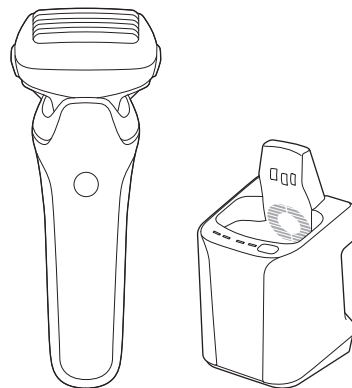


Operating Instructions (Household use) Rechargeable Shaver Model No. ES-L690U

Contents

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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.

The USB power adaptor is sold separately.

Safety precautions

Make sure to follow these instructions.

To prevent accidents, injuries or damage to property, please follow the instructions below.

■ **The following chart indicates the degree of damage caused by improper operation.**

 **DANGER** Indicates a potential hazard that will result in serious injury or death.

 **WARNING** Indicates a potential hazard that could result in serious injury or death.

 **CAUTION** Indicates a potential hazard that could result in minor injury or property damage.

■ **The symbols are classified and explained as follows.**

 This symbol indicates prohibition.

 This symbol indicates requirement that must be followed.

WARNING

► This product

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



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

Do not modify or repair.



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

Contact an authorized service centre for repair (replacement of battery etc).



Never disassemble except when disposing of the product.

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

► Power supply

Do not use in a way that would exceed 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.

WARNING

Do not use anything other than the supplied AC adaptor, self-cleaning recharger and USB cable for any purpose.



Also, do not use any other product with the supplied AC adaptor, self-cleaning recharger and USB cable. (See page 9.)

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



Disconnect the USB plug when cleaning the main body with water.

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



Fully insert the power plug of the adaptors securely.

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

▶ **AC adaptor, self-cleaning recharger, USB power adaptor and USB cable:**

Do not immerse them in water or wash with water.

Do not place them over or near water filled sink or bathtub.

Never use the appliance if they are damaged or if the power plug fits loosely in a household outlet.



Do not damage them.

- Do not deface, modify, forcefully bend or pull them. Also, do not place anything heavy on, twist or pinch them.

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

Do not use them to charge other devices.

[Note that USB power adaptor (ES-RU1-02) can be used with compatible Panasonic products.]



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



Do not connect or disconnect them with a wet hand.

- Doing so may cause electric shock or injury.

Always plug the USB cable to a power supply with a rated voltage of 5.0 V and a rated output current of 1.0 A which meets requirements of the Safety Extra Low Voltage (SELV) system.



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

WARNING



Always use the specified USB power adaptor.

- Using unspecified equipment may result in burns, electric shock, or fire due to a short circuit.

Regularly clean them to prevent dust from accumulating.



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

► In case of an abnormality or malfunction

Immediately stop using the device and disconnect both the AC adaptor and USB power adaptor.

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

<Abnormality or malfunction cases>



- **The main unit, self-cleaning recharger, adaptors or cord is deformed or abnormally hot.**
- **The main unit, self-cleaning recharger, adaptors or cord smells of burning.**
- **There is an abnormal sound during use or charging of the main unit or self-cleaning recharger.**
- Immediately request inspection or repair at an authorized service centre.

► Preventing accidents



Persons using an implanted medical electronic device, such as a pacemaker, should not allow this unit to touch the skin where the medical electronic device is implanted.

- Doing so may cause an accident or illness.



Do not place within reach of children or infants. Do not let them use it.

- Putting parts or accessories in the mouth may cause an accident or injury.



Do not use or store the self-cleaning recharger on top of other electrical devices.

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



If detergent or oil is consumed accidentally, do not induce vomiting, drink a large amount of water and contact a physician.

If detergent or oil comes into contact with eyes, wash immediately and thoroughly with running water and contact a physician.

- Failure to follow these instructions may result in physical problems.



If detergent contacts skin, wash immediately and thoroughly with soap.

If you experience skin irritation anywhere on the body, stop using immediately and contact a physician.

- Failure to follow these instructions may result in physical injury or injury to the skin.

WARNING

► Take care of the following precautions as well

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.

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.

CAUTION

► Protecting the skin

Do not use excessive pressure to apply the system outer foil to your lip or other part of your face.

-  **Do not apply the system outer foil directly to blemishes or injured skin.**
 - Doing so may cause injury to skin.

Do not forcefully press the system outer foil. Also, do not touch the system outer foil with fingers or nails when in use.

-  **Do not use this product for hair on head or any other part of the body.**

- Doing so may cause injury to skin or reduce the life of the system outer foil.

Do not remove the shaver from the self-cleaning recharger while using the “AUTO” mode or “Dry/Charge” mode.

-  - Doing so may cause burns due to high temperatures around the system outer foil.

Check the system outer foil for cracks or deformations before use.

-  - Failure to do so may cause injury to the skin.

► Note the following precautions

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

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

Do not charge when the appliance socket is wet.

-  - Doing so may cause burns or fire.

Do not share your shaver with your family or other people.

-  - Doing so may result in infection or inflammation.

CAUTION

 **Do not use detergent for any purpose other than washing the system outer foil.**

- Using it with other products may cause discoloration or cracking.

Disconnect adaptors 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.

Use caution when opening detergent as spout is sharp.

- Failure to do so may cause injury.

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.

Important information

- This WET/DRY shaver can be used for wet shaving using shaving lather or for dry shaving. You can use this watertight shaver in the shower and clean with water. The following symbol means suitable for use in a bath or shower.



- Treat yourself to wet lather shaves for at least three weeks and notice the difference. Your Panasonic WET/DRY shaver requires a little time to get used to because your skin and beard need about a month to adjust to any new shaving method.
- If you clean the shaver with water, do not use salt water or hot water. Do not soak the shaver in water for a long period of time.
- 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 page 12 "Charging the shaver".)
- This appliance contains battery that is only replaceable by skilled persons. Please contact an authorized service centre for the details of repair.
- Do not recharge non-rechargeable batteries.

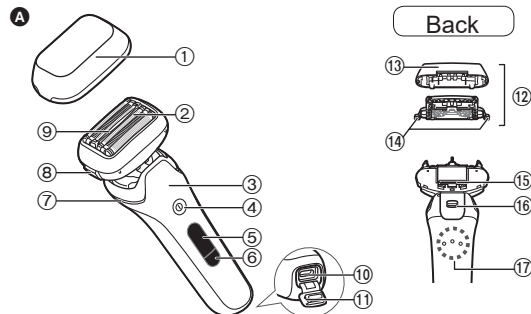
Note the following precautions in order to prevent malfunction, deformation and deterioration

- Do not drop or hit against other objects.
- Do not bring the system outer foil into contact with hard objects.
- Do not leave the shaver exposed to direct sunlight with the foil frame detached.
- Do not dry the main unit with a dryer.
- Be sure to place the protective cap on the shaver when carrying around or storing.
- Store the shaver in a place with low humidity after use.
- Do not leave the detergent in location of high temperatures.
- Immediately wipe up any cleaning liquid that has been spilt.

This symbol on the product means that not generated higher voltage than the safety extra low voltage (SELV). In which protection against electric shock relies on power supply.



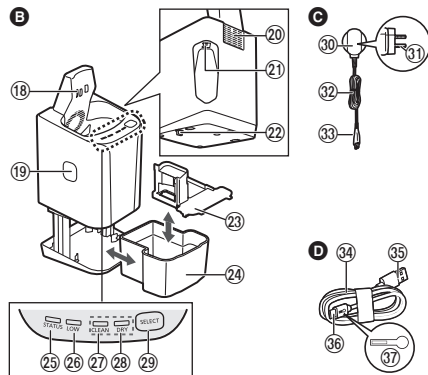
Parts identification



A Main body

- ① Protective cap
- ② System outer foil
- ③ Finger rest
- ④ Power switch
- ⑤ Navigation monitor
- ⑥ Screen navigation switch
- ⑦ Navigation LED
- ⑧ Foil frame release buttons
- ⑨ Smooth roller
 - Enhances the device's ability to glide smoothly over the skin.
- ⑩ Appliance socket (Type-C)

- ⑪ Socket cover
- ⑫ Outer foil section
- ⑬ Foil frame
- ⑭ System outer foil release buttons
- ⑮ Trimmer
- ⑯ Trimmer handle
- ⑰ Main body rear terminals



B Self-cleaning recharger (RC9-23)

- 18 Charging terminals
- 19 Cleaning liquid unit removal button
- 20 Intake port
- 21 Self-cleaning recharger socket
- 22 Lock release lever
- 23 Cup divider
- 24 Cleaning liquid unit
- 25 STATUS lamp
- 26 LOW lamp
- 27 CLEAN lamp
- 28 DRY lamp
- 29 SELECT button

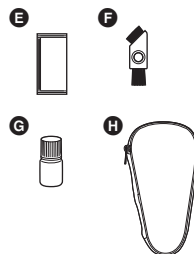
C AC adaptor (RE7-87)

- 30 Adaptor
- 31 Power plug
- 32 Cord
- 33 Appliance plug

D USB cable

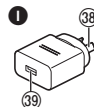
- 34 Cord
- 35 USB plug (Type-A)
- 36 USB plug (Type-C)
 - With overheat protection function
- 37 Overheat protection function mark

Accessories



- E** Special detergent (Detergent)
- F** Cleaning brush
- G** Oil
- H** Travel case

Optional parts



- I** USB power adaptor for general use (ES-RU1-02)
- 38 Power plug
- 39 USB port (Type-A)

There may be water droplets inside the self-cleaning recharger at the time of purchase, but there is no problem regarding the hygiene. They are remains after the factory inspection.

Navigation LED display

Color	Status	Indication
Orange	Glow	Shaving sensor (BOOST) (See page 15.)
White	Glow	Shaving sensor (SOFT) (See page 15.)
	Fading blinks (1 time per second)	Shaving foam mode (See page 14.)
	Fading blinks (1 time every 4 seconds)	While charging (See page 12.)
	Blinks (1 time per second)	Please wash (See page 17.) Replace the blade (See page 20.)
	Turns off after fading glow	Smart lock released (See page 14.)
Red	Blinks (1 time per second)	Charging required (See page 16.)
	Blinks (2.5 times per second)	Abnormal temperature (See page 13.)

Navigation monitor display

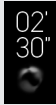
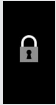
Preparation – Charging

Releasing smart lock	Battery capacity *1	While charging *2	Cannot charge
 P.14	 100%	 80% P.12	 P.13

*1 Indicates in 5% increments

*2 The screen turns off 10 seconds after the start of USB charging. The screen turns on again if you release the smart lock or press the screen navigation switch.

During shaving

Shaving in progress *3	Shaving foam mode	Locked	No remaining battery power
 P.14	 P.14	 P.17	 0%

*3 Shows the duration of shaving.
The display turns off 10 seconds after power-on, and turns on again when you press the screen navigation switch.

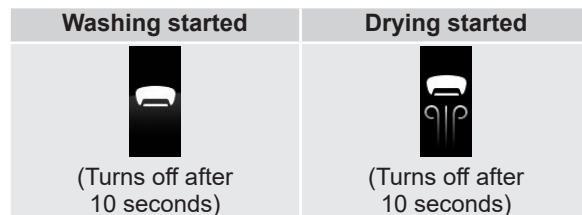
After shaving

Pressing the screen navigation switch changes the screen in the following order:



*4 Shows the percentage of the duration that BOOST mode was active in a single shaving session.

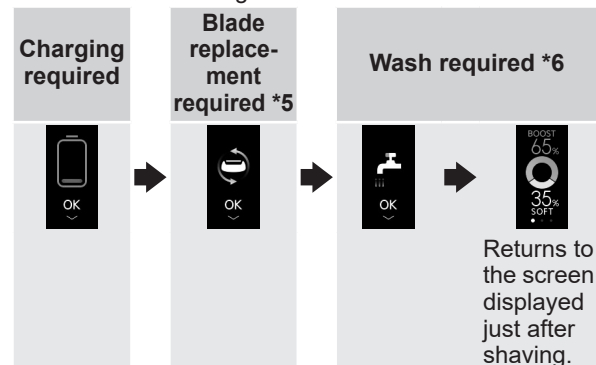
During automatic washing and drying



Maintenance/Checkup

After shaving, the screens show whether recharging, blade replacement, or washing is required.

Pressing the screen navigation switch changes the screen in the following order:

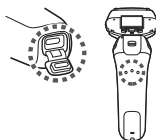


- *5 The indicator activates in 1.5 years (assuming 3 minutes of daily use) after the start of use or after a reset.
Reset the device after replacing the blade. (See page 20.)
Once the indicator appears, it will disappear after seven uses, even if a reset is not performed.
- *6 This indication appears when blade maintenance is required.

Preparation

Charging the shaver

- Turn the shaver off.
- Wipe and dry any water droplets or facial cleanser on the main body rear terminals or the appliance socket.



Charging with the self-cleaning recharger

- Do not use the self-cleaning recharger while charging the shaver via the USB cable, as charging will not occur.

1 Insert the appliance plug into the self-cleaning recharger.

2 Remove the protective cap while pressing the side of the cap and insert the shaver into the self-cleaning recharger.

- Slowly insert the shaver into the self-cleaning recharger taking care not to damage the system outer foil.

3 Plug the adaptor into a household outlet.

- The navigation monitor displays the charging status.
- Charging is completed after approx. 1 hour.



4 Disconnect the adaptor after charging is completed.

Charging using the USB cable

- Use the specified USB power adaptor and USB cable.
- The USB power adaptor is sold separately.

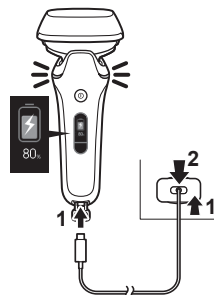
1 Open the socket cover and insert the USB plug firmly into the main body and USB power adaptor.

2 Insert the USB power adaptor firmly into a household outlet.

- The navigation LED blinks white.
- Charging is completed after approx. 2 hours.

3 Remove the USB power adaptor from the household outlet, and remove the USB plug from the main body after the navigation LED turns off.

- Close the socket cover.



Note

You cannot operate the shaver while charging.

Notes

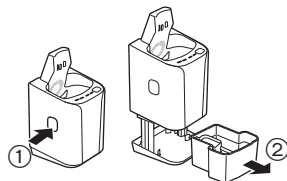
- The shaver may be charged with adaptors and cables other than the specified ones, but Panasonic's specified adaptor with splash-resistant design and a USB cable with an overheating protection function should be used to ensure safety.
The adaptor is not completely waterproof, so prevent it from getting wet.
- When charging the shaver for the first time or when it has not been in use for more than 6 months, the charging time may change or the navigation monitor may not turn on. It will eventually glow if kept connected.
- Recommended ambient temperature for charging is 10 °C – 35 °C. Charging may take longer, or  may turn on with the navigation LED blinks red (2.5 times per second), indicating that the battery is not charging properly in extremely high or low temperatures.
- The shaver can be used for approximately 2 weeks with a full charge.
(Based on one 3-minute dry-shave usage per day in an ambient temperature range of 20 °C – 30 °C.)
The number of usable days varies depending on the following conditions.
 - Beard thickness
 - Pressure applied to the skin
 - Usage frequency of the shaving foam mode or wet shaving.
- If there is noise from the radio or other sources while using or charging the appliance, move to a different location to use the appliance.

Preparing the cleaning liquid

Cleaning can start right after the usage by preparing in advance.

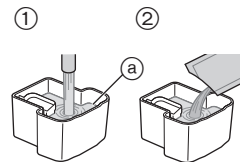
- Remove the AC adaptor from the self-cleaning recharger.

1 Press the cleaning liquid unit removal button (①) and remove the cleaning liquid unit (②) on a hard, horizontal surface.



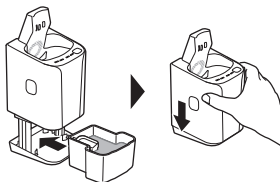
- When the self-cleaning recharger is lifted, or on the soft surface such as carpets, the lock release lever will not fit in the recharger properly. In that case, the cleaning liquid unit cannot be removed.

2 Pour tap water (①) and detergent (②) into the cleaning liquid unit.



- Be careful not to let the water rise above the maximum water line (a).
- Pour the entire packet of detergent.

- 3 Slowly insert the cleaning liquid unit into the self-cleaning recharger until it clicks.**



Notes

- To replace the cleaning liquid, see page 20.
- Only use self-cleaning recharger detergent for Panasonic shavers.
- Not doing so may cause malfunction or failure.
- Do not tilt the self-cleaning recharger.
- Doing so may cause spill or the number of days that cleaning liquid can be used reduce.
- You can use the cleaning liquid for approximately 30 days if used once per day.
(This will differ depending on beard thickness and the ambient temperature.)

How to use

This appliance features a smart lock function that automatically locks the power switch after 30 seconds to prevent accidental activation when not in use. The power switch is automatically unlocked when the main body is grasped.

- The sensor may respond and the power switch may be unlocked when an electrical device or metal object is brought closer. This is not abnormal.

Making foam in shaving foam mode

It is easier to make foam this way than by hand.

► Usable facial cleansers, etc.

		Shaving	Shaving foam mode
Shaving agent	Shaving foam	✓	—
	Shaving gel	✓	✗
	Shaving cream	✗	✗
Facial cleanser	Facial cleansing foam (without scrubbing compounds)	✓	✓
	Facial cleansing foam (with scrubbing compounds)	✗	✗
	Facial soap	✓	✗
Body soap etc.	Liquid	✓	✓
	Foam	✓	—

- Do not use anything other than above listed shaving agent/facial cleanser/body soap etc. as these may cause the blades to clog, or be unable to make foam.
- Check that the socket cover is closed.

1 Preparing foam

Scoop a suitable amount of facial cleanser or similar in your hand, and add a suitable amount of cold or warm water.

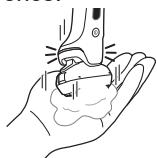
2 Hold ① for 2 seconds or more to switch to shaving foam mode.

- The navigation LED blinks white (1 time per second).



- The shaving foam mode ends after 15 seconds. The shaver can then be used to shave.
- To stop using the shaving foam mode and start shaving, press the power switch once.

3 Press the blades gently in the palm of your hand, mix the facial cleanser etc. around and move the blades up and down to make foam.



- If there is insufficient foam, add slightly more water, hot water or facial cleanser etc. to make it easier to create foam.

► Notes

- Do not use shaving agent (excluding foam), facial cleansing foam (with scrubbing compounds) or soap as these may cause the blades to clog, or be unable to make foam.

Shaving beard

- Check the system outer foil for cracks or deformations before use.

1 Press ① and shave.

- The “shaving sensor”, which automatically adjusts the power depending on the beard thickness, will operate.

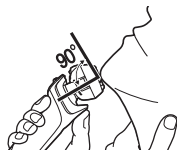
The shaver operates in BOOST mode (high power) for dense beard areas and switches to SOFT mode (gentle power) for thinner beard areas, minimizing skin irritation.



Tips for better shaving

Apply the whole system outer foil perpendicularly against the skin and shave by slowly gliding the shaver over the face against the grain of the beard.

- The beard under the chin and around the throat can be shaved better by stretching the skin so the beard will stand.
- To prevent damaging the system outer foil, do not shave with only a part of the system outer foil.



2 Press ① when finished.

When the battery capacity is low

The appliance beeps and the navigation LED blinks red. (This will differ depending on usage.)

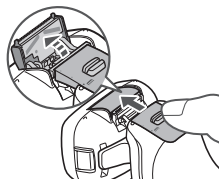
- You can shave 2 to 3 times after the navigation LED blinks red. (This will differ depending on usage.)

Notes

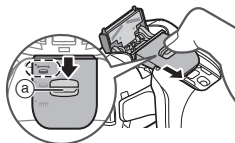
- The appliance may not operate in an ambient temperature lower than approximately 5 °C.
- The shaving sensor may not respond depending on the type and quantity of the shaving gel. This is not abnormal.
- To prevent erroneous operation, place your fingers on the finger rest while using the shaver.

► Using the trimmer

1. Slide the trimmer handle up to the “mm” position so that the trimmer stands upright.
2. Press ① and use.



Press and hold the top knob (a) and slide the trimmer handle down to lower the trimmer.



Tips for better usage

Apply the trimmer edge perpendicular to skin gently and move downward slowly.

Trimming sideburns



Pre-shave of long beards



► Switching the shaver head

You can change the pivot action.

“☎”

The shaver head is moved to prevent missed spots.



“☎”

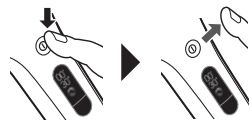
You can lock the shaver head.



Operation and display of the switch lock

► Locking the power switch

1. Press ① once and then release.
 - The shaver starts operating.



2. Hold ① for more than 2 seconds until  appears.
- The shaver will stop operating.

3. Release ①.
-  will disappear after 5 seconds.



- If you lock the switch manually, it will not be unlocked automatically. Unlock it manually before using.

► Unlocking the power switch

1. Hold ① for more than 2 seconds.
 - The shaver starts operating.
2. Release ①.

The power switch is locked when  appears and the shaver does not operate even though the power switch is pressed.



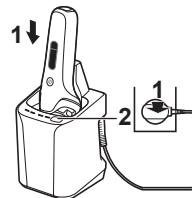
Cleaning, drying, charging

We recommend cleaning the shaver after each use.

- Do not use the self-cleaning recharger while the shaver is being charged through the USB cable.  turns on and the self-cleaning recharger does not work normally.)

- 1 Insert the shaver into the self-cleaning recharger and plug the adaptor into a household outlet. (See page 12.)**

- When the LOW lamp or the STATUS lamp lights up, see page 22.



- 2 Press .**

The CLEAN lamp and the DRY lamp glow, and the “AUTO” mode will start after approximately 6 seconds.

- It is not possible to change the mode after the “AUTO” mode has started.

Clean
10 min



Dry
80 min*



Charge
0 to 60 min



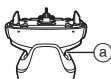
*When the ambient temperature of the self-cleaning recharger is low (approx. 15 °C or lower), the drying process will take up to 170 min.

- See page 10 for the navigation monitor.
- See page 10 for the navigation LED.

- 3 Remove the adaptor after the selected mode is completed.**

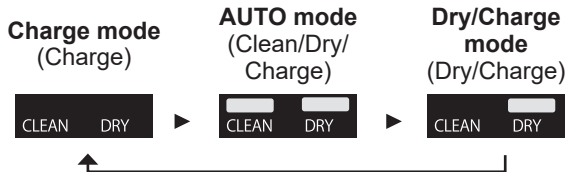
Clean the shaver with water or with the cleaning brush once per month. (See pages 18 to 20.)

The main unit neck section (a), trimmer, system outer foil gaps, etc. cannot be cleaned with the self-cleaning recharger.



Changing the mode of self-cleaning recharger

The “Charge” mode starts when attaching the shaver, and the mode can be changed by pressing the SELECT button.



Notes

- Do not press the cleaning liquid unit removal button during cleaning as the cleaning liquid may spill causing a malfunction.
- The drying time may increase in an ambient temperature approximately 15 °C or lower. The Clean or Dry function may not operate under extreme low temperatures (approximately 0 °C or lower).
- A lubricant constituent is included in the detergent, so smooth shave is maintained without applying oil.

Cleaning thoroughly

Cleaning with water

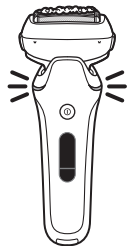
- The self-cleaning recharger cannot be washed with water.
- Turn the shaver off and disconnect the USB plug.
- Check that the socket cover is closed.

1 Apply some hand soap and some water to the system outer foil.



2 Press ① and make foam for several seconds, then press ① to stop making foam.

- The navigation LED glows white.



3 Remove the outer foil section and clean with running water.

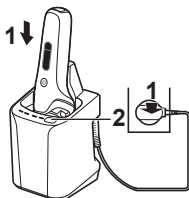
- See page 20 for removing the outer foil section.



- After rinsing with water, shake the shaver up and down for a few times to remove excess moisture and then wipe off any drops of water with a dry cloth.

4 Attach the outer foil section and dry with the self-cleaning recharger.

1. Insert the shaver into the self-cleaning recharger and plug the adaptor into a household outlet.
2. Press **SELECT** twice.



- The DRY lamp glows, and the “Dry/Charge” mode will start after approximately 6 seconds.
- It is possible to change to the “AUTO” mode even after the “Dry/Charge” mode has started.

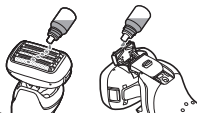


3. Remove the adaptor after the selected mode is completed.

5 Lubricate the shaver.

It will keep the movement of the blades smooth and maintain a comfort shave.

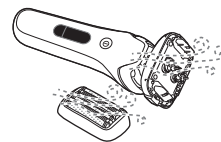
1. Apply one drop of oil to each of the system outer foils.
2. Raise the trimmer and apply a drop of oil.
3. Switch the shaver on, and run it for approximately five seconds.



4. Switch off the shaver, and wipe off any excess oil from the system outer foil with a soft cloth.

► Drying the shaver without the self-cleaning recharger

Dry in a shade and apply oil.



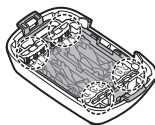
Notes

- Do not use any kitchen or bathroom detergents other than hand soap. Doing so may cause malfunction.
- Be careful not to hit the main body on the sink or any other object while draining the water. Failure to do so may cause malfunction.
- Do not wipe with thinners, benzine, alcohol etc. Doing so may cause malfunction, cracking or discoloration of the parts. Wipe with diluted soapy water.
- Do not use the self-cleaning recharger while droplets or soap remain on the shaver. Doing so may change the concentration level or composition of the cleaning liquid in the cleaning liquid unit, which may degrade cleaning, sterilization, lubrication and drying performance. This may also cause cleaning liquid to spill from the self-cleaning recharger.

Cleaning with the brush

Remove the outer foil section.
(See this page.)

Clean the system outer foil in the areas indicated by the circles every time you use the shaver. Otherwise, abnormal sound may be generated.



► Cleaning with the long brush

Clean the foil frame, system outer foil, the main body and the trimmer using the long brush.



Replacing the system outer foil

 appears on the lamp display once every 18 months.
(Based on one 3-minute shave use per day)
We recommend checking the system outer foil when it appears.

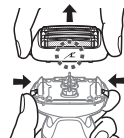
- Press the power switch for more than 30 seconds until  turns on to reset the cumulative usage duration.
- The navigation LED blinks white (1 per second) to indicate the replacement timing.

system outer foil	Approximately once every 18 months*
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* The replacement timing is a recommendation and is subject to individual usage and preference.

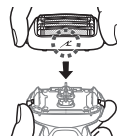
► Removing the outer foil section

Press the foil frame release buttons and lift the outer foil section upwards.



► Attaching the outer foil section

After turning the foil frame mark (⚡) to the front, securely attach the outer foil section to the shaver until it clicks.



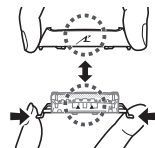
► Replacing the system outer foil

1. Press the system outer foil release buttons and pull down the system outer foil.

- Do not press the system outer foil release buttons with excessive force.

Doing so may bend the system outer foil, preventing complete attachment to the foil frame.

2. Align the foil frame mark (⚡) and the system outer foil mark (Δ) and securely attach together until it clicks.



Note

Do not throw away the foil frame.

Replacing the cleaning liquid

If the STATUS lamp glows for 5 seconds when the SELECT button is pressed, the cleaning liquid needs to be replaced.

- Even if the STATUS lamp does not light up, replace the cleaning liquid after 6 months have passed.

1 Remove the AC adaptor and remove the cleaning liquid unit. (See page 13.)



2 Wash away the old cleaning liquid.

- It can be drained as sewage.

3 Rinse the cleaning liquid unit.

- Pour water as illustrated while tilting the cleaning liquid unit and shaking it gently.
- You can clean with the cup divider removed.



After washing, be sure to attach the cup divider.

4 Gently wipe off any beard trimmings attached to the inside of the cleaning tray (a) with a cloth or tissue paper dampened with water.

- Clean the corners and uneven parts of the cleaning tray with a cotton swab dampened with water.



5 Prepare the new cleaning liquid. (See page 13.)



The symbol on the left means “Do not wash the self-cleaning recharger with water”.

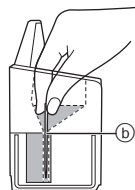
Notes

- The cleaning liquid will decrease every time it is used, but do not add detergent and water except when replacing the cleaning liquid. Doing so may deteriorate the cleaning function.
- Do not wash the self-cleaning recharger unit with water.
- Do not wipe with thinners, benzene, alcohol etc. Doing so may cause malfunction, or cracking or discoloration of the parts. Wipe with diluted soapy water.

► When the water does not drain from the cleaning tray

- Do not tilt the self-cleaning recharger to pour out water. Doing so may cause the cleaning liquid in the cleaning liquid unit to spill or cause the self-cleaning recharger to malfunction.
- Beard trimmings may clog the drain at the bottom of the cleaning tray. In this case, you cannot clean or dry the shaver.

1. Be sure to remove the AC adaptor from the self-cleaning recharger.
2. Place the self-cleaning recharger on a flat surface, and push the beard trimmings down through the drain (b) with a toothpick etc.



► Replacement parts and optional parts

Replacement parts and optional parts are available at your dealer or Service Centre.

Replacement parts for ES-L690U	System outer foil	WES9610
Special Detergent for Shaver Cleaning & Charging System		WES4L03
USB power adaptor		ES-RU1-02

When the LOW/STATUS lamp glows

It indicates that the cleaning liquid is due for replacement when the LOW lamp or STATUS lamp glows for approximately 5 seconds when the SELECT button is pressed.

Lamp on the self-cleaning recharger	Content of notification
The LOW lamp glows. ►	Replacement of the cleaning liquid is required in approximately 7 days. Prepare the detergent.

Lamp on the self-cleaning recharger

The STATUS lamp glows.

Content of notification

► Replace the cleaning liquid. (Modes other than the "AUTO" mode can be used even if it is not replaced.)

If you think the replacement should not be due yet.

- Is the cleaning liquid unit correctly attached?
- Is the self-cleaning recharger placed in a level surface?
- Is the self-cleaning recharger used outside the range of the recommended usage temperature? (Only "Charge" mode can be used.)

FAQ

Question	Answer
Does this product require inner blades? ►	Outer foils and inner blades are integrated into the system outer foil.

Question	Answer
Why does "Dry/ Charge" mode take longer than "AUTO" mode?	This is due to the difference in the drying time. The drying time for the "Dry/ Charge" mode is set longer as there may still be excess moisture on the areas other than the system outer foil after the shaver has been rinsed and cleaned with water.
Can I refill the self-cleaning recharger with water when the cleaning liquid has decreased?	Do not refill with water as doing so may deteriorate the cleaning function. Replace the cleaning liquid.
Can the self-cleaning recharger be used to wash other models?	Doing so may cause malfunction, so do not use with other models.
Will the battery deteriorate if not used for an extended period of time?	The battery will deteriorate if not used for over 6 months, so make sure to perform a full charge at least once every 6 months.
Can I charge the shaver after every use?	The battery used is a lithium-ion, so charging after every use will have no effect on battery life.

Question	Answer
Why should the adaptor be disconnected after charge?	Continuing to charge the battery will not affect battery performance, but disconnect the adaptor for safety and to save energy.
What is the constituent of the dedicated oil and the detergent?	Oil: Liquid paraffin Detergent: Non-ionic surfactant agent, antimicrobial agent, lubricant and fragrance.
Why does the appliance beep twice after switched off?	The sound indicates that the battery capacity is running low. Please charge the appliance.

Troubleshooting

Perform the following actions.

If the problems still cannot be solved or all self-cleaning recharger's lamps blink, contact the store where you purchased the unit or a service centre authorized by Panasonic for repair.

► Self-cleaning recharger

Problem	Action
The system outer foil has not been thoroughly washed.	If the shaver is not cleaned for more than 2 weeks, first clean with the cleaning brush to remove beard trimmings. (See page 20.)
	Do not add detergent and water except when replacing the cleaning liquid. Doing so may deteriorate the cleaning function. (See page 21.)
	After cleaning, oil-like droplets may remain on the outside of the foil frame. This is the lubricating component of the cleaning liquid and does not indicate a problem. You may wipe it off with a soft cloth.
The system outer foil is not dry or is sticky.	The system outer foil may not dry quickly due to temperature conditions. Run the "Dry/Charge" mode again or wipe with a soft cloth before shaving.

Problem	Action
The system outer foil cracks or deforms during cleaning.	Do not insert any foreign objects into the recharger. Remove foreign objects in the cleaning tray. (See page 21.) Replace the system outer foil. (See page 20.)
The cleaning liquid has foamed.	If you mix soapy water or hand soap with the detergent or use another detergent, the cleaning liquid will foam. Use the self-cleaning recharger after thoroughly washing and drying the shaver. Replace the cleaning liquid. (See page 20.)
Cleaning liquid has accumulated in the cleaning tray.	Remove any waste, etc. that has accumulated in the drain at the bottom of the cleaning tray. (See page 21.) If you use the self-cleaning recharger when the shaver is wet or when soap or shaving gel is on the shaver, cleaning liquid may accumulate in the cleaning tray.

Problem	Action
The cleaning liquid unit cannot be removed.	▶ Place the self-cleaning recharger on a hard, horizontal surface. (See page 13.)
Cleaning liquid leaked from the cleaning liquid unit.	▶ Do not press the cleaning liquid unit removal button during any mode.
	▶ Place the self-cleaning recharger horizontally.
	▶ If you use the self-cleaning recharger when the shaver is wet or when soap or shaving gel is on the shaver, cleaning liquid may leak.

Problem	Action
The mode does not start.	▶ Check that the AC adaptor is connected to the self-cleaning recharger, and that the adaptor is plugged in to a household outlet. (See page 17.)
	▶ Confirm that the shaver is properly attached to the self-cleaning recharger. (See page 17.)
	▶ The Clean or Dry function may not operate under extreme low temperatures (approximately 0 °C or lower).
Shaver does not charge.	▶ Check if the STATUS lamp is glowing. (See page 22.)
	▶ Gently wipe the main body rear terminals and the charging terminals of the self-cleaning recharger with a cloth or tissue dampened with water.

Problem	Action
Makes a loud sound. ▶	During cleaning: The self-cleaning recharger makes a loud sound due to the cleaning of the system outer foil. After cleaning: The self-cleaning recharger makes a loud sound due to the removal of water droplets in order to speed drying. The sound after cleaning is different from the sound during cleaning. The water level has dropped and it is removing water droplets from the system outer foil after cleaning. This does not indicate a problem.

► Shaver

Problem	Action
The power switch does not turn ON. ▶	The appliance may not unlock depending on usage conditions. Place the appliance on the desk, then pick it up again. If it still does not operate, press and hold the power switch for more than 2 seconds to forcibly unlock the appliance.
The power will not switch to OFF. ▶	Press the power switch twice while using in shaving foam mode.

Problem	Action
The shaving sensor does not respond.	Depending on the beard thickness or the amount of beard trimmings in the shaver head, the shaving sensor may not react and the driving sound may not change. This is not abnormal.
	▶ The shaving sensor may not respond depending on the type and quantity of the shaving gel. This is not abnormal.
	▶ The shaving sensor may not respond when the remaining battery capacity is low. If this happens, recharge the shaver.
	Apply oil. (See page 19.) ▶ The shaving sensor may not respond when there is not enough oil on the system outer foil.

Problem	Action
The shaving sensor responds even though the shaver is not in contact with the skin.	▶ Clean the beard trimmings from the shaver. Clean the system outer foil with the brush. (See page 20.) Wash the system outer foil with water. (See page 18.) ▶ Replace the system outer foil.
Foam cannot be made in shaving foam mode.	▶ Making foam may be difficult depending on the type of facial cleansers etc., so adjust the amount of water or facial cleanser.
Foam made in shaving foam mode contains shavings.	▶ Before making foam, cleanly rinse off any shavings. (See page 18.)
Shaver does not operate even after charging.	▶ Use the appliance in an ambient temperature approximately 5 °C or higher.
	▶ The battery has reached the end of its life.
	▶ The shaver will not operate with the USB power adaptor connected. Please use the shaver after it has been sufficiently charged and the USB power adaptor disconnected.

Problem	Action
Shaver does not charge.	Check the appliance socket for moisture from water or facial cleanser. The overheat protection function may be actuated to stop charging. Dry the appliance socket thoroughly before attempting to charge the shaver again.
Operating time is short even after a full charge.	When the number of operations per charge starts to decrease, the battery is nearing the end of its life. ► Apply oil. ► Clean the shaver. The operating time may decrease depending on how you use the foam making mode or wet shaving.
The driving sound changes while shaving.	► The shaving sensor is operating. The sound changes depending on the beard thickness.

Problem	Action
Makes a loud sound.	Apply oil. ► The blades will not move smoothly when there is no oil on the system outer foil, requiring more power. ► The shaver makes a high-pitched sound due to the linear motor drive. This does not indicate a problem. ► Confirm that the system outer foil is properly attached. Clean the system outer foil with the brush. ► (See page 20.) Wash the system outer foil with water. (See page 18.)
The odor is getting stronger.	► Clean the shaver.
System outer foil gets hot.	► Apply oil. ► Replace the system outer foil if it is damaged or deformed. (See page 20.)
You do not get as close a shave as before.	► Clean the shaver. ► Apply oil. ► This can be improved by replacing the system outer foil.

Battery life

The life of the battery is 3 years. The battery in this shaver is not intended to be replaced by consumers. Have the battery replaced by an authorized service centre.

Removing the built-in rechargeable battery

Remove the built-in rechargeable battery before disposing of the shaver.

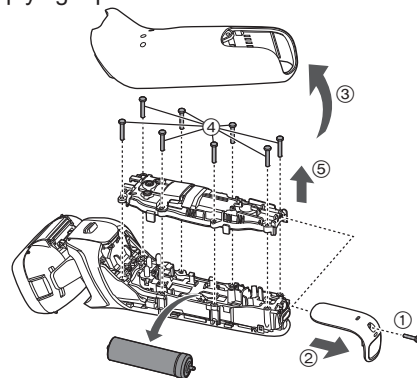
The battery is to be disposed of safely.

Please make sure that the battery is disposed of at an officially designated location if there is one.

This figure must only be used when disposing of the shaver, and must not be used to repair it. If you dismantle the shaver yourself, it will no longer be waterproof, which may cause it to malfunction.

- Remove the shaver from the USB power adaptor.
- Press the power switch to turn on the power and then keep the power on until the battery is completely discharged.

- Perform steps ① to ⑤ and lift the battery, and then remove it.
- Take care not to short circuit the positive and negative terminals of the removed battery, and insulate the terminals by applying tape to them.



For environmental protection and recycling of materials

This shaver 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.

Specifications

Shaver

Motor voltage	3.6 V $\equiv$
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AC adaptor (RE7-87)

Power source	See the name plate on the AC adaptor. (Automatic voltage conversion)
Charging time	Approx. 1 hour

USB power adaptor (ES-RU1-02) (Sold separately)

Output rating of applicable adaptor	5.0 V $\equiv$ 1.0 A In compliance with the Safety Extra Low Voltage (SELV) system
Charging time	Approx. 2 hours

This product is intended for household use only.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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