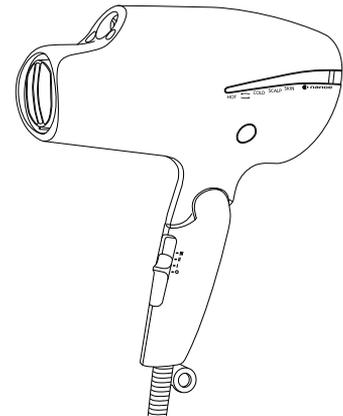


Panasonic[®]

Operating Instructions (Household) Hair Dryer Model No. EH-NA98

English..... 3





Contents

Safety precautions.....	6	Maintenance of the hair dryer	16
Parts identification	10	Troubleshooting	18
About nanoe™ and double mineral*	12	Specifications	18
How to use the hair dryer	13	Caution for AC Mains Lead.....	19

Thank you for purchasing this Panasonic product.

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

Notice

English

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- When the hair dryer is used in a bathroom, unplug it after use since the proximity of water presents a hazard even when the hair dryer is switched off.
- 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.



- This symbol with prohibition sign in red on the appliance means “Do not use this appliance near water”. Do not use this appliance near bathtubs, showers, basins or other vessels containing water.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

nanoe™ is a trademark of Panasonic Corporation.
A nanoe™ is a nano-sized ion particle coated with 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.

Some parts of the safety precaution illustrations differ from the actual product.



WARNING

► Plug and Cord



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

Do not damage the cord or plug.



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, burn 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.



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 wrap the cord tightly 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, burn or fire due to a short circuit.



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, leading to electric shock or fire due to a short circuit.



WARNING

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.

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.

Always turn off the power switch and disconnect the plug from the household outlet after use.



- Failure to do so may cause fire or burn.

Use the household outlet alone: 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.

► In case of an abnormality or malfunction

Immediately stop using and remove the plug if there is any abnormality or malfunction.

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

<Abnormality or malfunction cases>



• **Air is not emitted**

• **Unit stops sporadically**

• **Interior becomes red hot and smoke is emitted**

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

► Maintenance



When you see sparks around the air outlet while using the hot air setting, stop use and remove the lint on the air outlet and air inlet.

- Failure to do so may cause burn or fire.

► This appliance



Do not block or insert hair pins or other foreign objects into the air inlet, air outlet, nanoe™ outlet or mineral ion outlet.

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



WARNING



Do not leave the area with the power switch left on.

- Doing so may cause fire.



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

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



**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 immerse the appliance in water.
Do not use this appliance near water.**

- Doing so may cause electric shock or fire.



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 the appliance with a wet hand.

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



**This appliance is not designed for commercial use,
and is not intended for use without appropriate
maintenance.**

- Doing so may cause burn or fire due to a continuous load or overload.



If you feel pain or abnormality on your skin or other part of your body, immediately stop using this product.

- Failure to do so may cause problems with the skin or body.



CAUTION

► To protect your hair



Do not use with the air inlet damaged.

- Your hair may get tangled in the air inlet, which could damage the hair.

Be sure to keep a distance of over 3 cm between the air outlet and your hair.



- Failure to do so may cause burns to the hair.



Be sure to keep your hair at least 10 cm away from the air inlet.

- Your hair may get tangled in the air inlet, which could damage the hair.



► Note the following precautions



Do not drop or subject to shock.

- Doing so may cause electric shock or ignition.



Only use for drying or styling human hair or for skin. (Do not use on pets, or to dry clothing, shoes, etc.)

- Doing so may cause fire or burn.



Do not use on children or infants.

- Doing so may cause burn.



Do not touch the air outlet and set nozzle which will become very hot.

- Doing so may cause burn.



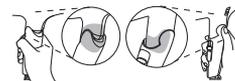
Do not look into the air outlet while in use.

- The hair dryer blows air with dust, etc., possibly resulting in injury.

During use or when unfolding or folding the handle, do not touch the shaded area as shown in figures below.



- Failure to do so may cause finger injury.



Close your eyes when blowing air on your face in skin care mode.

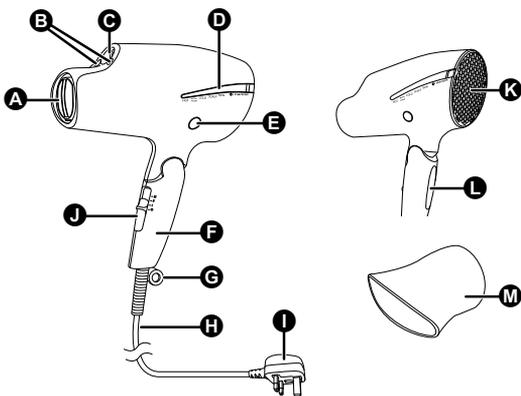
- Failure to do so may cause eye problems.

► Notes

- This appliance is equipped with an automatic overheating protective device. If the appliance overheats, it will switch to cold air mode. Switch off the appliance and unplug it from the household outlet. Allow it to cool down for a few minutes before using it again. Check that no fluff, hair etc. is in the air inlets and outlets before switching it on again.
- 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.

Parts identification

English

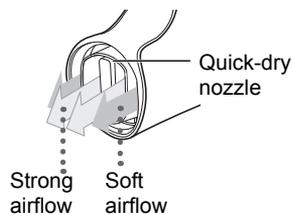


► Quick-dry nozzle

You can increase the drying rate by using the vertical strong and weak airflows to dry and loosen bundles of damp hair.

- The quick-dry nozzle cannot be removed.

(Image)



- Ⓐ Air outlet
- Quick-dry nozzle
- Ⓑ Mineral ion outlet
- Ⓒ nanoe™ outlet
- Ⓓ Mode indicator
- Ⓔ Mode switching button
- Ⓕ Handle
- Ⓖ Ring for hanging
- Ⓗ Cord
- Ⓘ Plug
- Ⓝ Power switch
- III: Turbo (Very strong airflow)
- II: Dry (Strong airflow)
- I: Set (Gentle airflow)
- O: Off
- Ⓚ Air inlet
- Ⓛ Panel
- Ⓜ Set nozzle

► Set nozzle

For easy styling and blow drying of hair, attach the set nozzle to the hair dryer.

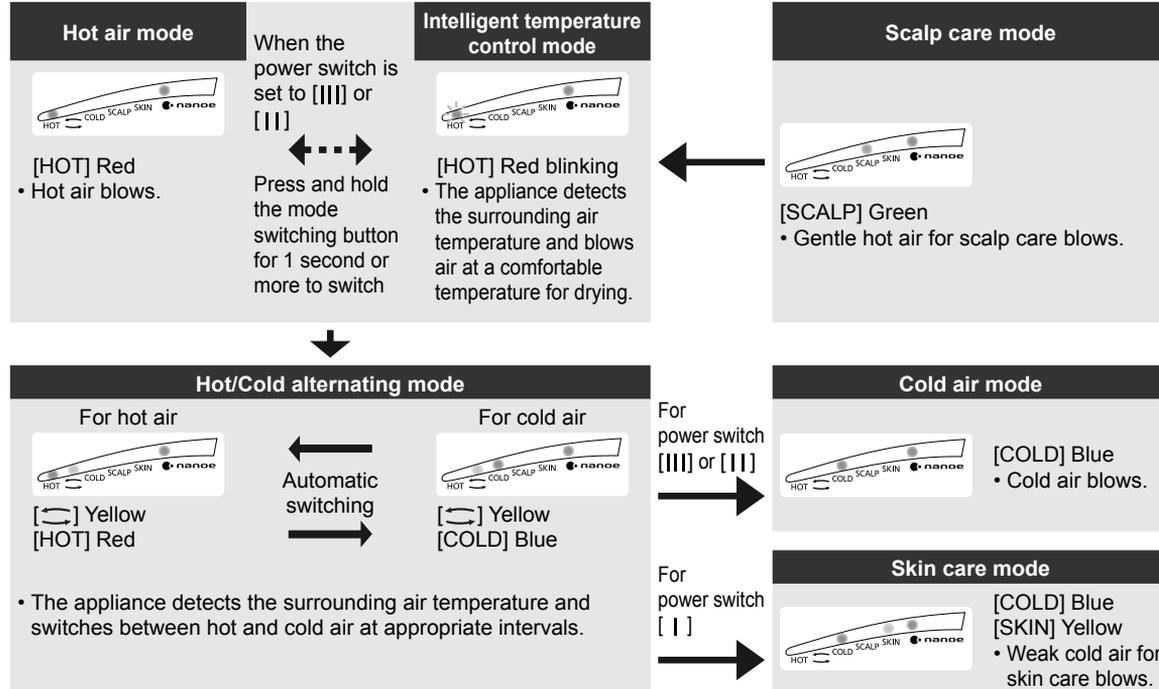
- Set nozzle helps to direct the airflow onto a specific area of the hair

Mode indicator and mode explanation



Switch mode with mode switching button

- The appliance will enter hot air mode when the power switch is turned on.



- In all modes, the nanoe™ lamp glows, and air including nanoe™ and mineral ion blows.
- When [HOT], [↔] (hot/cold alternating mode) hot air, [SCALP] is selected, cold air blows around the hot air, helping set your hair and making your hair shiny.

About nanoe™ and double mineral*

* "Double mineral" means mineral ions generated by two zinc electrodes.

nanoe™ and double mineral effect

Penetrates hair with moisture and tightens cuticle to keep your hair elastic and healthy. Your hair becomes stronger against damage from brushing.



Mineral ion outlet

What is nanoe™, mineral ion?

(nanoe™, mineral ion generation method: high voltage discharge)

nanoe™

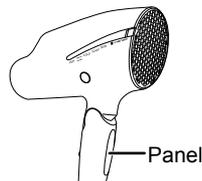
nanoe™ is generated by collecting the available moisture in the air, so depending on the usage environment, nanoe™ may not be generated. In environments of low temperature and low humidity, moisture in the air becomes difficult to collect. When this occurs, negative ions are generated.

nanoe™ is ion wrapped in water that are invisible to the human eye.

Mineral ion

Ions generated by a zinc electrode that cannot be seen by the eye.

Panel effect



Just by grasping the panel along with the handle, more nanoe™ is attracted to your hair.

► Note

• Results of nanoe™, mineral ions and hot/cold alternating mode (See page 13.) on hair vary according to the individual, and the following people may find it hard to experience an effect.

- People with curly hair
- People with strong wavy hair
- People with smooth hair that can be easily set
- People who have had a straightening perm within 3 to 4 months
- People with short hair

Curly hair	Wavy hair

How to use the hair dryer

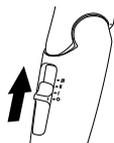
Preparation

- 1 Use a towel to partially dry your hair.
- 2 Then brush or comb your fingers to remove tangles.
- 3 Plug into the household outlet.

Dry your hair

1 Select airflow strength using the power switch.

- Select [III] or [II] with the power switch.



2 Direct warm air throughout your hair.

- Your hair will dry quickly if you direct the warm air towards the roots.



3 When the hair is about 90% dry, use the hot/cold alternating mode to finish it well, making the hair shiny.

- Select [] with the mode switching button.



In order to thoroughly apply hot and cold air, part your hair to the left and right to dry it.

1. Apply the hot/cold alternating mode while running your fingers through your hair from the inside. (One side)
2. Apply the hot/cold alternating mode while running your fingers through your hair from the top of your head to the tip of your hair. (One side)
3. Also perform step 1 and 2 on the opposite side.



4 Set the power switch to [O].

5 Remove the plug from the household outlet.

- When drying is complete, finish with a brush or your fingers.
- After the hair dryer has cooled down sufficiently, keep it in a place with low humidity.

Skin care mode

Delivers nano sized moisture ions to skin that is easy to dry out after bathing.

Do this after drying your hair following procedure 3 on P.13

- 1 Select [|] with the power switch.
- 2 Select [COLD] with the mode switching button.
- 3 Place the air outlet at a distance of about 20 cm from your chin and apply air for about 1 minute, moving the appliance to the left and right.
 - Use with your eyes closed.
 - Perform skin care using lotion or milky lotion, in the same way and timing as normal.



Scalp care mode

Moisture remaining on the surface of scalp leads to discomfort, such as stickiness.

Dry scalp gently with hot air at approx. 50 °C. (at 240 V)*

*When the room temperature is 23 °C

Do this after drying your hair by about 70% following procedure 2 on P.13

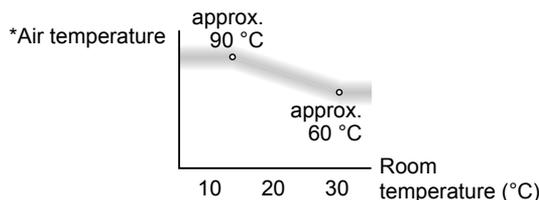
- 1 Select [SCALP] with the mode switching button.
- 2 Lift your hair by hand and dry your scalp.
 - You may feel cold depending on the ambient temperature. In this case, move the appliance further away from your scalp on [HOT] and apply air.
- 3 Select [HOT] with the mode switching button and dry your hair overall.



Intelligent temperature control mode

At times when it is unpleasantly hot and humid, such as after bathing in summer, the hot air temperature is controlled automatically depending on the room temperature, to allow comfortable drying.

<Image of room temperature and hot air>



* The description of the air temperature is based on IEC standard at 240 V.

Do this when you wish to reduce the hot sensation of hot air following procedure 2 on P.13

1 Press and hold the mode switching button for 1 second or more when using HOT [||||] or [||].

• ([HOT]) changes to blinking

2 Dry your hair overall.

- Press and hold the mode switching button again for 1 second or more to return to normal hot air.
- The appliance will return to hot air mode once the power switch is turned off.



To increase hair volume

Lift the base of your hair and apply the hot air from the bottom to the top.

For top



For inner hair



To decrease hair volume

Run your hand through your hair in the same direction as the hair flow, and apply hot air from the top to bottom.



To set your hair

1. Dampen the area of your hair you want to set with water etc.
 - Massage your hair so that water etc. penetrates to the inner side.
2. Select [|] with the power switch.
3. Select [HOT] with the mode switching button and apply hot air.



To make your hair setting last longer

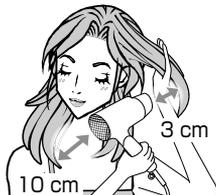
Apply cold air to the area of your hair you want to set after applying hot air.

► Note

- Wave perms may temporarily become easy to stretch when you apply nanoe™ and mineral ion to your hair, but return to their original state when you apply water or styling agents.

► Notes

- Keep a distance of over 3 cm between the air outlet and your hair.
- Keep the appliance at least 10 cm away from your hair so that it is not sucked into the air inlet.
- Be careful not to bump the air inlet such as on the corner of a desk.
- Styling and treatment agents etc. can be used. However, if you use sticky substances such as oil, gel or wax, the intended effect of nanoe™ and mineral ion may become difficult to achieve.
- Since nanoe™ and mineral ions are generated, you might encounter the following.
 - Water droplets may be blown out of the nanoe™ outlet during use.
 - You may hear a noise from the nanoe™ outlet or the mineral ion outlet.
 - You may notice a characteristic smell during use.



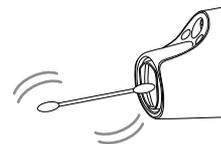
Maintenance of the hair dryer

Always turn the power switch off and disconnect the plug from the household outlet. (Except when performing maintenance on the air outlet)

Maintaining the air outlet

Do this about once a month or over

1. Plug into the household outlet.
2. Select [I], [II] or [III] with the power switch.
3. Select [COLD] with the mode switching button.
4. While scraping dust and hair jammed in the mesh with a cotton swab, blow them away with air.



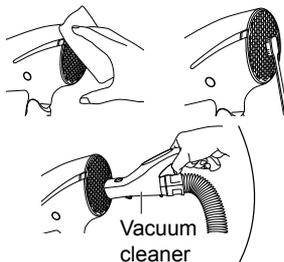
► Notes

- When performing maintenance, do not block the air inlet with your hand.
- Dust may fly out when you use the appliance for the first time after maintenance. Use the appliance after confirming that dust no longer flies out. (Do not look into the air outlet.)

Maintaining the air inlet

Do this about once a month or over

Wipe to clean lint, hair, or other matter from the air inlet with a tissue or toothbrush.



If dust is attached to the inside, remove it with a vacuum cleaner.

► Note

- Do not press or rub with your nails or sharp items. Doing so may cause the air inlet to break.

Maintaining the nanoe™ outlet and the mineral ion outlet

At least once a month

In order to maintain the generation amount of nanoe™ and mineral ion.

1. Prepare a commercially available new cotton swab.
2. Gently insert the swab in the nanoe™ outlet and the mineral ion outlet until it stops (about 10 mm), and then turn the cotton swab 2-3 times carefully.



► Note

- It is easier to clean the nanoe™ outlet and the mineral ion outlet with a narrow cotton swab (for example, one intended for babies).

Maintaining the main body

Do this when dirty

To clean the hair dryer (when it is dirty), soak a cloth in the soapy water and squeeze it out firmly, then wipe with the cloth.

► Notes

- Do not use substances such as alcohol, nail polish remover or detergent (hand soap). Doing so may result in malfunction or part cracks or discoloration.
- Do not leave the appliance with hairdressing products or cosmetics on it. Doing so will cause deterioration of the plastic, leading to discoloration and cracks.





Troubleshooting

English

Problem	Possible cause	Action
Sparks can be seen inside the appliance when using [HOT]. (These sparks are caused by the thermostat switch which is the protective device, and are not dangerous.)	▶ Dust is attached to the air inlet or air outlet.	▶ Remove the attached dust. (See page 16 - 17.)
Hot air repeatedly turns into cold air.	▶ Hair or something is blocking the air inlet.	▶ Do not block the air inlet.
The hot air is abnormally hot.	▶ The power plug is not firmly inserted into the outlet.	▶ Use an outlet in which the power plug fits snugly.
The power plug is abnormally hot.	▶ The needle-shaped part located at the back of the nanoe™ outlet is dirty.	▶ Perform maintenance on the nanoe™ outlet. (See page 17.)
Sparks are generated inside the nanoe™ outlet.		
A noise (crackling) is heard inside the nanoe™ outlet.		
There is a peculiar smell.	▶ This is because nanoe™ and mineral ion produce a peculiar smell; there is no influence to your body.	
Water droplets fly out from the nanoe™ outlet.	▶ Water droplets occasionally fly out from when generating nanoe™; this is not an abnormality.	
The [HOT] lamp is blinking quickly (twice per second).	▶ Device abnormality.	▶ Please consult an authorized service center for repair.

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

Specifications

Product model	EH-NA98		
Power source	220 V \sim 50 - 60 Hz	230 V \sim 50 - 60 Hz	240 V \sim 50 - 60 Hz
Power consumption	1 500 W	1 650 W	1 800 W
Accessory	Set nozzle		
Airborne Acoustical Noise	without nozzle 76 (dB(A) re 1 pW)		

This product is intended for household use only.

18



Caution for AC Mains Lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 10-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 10-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

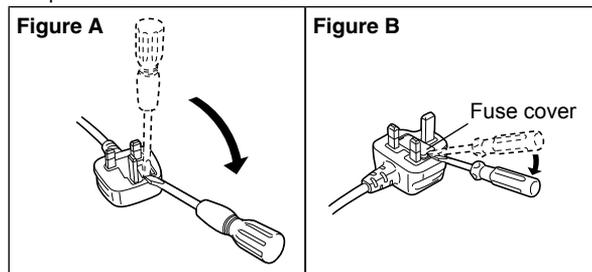
Remove the connector cover.

How to replace the fuse

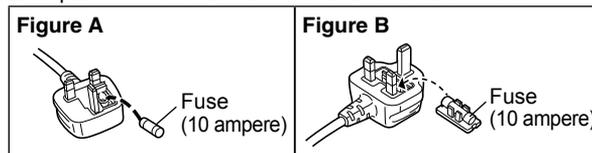
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.





English

Disposal of Old Equipment Only for European Union and countries with recycling systems



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local authority.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



Panasonic Corporation
<http://www.panasonic.com>
© Panasonic Corporation 2018

Printed in Thailand
EH9210NA988951 Y1218-0

Ⓜ EN

