximately 100 °C) after about 20 seconds.

Using the straightener

Before use, confirm that the Temperature Setting Lamp has stopped blinking and glows.

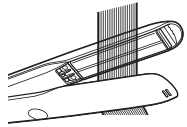
Ensure that hair is completely dry before using the hair straightener.

Straightening

1 **Hold a bundle of hair with a width of approximately 5 cm.**

- Do not take much hair as it may be difficult to straighten your hair.

2 **Clamp the bundle of hair in the center of the Iron Plate.**

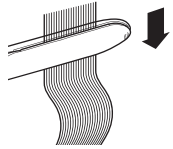


- Use both hands and hold both Press Plate Tips to straighten curly hair.
- Do not use excessive force as it may place a strain on hair ends.



3 **With the hair clamped, move the straightener straight toward the hair ends.**

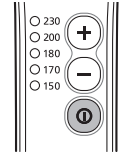
- Move the straightener slowly (at a speed slower than ordinary brushing).



- Repeat in turn, starting from the lower portion of your bundled hair.
- When hair is clamped, do not hold the straightener in the same position.

4 **After use, press the Power Switch to turn off the straightener.**

- Please confirm that both the nanoe™ and temperature setting lamps are off.



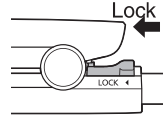
►Notes

- After straightening, style your hair using hair cream, wax, etc.
- Avoid using flammable styling products, since they may generate gases when heated.

After use

1 **Remove the plug from the household outlet.**

2 **Shut the Iron Plate with the Open/Close Lock to store it.**



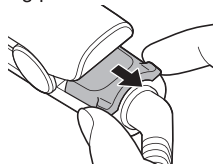
Maintenance

Clean the straightener after it has cooled and with the plug removed from the household outlet.

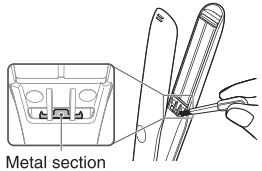
Maintaining the nanoe™ outlet

- Clean the nanoe™ Outlet about once per month.
- This maintenance allows the straightener to sustain the generated level of nanoe™ over a long period.

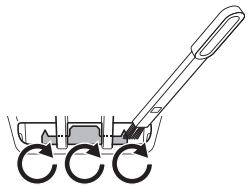
1 **Release the Open/ Close Lock.**



2 **<u>Insert</u> the “cleaning brush” towards the metal section in the nanoe™ Outlet.**



3 **Press the hairs of the brush against the metal section and turn it approximately 10 times. There are 3 nanoe™ Outlets. Perform maintenance on all outlets.**



Maintaining the straightener

- When this unit has become dirty or styling products, etc. have gotten onto it, please soak a rag in soapy water, wring it out, and wipe the unit clean.
- Do not use alcohol, polish remover, or detergent (liquid hand soap, etc.).
  Doing so may crack or discolor the surface of the straightener.

►Note

- Do not leave residue from hair products or cosmetics on the hair straightener.
  Doing so may deteriorate the plastic and cause cracks or discoloration.

Troubleshooting

Problem	Possible cause	Action
• Sparks are generated inside the nanoe™ Outlet. • The nanoe™ Outlet emits a noise (crackling noise).	Dust, styling products, etc. are adhered to the pin-shaped portion where nanoe™ is generated.	Clean the nanoe™ Outlet to remove any adherents.
When the temperature is set to [230], [200], or [180] it blinks alternately between 230 °C, 200 °C, or 180 °C and 170 °C.	It is on standby mode.	When resuming use, press the [+] or [-] temperature setting switches and return the temperature setting to 230 °C, 200 °C, or 180 °C.
All temperature setting lamps keep blinking.		Please request an inspection or repair from place of purchase.
It takes time to reach operating temperature.	The time to reach operating temperature (approximately 100 °C) differs depending on the area.	

If the problems still cannot be solved, contact the store where you purchased the unit or a service center authorized by Panasonic for repair.

Specifications

Power source	100 - 120 V〜 50 - 60 Hz	220 - 240 V〜 50 - 60 Hz
Power consumption	50 W	

The amount of power consumption is determined as the arithmetic mean value of the power input occurring during a representative period.

This product is intended for household use only.

MEMO

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