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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

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.

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.

⚠️ WARNING
- Do not store within the reach of children or infants.
- Do not let them use the appliance.
  - Doing so may cause burn, electric shock, or injury.

⚠️ CAUTION
- 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 or modify, or forcefully bend, pull, or twist 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.

- 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 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.

Do not 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 use in proximity of flammable materials (such as alcohol, benzine, thinner, spray, hair care product, nail polish remover).
- Doing so may cause an explosion 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 on the appliance means “Do not use this appliance near water”.

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.

Fully insert the plug.
- Failure to do so may cause fire or electric shock.

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, electric shock.
**WARNING**

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 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 let the heated section touch the skin (ears, forehead, neckline, etc.).
  - Doing so may cause burn.

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

- 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 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 your own hair. (Do not use on pets, etc.)
  - Doing so may cause burn.
CAUTION

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.

Hold the main body so the fingers do not touch the shaded areas during use.
- Failure to do so may pinch the fingers and 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 or condition. (see page 11)
- Failure to do so may cause burn or damage your hair.

Notes
- Styling will hold for 1 day only. Hair will return to its normal condition after shampoo.
- Not suitable for those with extremely frizzled or curly hair.
- Some types of wig and hair extension will be weakened by heat and may change color or deteriorate.
- Storing the appliance with make up or hair care products still adhered may result in degradation in the plastic and discoloration or cracking, which may in turn prevent the appliance from working properly.
To clean the appliance, use a cloth that has been soaked in soap and water and well wrung out.
Parts identification

A Press Plate Tips
B Illumination Lamp
C Temperature Level Adjustment Switches
D Power Switch [0/1]
E Grip
F Cord
G Plug
   (The shape of the plug differs depending on the area.)
H Push Button
I LED Temperature Level Display
J Press Plate
K Iron Plate
   The Iron Plate (Grip side) moves down slightly by pressing.

Attachments
L Medium Curl
M Large Curl
N Extra Large Curl
O Volumizer
P Straightener
### Setting the temperature

<table>
<thead>
<tr>
<th>Situation</th>
<th>Turn on the switch</th>
<th>Select the temperature</th>
<th>When the selected temperature is reached</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action</strong></td>
<td>Press the Power Switch (④).</td>
<td>• Press the Temperature Level Adjustment Switch (⑤).&lt;br&gt;• The temperature is raised using ( +^{\circ}) and lowered using ( -^{\circ}) of the Temperature Level Adjustment Switches.</td>
<td>-</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td><a href="%E2%86%92">230 ○&lt;br&gt;200 ○&lt;br&gt;180 ○&lt;br&gt;160 ○&lt;br&gt;140 ○&lt;br&gt;(2 PUSH)</a> +&lt;br&gt;The LED Temperature Level Display (①) for 140 blinks.</td>
<td><a href="%E2%86%92">230 ○&lt;br&gt;200 ○&lt;br&gt;180 ○&lt;br&gt;160 ○&lt;br&gt;140 ○&lt;br&gt;(2 PUSH)</a> -&lt;br&gt;The selected LED Temperature Level Display blinks.</td>
<td><a href="%E2%86%92">230 ○&lt;br&gt;200 ○&lt;br&gt;180 ○&lt;br&gt;160 ○&lt;br&gt;140 ○&lt;br&gt;(2 PUSH)</a> +&lt;br&gt;The selected LED Temperature Level Display glows.</td>
</tr>
</tbody>
</table>

#### Automatic temperature lock

To prevent accidental temperature change, the Temperature Level Adjustment Switches are automatically locked if no Temperature Level Adjustment Switch is pushed for 5 seconds.

<table>
<thead>
<tr>
<th>Situation</th>
<th>When any of the Temperature Level Adjustment Switches are pressed while locked</th>
<th>Unlock</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action</strong></td>
<td>-</td>
<td>Press the Temperature Level Adjustment Switch ( -^{\circ}) 2 times.</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td><a href="%E2%86%92">230 ○&lt;br&gt;200 ○&lt;br&gt;180 ○&lt;br&gt;160 ○&lt;br&gt;140 ○&lt;br&gt;(2 PUSH)</a> +&lt;br&gt;The selected LED Temperature Level Display blinks 3 times per second.</td>
<td><a href="%E2%86%92">230 ○&lt;br&gt;200 ○&lt;br&gt;180 ○&lt;br&gt;160 ○&lt;br&gt;140 ○&lt;br&gt;(2 PUSH)</a> -&lt;br&gt;The selected LED Temperature Level Display blinks for 5 seconds, and the temperature can be selected.</td>
</tr>
</tbody>
</table>

- Do not use the straightener if all the lamps are blinking.
**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, then ③ to ④ as well.

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**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.

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**Hair types and straightening guidelines**

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

- Coarse hair, Kinked hair
Before Use

Attaching and removing attachments

- Attaching
  1. Holding the attachment as illustrated.

  2. Press the attachment in along the groove on the Press Plate ( Julie) side until you hear a click.

- Removing
  Press the Push Button ( H), and pull out the attachment while holding the attachment as illustrated.

- Note
  • Do not touch the heated sections such as Iron Plates when attaching or removing attachments.

Heating the Iron Plate

1. Insert the plug into the household outlet.

2. Press and hold the Power Switch ( D) to turn on the straightener. (see page 9)
   • The Illumination Lamp (B) glows.

3. Set a temperature by using the Temperature Level Adjustment Switches (G) according to the characteristics and condition of your hair.
   • When you use the straightener for the first time, be sure to set the temperature level to 140.

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Temperature</th>
<th>Hair type</th>
<th>Hair Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>Approx. 230 °C</td>
<td>Thick</td>
<td>Less damaged</td>
</tr>
<tr>
<td>200</td>
<td>Approx. 200 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>Approx. 180 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>Approx. 160 °C</td>
<td>Fine</td>
<td></td>
</tr>
<tr>
<td>140</td>
<td>Approx. 140 °C</td>
<td></td>
<td>Damaged</td>
</tr>
</tbody>
</table>

• Confirm that the LED Temperature Level Display (I) has changed.

- 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 15 seconds.
  • The time taken to reach operating temperature may vary depending on the operating environment.
Using the straightener

Before use, confirm that the LED Temperature Level Display (1) has stopped blinking and glows.

**Straightening**

- Use the straightener without an attachment.
- If you want to fully straighten your hair further towards the ends, use with the Straightener (2) attached.

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 with the Press Plate (3) facing inwards.
   - Clamp the bundle of hair in the center of the Iron Plate (X).

3 With the hair clamped, move the straightener straight toward the hair ends.
   - Move the straightener slowly (at a speed slower than ordinary brushing).
   - Use both hands and hold the Press Plate Tips (A) to straighten curly hair.
     - Do not use excessive force as it may place a strain on the hair ends.
   - After straightening, style your hair using hair cream, wax, etc.
Curling

- Select the attachment (L/M/N) you want to use and attach it to the main body.

1 Hold a bundle of hair with a width of approximately 3 cm.
  - Do not take much hair as it may be difficult to style your hair.

2 For an inward curl, clamp the hair with the attachment facing inwards.

For an outward curl, clamp the hair with the attachment facing outwards.

- Clamp the bundle of hair in the center of the Iron Plate (3).
- Clamp the hair just above the point at which you want to make curls.

3 After clamping a bundle of hair, rotate the main body through an angle amounting to slightly more than a half-rotation (180°).
  - For an inward curl, rotate the main body towards your face.

- For an outward curl, rotate the main body outwards.

4 After the half-rotation, ensure that the hair tips protrude towards the back-of-the-head.
5 Tilt the main body 10° towards the back-of-the-head.
Keeping the straightener in the half-rotated position, slide it straight down towards the hair ends while clamping the bundle of hair.

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

### Recommended speeds (from scalp to hair ends)

<table>
<thead>
<tr>
<th>Hair length/Temperature level</th>
<th>Medium</th>
<th>Semi-long</th>
<th>Long</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Approx. 3 sec.</td>
<td>Approx. 4 - 5 sec.</td>
<td>Approx. 7 - 8 sec.</td>
</tr>
<tr>
<td></td>
<td>Approx. 2 sec.</td>
<td>Approx. 3 - 4 sec.</td>
<td>Approx. 5 - 6 sec.</td>
</tr>
</tbody>
</table>

| Temperature level | 140 - 200 | 230 |

When using the straightener with the temperature level set at 230, do not exceed the time mentioned above.

- For a more defined curl, make a full rotation (360°) of the main body and slide it towards the hair ends.
- For an effective curl, move the straightener slowly at a same speed while clamping a small bundle of hair.
- Grip the root of an already created curl with your hand. Then move it up and down. It will give you a more defined curl.

Do not detangle the finished curls until the hair cools down.

- After curling, style your hair using hair cream, wax, etc.

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### Adding volume

- Attach the Volumizer (Φ).

1. **Clamp a bundle of hair in the area where you want to add volume.**
   - Each bundle of hair should be about 2 cm (thickness) x 5 cm (width).

2. **Making sure the hair is properly arranged, pull the bundle in a direction perpendicular to the scalp.**

3. **Clamp the hair at the roots.**

   ![Illumination Lamp side](Attachment side)
While rotating the main body, move it towards the top of the head approximately 10 cm and release. (Do not move the straightener to the hair ends.)

**After Use**

1. Press and hold the Power Switch (D) for approximately 1 second to turn off the straightener.
2. Remove the plug from the household outlet.

**Note**

- 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.

**Cleaning**

Clean the straightener or attachments after they have cooled and with the plug removed from the household outlet.
- Do not touch the main body until it has cooled down.
- To clean the straightener or attachments, use a cloth that has been soaked in soap and water and well wrung out.
- Do not use alcohol, thinner, benzine or remover. Doing so may crack or discolor the surface of the straightener.

**Specifications**

Model No.: EH-HV51

<table>
<thead>
<tr>
<th>Power source</th>
<th>100 - 130 V~ 50 - 60 Hz</th>
<th>220 - 240 V~ 50 - 60 Hz</th>
<th>240 V~ 50 Hz*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>45 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron temperature</td>
<td>Approx. 140 °C to 230 °C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Only available in Kuwait and Qatar. This product is intended for household use only.
### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible cause</th>
<th>Action</th>
</tr>
</thead>
</table>
| After pressing the Power Switch, the LED Temperature Level Display does not blink. | - The length of time you pressed the Power Switch was not enough.  
- The Temperature Level Adjustment Switch has been locked.  
- Dust etc. are adhered to the Iron Plate.  
- The time to reach operating temperature (approximately 100 °C) differs depending on the area.  
  100 - 130 V: about 45 seconds  
  220 - 240 V: about 15 seconds | - Press and hold the Power Switch for approximately 1 second to turn on the straightener.  
- Press the Temperature Level Adjustment Switch “-” 2 times.  
- Clean the Iron Plate to remove any adherents.  
- Stop using immediately. |
Operating Instructions

(Household) Multi-Styling Straightener

Model No. EH-HV51

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