

# Panasonic®

## Operating & Installation Instructions

Fully Automatic Washing Machine  
(Household Use)

Model No. **NA-FD135Z3**



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**Thank you for purchasing this product.**

- Read these instructions carefully for optimum performance and safety before use.
- Keep this manual for future reference.

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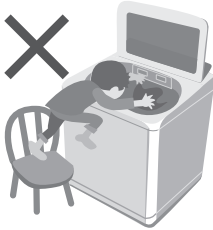


# Safety Precautions

## **WARNING**

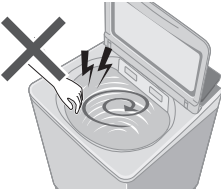
### May cause serious injury or death.

#### Children must not use it alone.

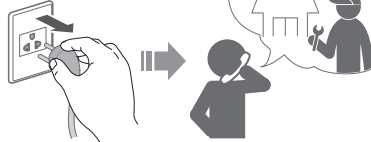


- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children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

#### Do not touch the tub until it stops.



- If the tub does not stop within 15 sec:

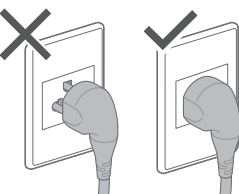


### May cause fire or electric shock.

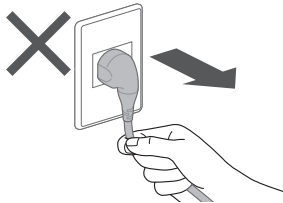
#### Do not touch it with wet hands.



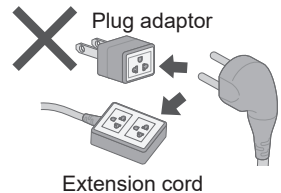
#### Fully insert it.



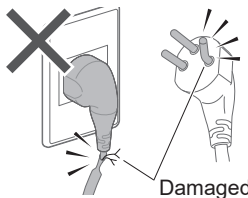
#### Do not hold or pull on the cord.



#### Do not use.

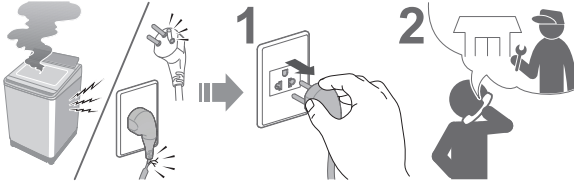


#### Do not use.

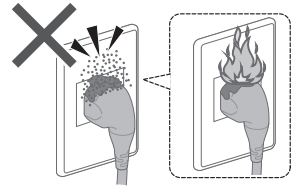


- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

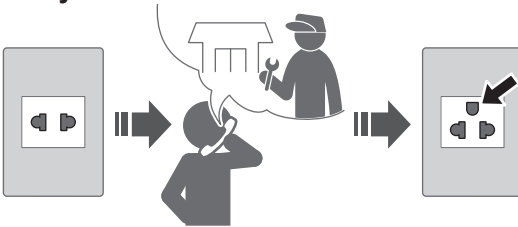
**In case of failure or damaged power cord, stop use and ask the electrical technician.**



**Accumulated dust may cause fire.**



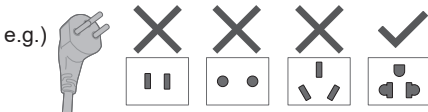
**Securely insert the ground prong.  
Call your local dealer for a new socket.**



**Wipe the power plug periodically.**

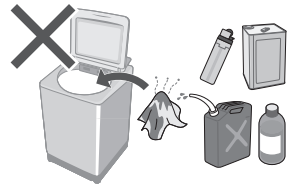


**Use a socket appropriate for this appliance.**



- The plug shape, socket shape and rating requirement varies with the region.

**Keep away from flammable materials.**



## May cause failure.

**Never disassemble, repair or modify it by yourself.**



**When using the “Panasonic SmartApp+” app**

(Cause of malfunction due to radio waves from the appliance)

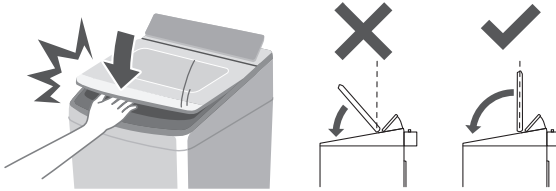
- Keep at least 15 cm away from the mounting part of the cardiac pacemaker.
- Keep away from medical equipment and automatic control equipment (automatic doors, fire alarms, etc.).

# Safety Precautions (continued)

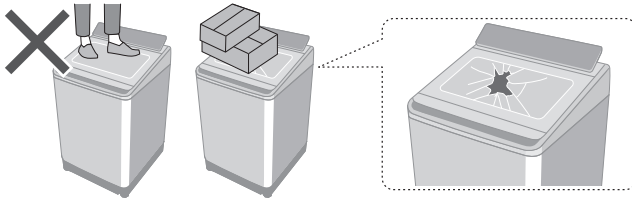
## CAUTION

### May cause injury.

Be careful not to get your fingers caught.

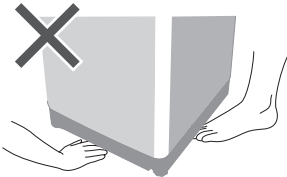


Do not climb or put objects on the appliance.



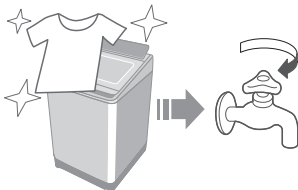
- If the lid is broken, immediately stop using.

Be careful of your hands and feet.

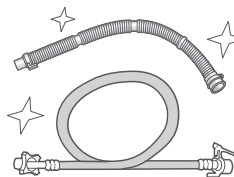


### May cause water leakage.

Turn off the water faucet.



Use new hose-sets.

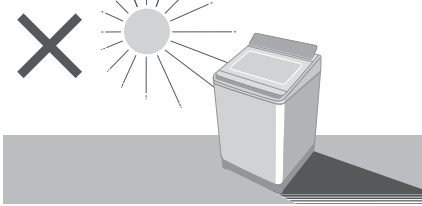


- New hose-sets supplied with the appliance are to be used and old hose-sets should not be reused.

■ For maximum mass of dry cloth and pressure of tap water, see Page 55.

## May cause failure.

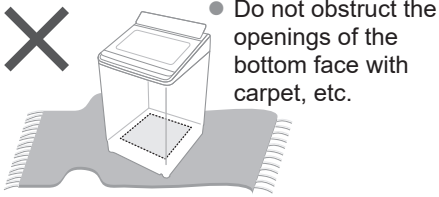
**Keep away from heat and direct sunlight.**



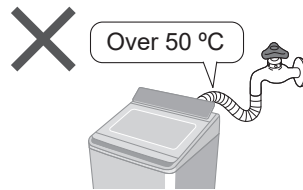
**Do not wash waterproof items.**



**Do not obstruct.**



**Do not use hot water.**



**For machine-washable items only.**

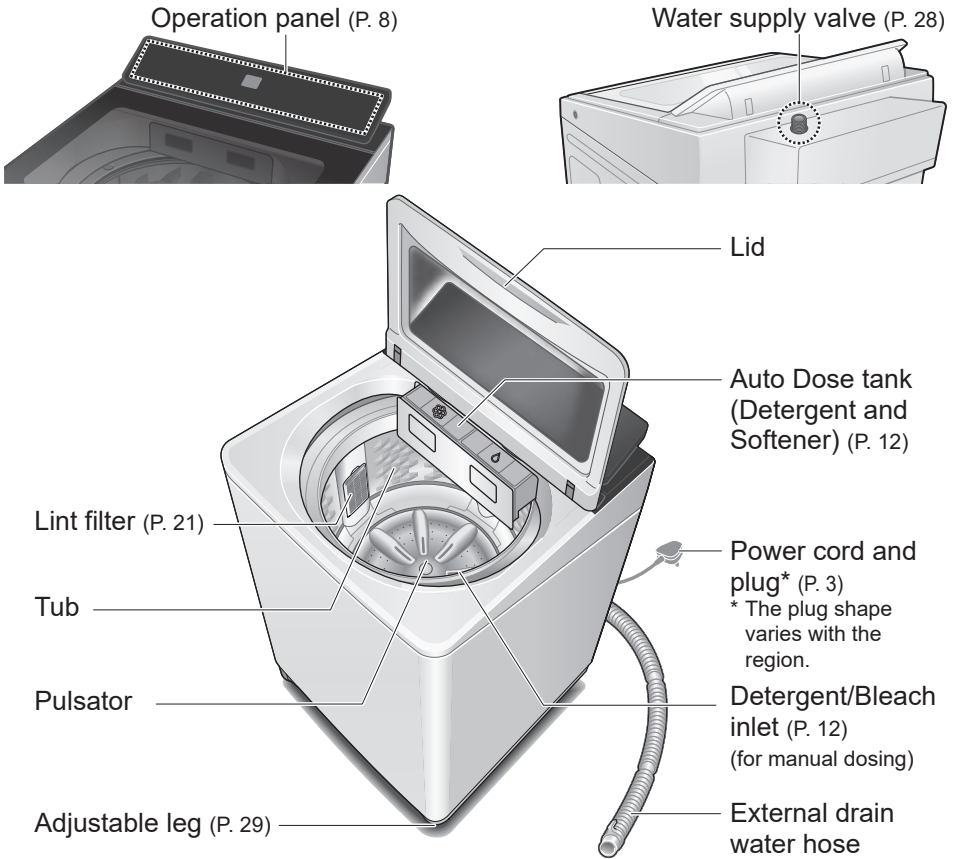


● This appliance is intended to be used in household. This appliance is not intended to be used in applications such as:

- Staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- areas for communal use in blocks of flats or in laundrettes.

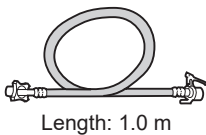
# Part Names / Accessories

## Part names



## Accessories

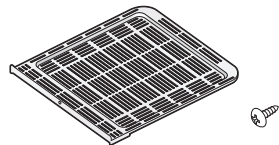
- Water supply hose (1) (P. 28)



- External drain water hose (1) (P. 27)



- Bottom cover (1) /Screw (1) (P. 27)



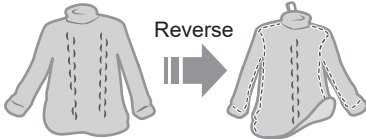
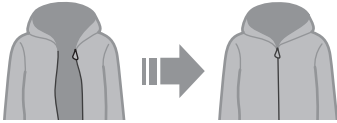
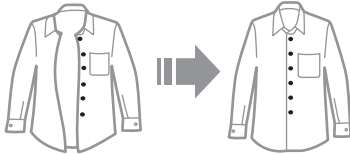
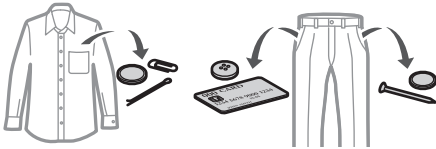
- Water tap adaptor (1) (P. 28)



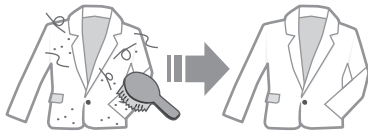
# Before Washing

## Laundry preparation and check

### Pre-laundry check

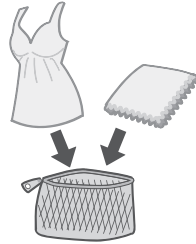


Clothes likely to pill



Paper diapers

### Use laundry nets for delicates



Overpack



### For "Stain Master" (P. 18)

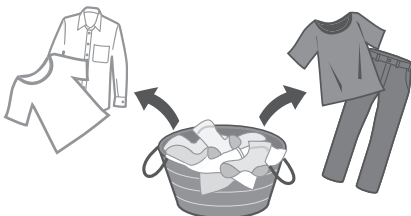
- Pretreatment for heavy stains



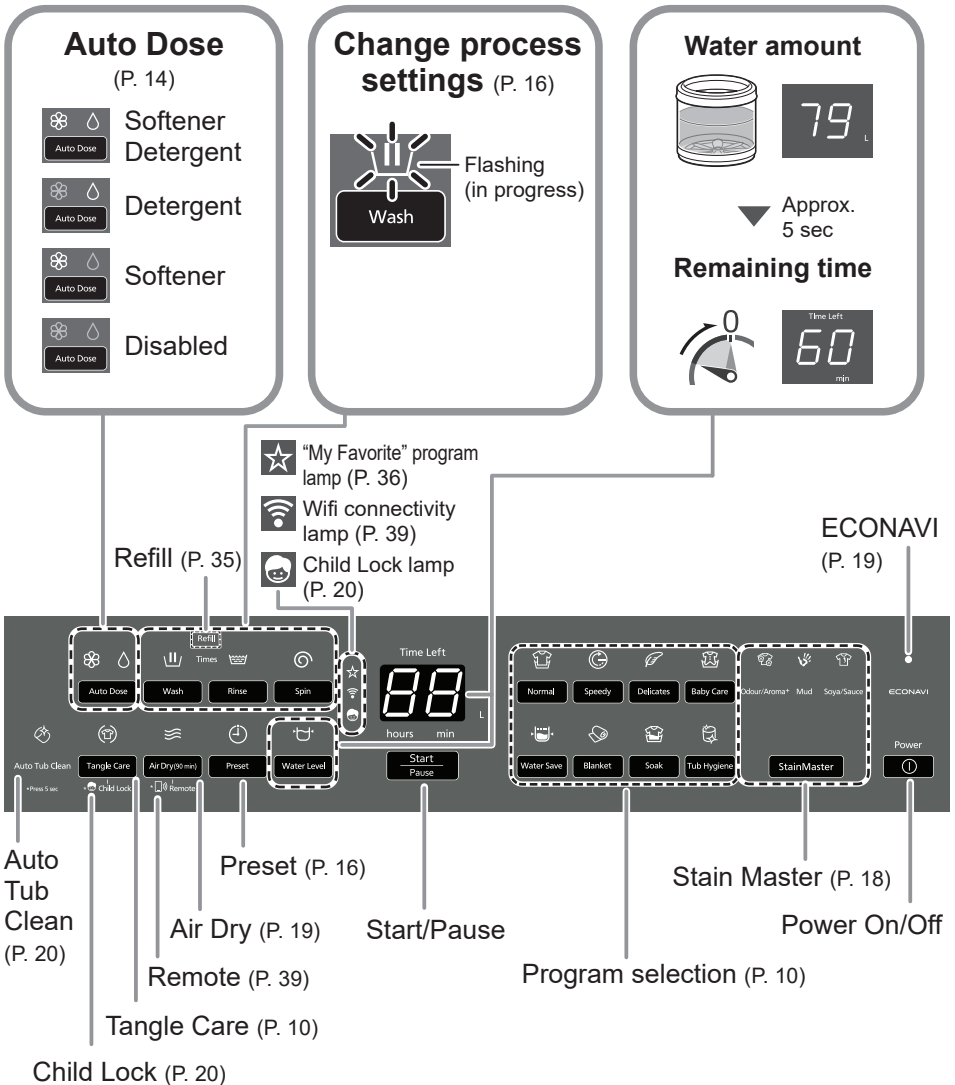
- Observe the clothes' care labels



### To prevent colour staining



# Operation Panel



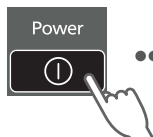
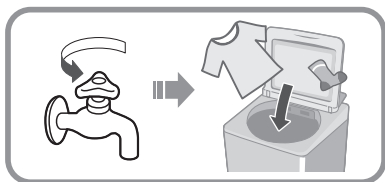
## NOTE

- In case of a power failure.
  - ⇒ Operation will resume from where it stopped when the power recovers.
- If you do not press **Start/Pause** within 10 minutes after power-on.
  - ⇒ Auto power off.
- The wash process setting of the "Stain Master" and "Soak" programs cannot be changed.

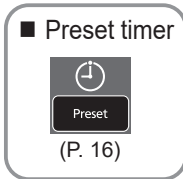
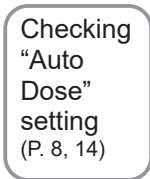
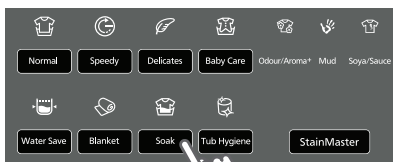


# Washing

1

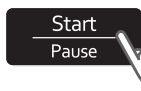


2



3

Measures the amount of laundry.



10 sec



5 sec

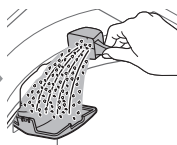


20 sec



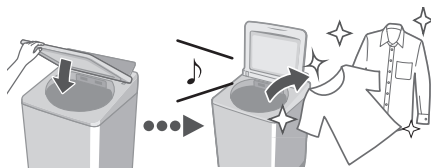
4

(for manual dosing)



(P. 13)

5



## ■ After pressing “Start”

- To change each operation (while washing).













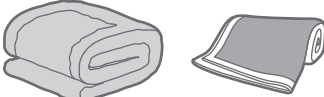















- To check or change the water level (while washing).



- You cannot change the program.

# Variety of Programs

	Program	Purpose	Max. capacity (kg)
Wash	 <b>Normal</b> (P. 9)	<ul style="list-style-type: none"> <li>● Everyday clothes</li> </ul> 	13.5
	 <b>Tangle Care</b> (P. 9)	<ul style="list-style-type: none"> <li>● Anti-tangling</li> <li>• Washing more gently than “Normal” to reduce tangle.</li> <li>• Disentangling clothes after spin: 6 kg or less.</li> </ul>	
	 <b>Speedy</b> (P. 9)	<ul style="list-style-type: none"> <li>● For light soil</li> </ul> 	13.5
	 <b>Delicates</b> (P. 17)	<ul style="list-style-type: none"> <li>● Washing gently</li> </ul> 	4.2
	 <b>Baby Care</b> (P. 9)	<ul style="list-style-type: none"> <li>● Clothes for babies &amp; sensitive skin</li> <li>Rinsing thoroughly</li> </ul> 	13.5
	 <b>Water Save</b> (P. 9)	<ul style="list-style-type: none"> <li>● Saving water</li> </ul> 	13.5
	 <b>Blanket</b> (P. 17)	<ul style="list-style-type: none"> <li>● Comforters and blankets</li> </ul>  <p>With a machine-washable tag</p>	4.2

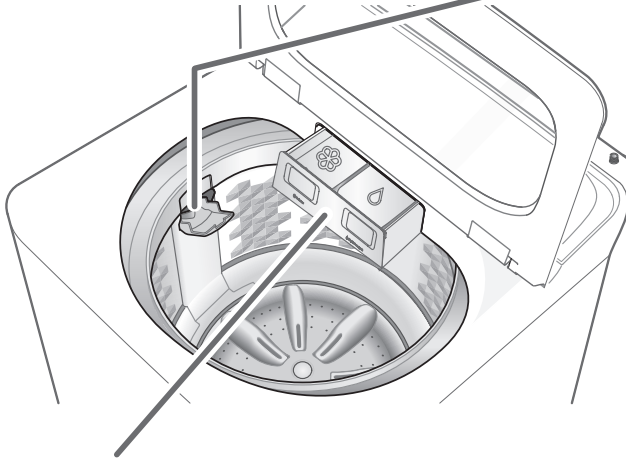
	Program	Purpose	Max. capacity (kg)
Wash	 <b>Soak</b> (P. 9)	● For heavy soil Presoaking to wash	 13.5
	<b>StainMaster</b> (P. 18)	● For the following stains	6.0
	Light  <b>Odour/ Aroma+</b>	● Use more softener to keep the scent longer	
	  <b>Mud</b>		
 <b>Soya/Sauce</b> Heavy	 5.0		
Dry	 <b>Air Dry (90 min)</b> (P. 19, 25)	● Drying synthetic fibre clothes	 2.0
Maintenance		● Tub drying	 —
	 <b>Tub Hygiene</b> (P. 25)	● Tub cleaning Removing black mould and smell	 —

**NOTE**

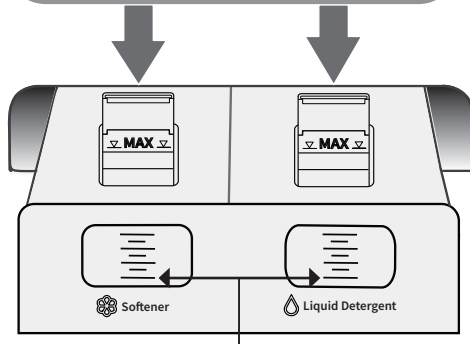
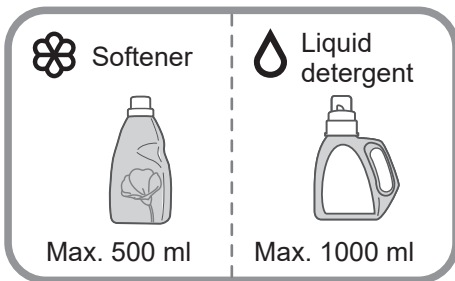
- “Normal” program and “Water Save” program are recommended for a normally soiled load at the rated capacity of this washing machine.
- “Water Save” program is recommended for use in Singapore.

# Detergent / Softener / Bleach

- Follow the instructions on each package.
- For cleaning (P. 22)
- Close Auto Dose tank completely before use.  
Push the tank until there is a “click” sound.



## Auto Dose tank



Add detergent/softener before it drops below the line.

## NOTE

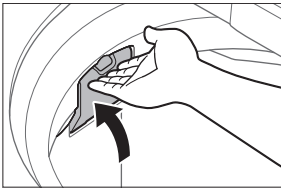
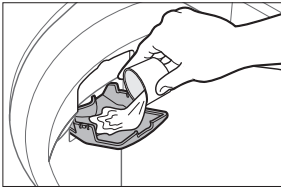
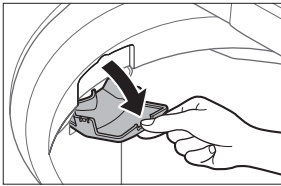
- Liquid detergent/softener left for a long time may clump or solidify. In that case, clean Auto Dose tank. (P. 22)



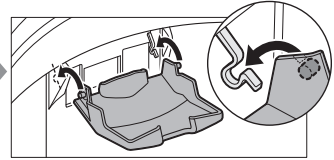
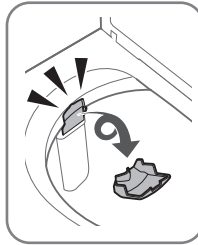
Do not use separated or solidified detergent/softener

## For manual dosing

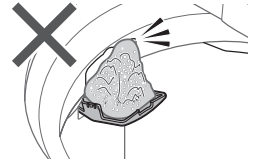
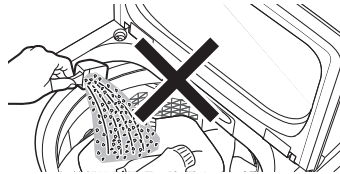
### Detergent, Bleach



e.g.) Liquid bleach



Whiten bleach  
(chlorine bleach)

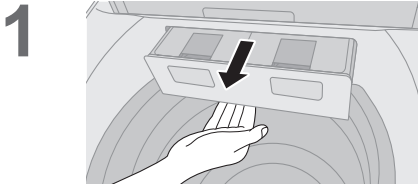


- **Do not pour detergent directly into the tub.**
- The level of foaming depends on the load size, soil, detergent, and water hardness.
- Dilute bleach with water before putting it in the detergent/bleach inlet.
- Pour detergent according to water level, follow the instructions on the package.

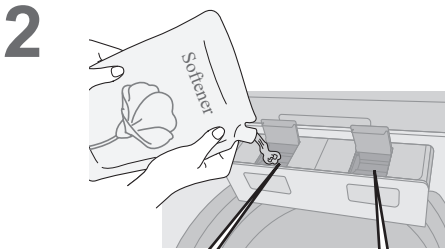
# Auto Dose

Detergent and softener will be automatically added depending on the amount of laundry and dose amount setting, available with all programs except "Tub Hygiene", "Air Dry (90 min)" and "Water Save" (Softener only). (P. 35)

## ■ To supply detergent / softener



- Press the lock at the bottom of the tank and pull it out.



Softener  
Max. 500 ml

Liquid detergent  
Max. 1000 ml

- 3** Close Auto Dose tank completely.

## ■ To set "Auto Dose" function



## ■ Standard amount

- Water: 50 L
- Liquid detergent: 60 ml
- Softener: 45 ml

## ■ To change the dose amount



- Range value
  - Detergent: 10 ml - 95 ml
  - Softener: 10 ml - 95 ml
- Step change: 5 ml

(The setting is memorized.)



## NOTE

- If there is water in the tub before, detergent and softener will not be automatically supplied when washing.

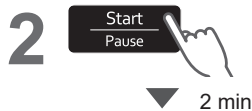
■ Q&A

	Questions	Answers
Detergent/Softener	<b>What cannot be used with “Auto Dose” function?</b>	<p>The following cannot be used:</p> <ul style="list-style-type: none"> <li>● Powder detergent</li> <li>● Liquid soap</li> <li>● Items that do not have a “Estimated amount to use” label on the package</li> <li>● Bleach</li> <li>● Powder soap</li> </ul> <p>Baking soda cannot be used for manual or auto dosing.</p>
	<b>Changing brand?</b>	<p>Follow the steps below:</p> <ol style="list-style-type: none"> <li>① Empty the Auto Dose tank and clean it. (P. 22) (Mixing different brands can cause clogging)</li> <li>② Add new detergent/softener. (P. 14)</li> </ol>
	<b>Can I add more before it runs out?</b>	The same brand can be added as it is.
	<b>What is the standard amount for detergent/softener?</b>	<ul style="list-style-type: none"> <li>● The standard amount is the amount of detergent/softener used per 50 L of water. Check information on the package.</li> <li>● If there is no information on the package or if you are unsure, contact the manufacturer.</li> </ul>
How to use “Auto Dose” function	<b>How many times can the laundry be washed with Auto Dose tank full?</b>	<ul style="list-style-type: none"> <li>● Detergent and softener: about 17 times</li> </ul> <p>The number of times varies depending on the amount of laundry and dose amount setting.</p>
	<b>If you do not set the dose amount?</b>	<ul style="list-style-type: none"> <li>● The standard amount is               <ul style="list-style-type: none"> <li>• 60 ml detergent per 50 L water</li> <li>• 45 ml softener per 50 L water</li> </ul> </li> <li>● If the settings are not appropriate for detergent/softener you are using, stains may not come off or the laundry may darken.</li> </ul>
	<b>What happens if put detergent in detergent/bleach inlet while setting “Auto Dose” function?</b>	Because it is put in twice, it will be too much.

# Washing Options

## Preset

Set how many hours later to finish operation.



All other indications turn off.



Normal	2 - 24
Speedy	1 - 24
Delicate	-
Baby Care	2 - 24
Water Save	2 - 24
Blanket	-
Soak	3 - 24
StainMaster	2 - 24
Air Dry(90 min)	-
Tub Hygiene	-

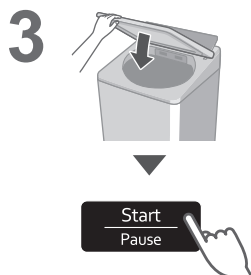
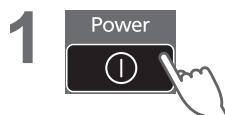
■ To confirm



■ To cancel or change



## Wash / Rinse / Spin



### NOTE

- Not available for "Tangle Care".

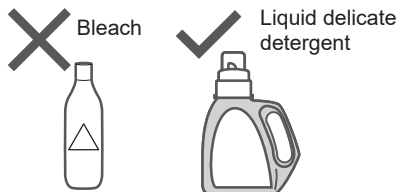




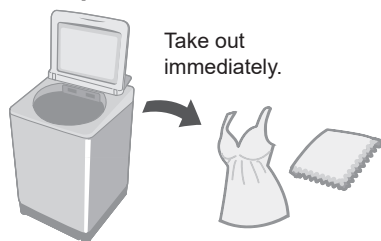
## Delicates

65 L	4.2 kg
55 L	3.0 kg

### NOTE

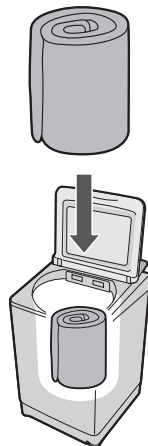


### ■ After operation ends

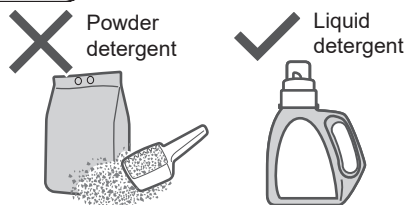


## Blanket

Max. water amount	4.2 kg <ul style="list-style-type: none"><li>• 100 % synthetic fibre</li><li>• 100 % cotton</li></ul>
-------------------	---



### NOTE



### NOTE

- The water amount indication shows the maximum and cannot be changed.

# Washing Options (continued)

## Stain Master

Preparation: (P. 7)



1



2



■ Timer preset (hours) (P. 16)

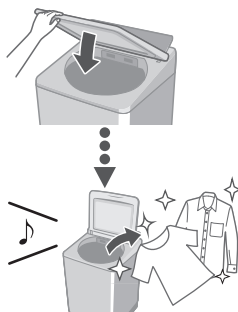
3



4

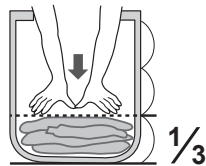


5



### NOTE

- Max. capacity (P. 11)

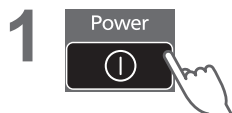


- Max. water amount: 65 L
- You cannot change the wash process setting of this program.

## Air Dry (90 min)

The air blown from the tub rotation removes water from clothes.

- Dryable clothes: Synthetic fibre (Max. 2.0 kg)



### NOTE

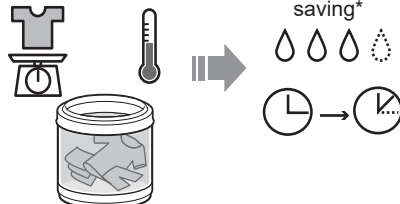
- Clothes may not be sufficiently dried (depends on amount and type of clothes, and the temperature).
- This function does not use a heater. Clothes may be cold and half dry.

## ECONAVI

- “Normal” program only

Weight / Temperature

Water and time saving\*



### ■ Lamp indications



Detecting

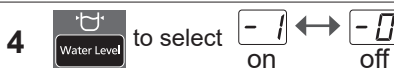
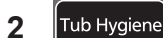


ECONAVI enabled



ECONAVI disabled

### ■ To turn on/off



\* Test conditions:

- “Normal” program
- Comparison between ECONAVI-enabled operation (amount of laundry: 2.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 13.5 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

# Convenient Functions

## Setting Auto Tub Clean

Preventing black mould, available with all programs except “Water Save” and “Air Dry (90 min)”.

### ■ Lamp indications



Operating



Function enabled

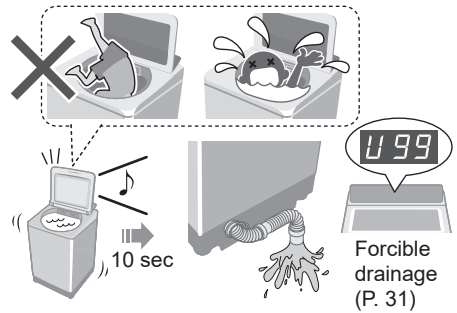


Function disabled

### ■ To turn on/off

- 1
- 2
- 3 Hold 3 sec
- 4 to select off on
- 5

## Setting Child Lock



\* This function does not lock the lid and button operations.

- 1
  - 2 Hold 5 sec
- To cancel: same procedure x4

## Cancelling end buzzer

- 1 & Hold 3 sec x2

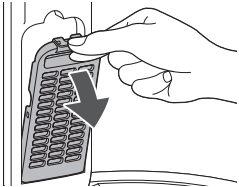
■ To reset:  
same procedure x4

# Maintenance

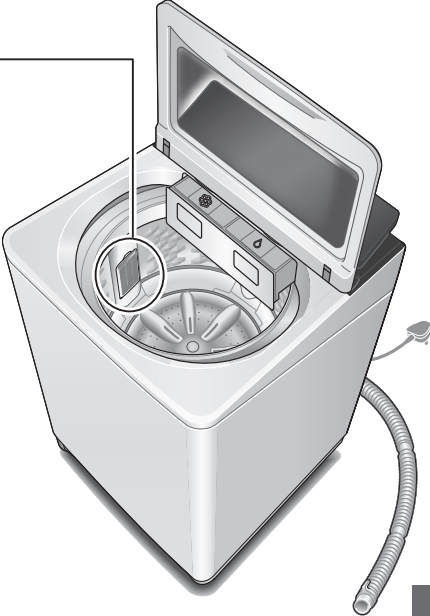
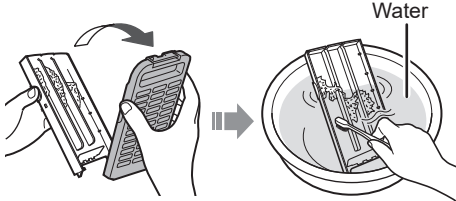
## Lint filter

After each operation

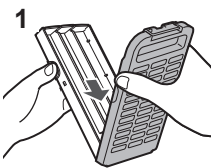
1



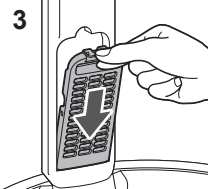
2



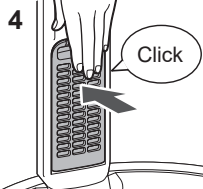
3



3



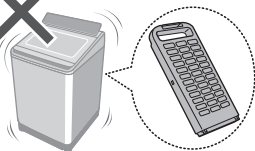
4



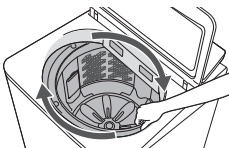
### NOTE



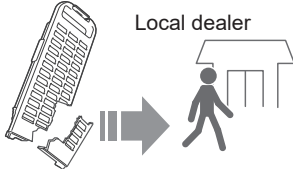
Without the filter



If it is difficult to remove the filter



If the filter is broken



# Maintenance (continued)

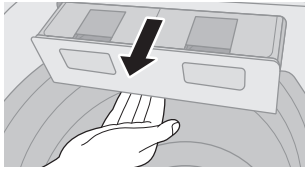
## Auto Dose tank

Once every  
3 months

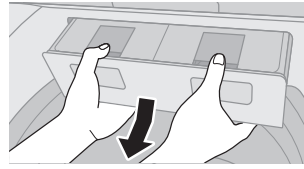
When changing detergent  
or softener brand

When not used for  
more than 1 month

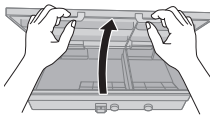
- 1** Take out the tank.  
Press the lock at the bottom  
of the tank and pull.



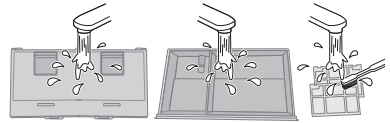
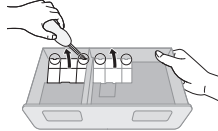
Pull it out diagonally  
downward.



- 2** Open the tank lid, remove 2 filters, then wash with water.

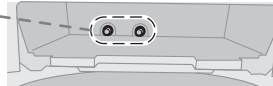


Backside

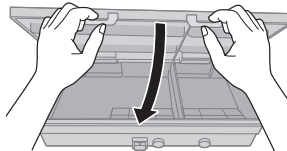
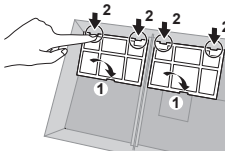


### NOTE

- Do not reuse leftover liquid detergent and softener.
- Do not wipe the joint.  
(cause of clogging)

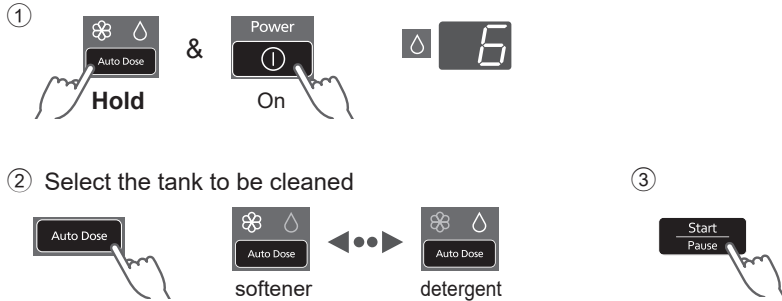


- 3** Attach filters, close the lid and attach the tank.

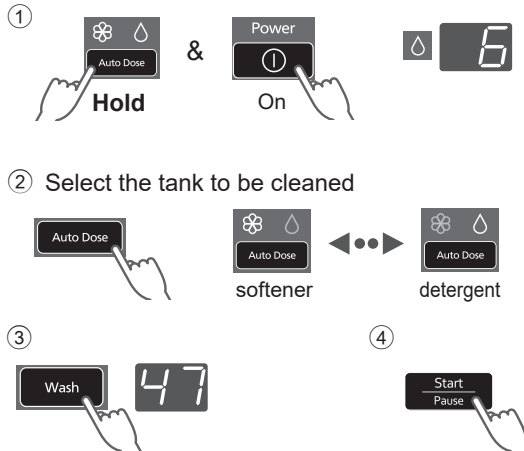


# 4

- Fill the tank about halfway with water, then close completely.
- Close the lid of washing machine and run “Auto Dose Tank Clean” function to clean (6-minute maintenance for detergent and softener each).



- If the joint is clogged, run “Auto Dose Tank Deep Clean” function to deep clean (47-minute maintenance for detergent and softener each).



# 5

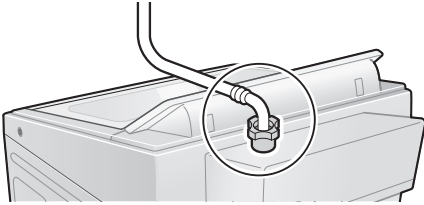
Take out the tank, discard the remaining water and wipe off the water, then attach the tank.



# Maintenance (continued)

## Water supply filter

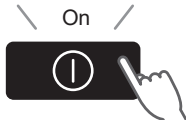
If water does not flow smoothly



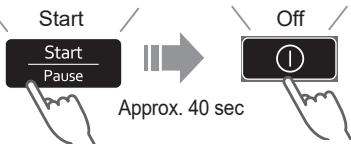
1



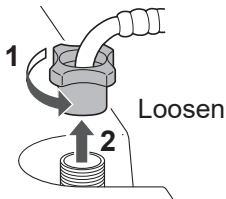
2



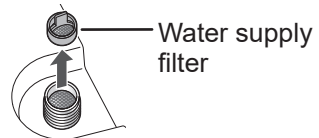
3



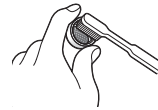
4



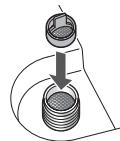
5



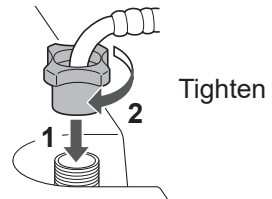
6



7



8

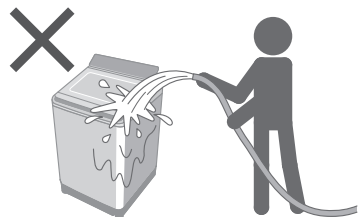


## Main unit, lid



For heavy soil

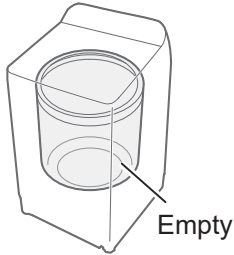
Mild kitchen detergent





## Tub

### Once a week <Air Dry>

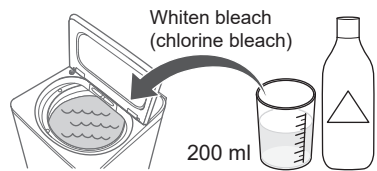


### Once a month <Tub Hygiene>

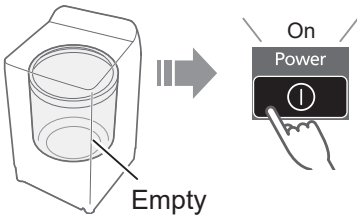
1



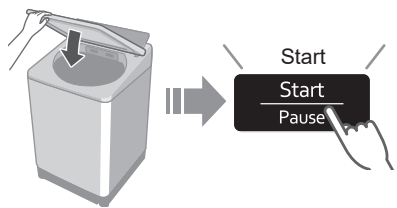
5



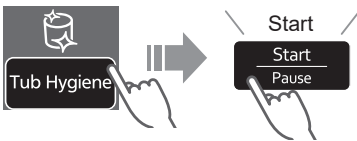
2



6

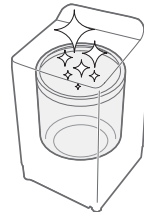
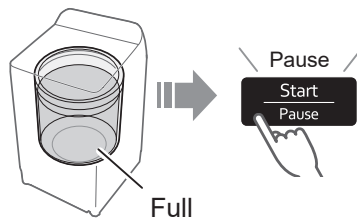


3



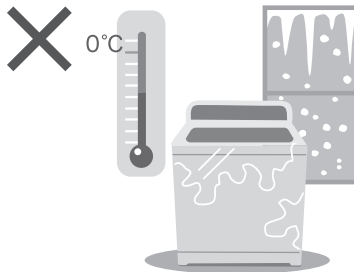
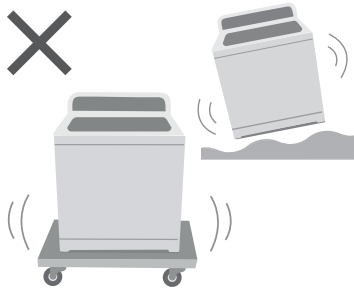
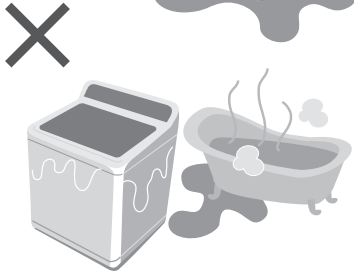
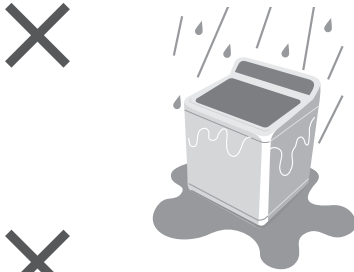
Approx. 2.5 hours

4



# Installation

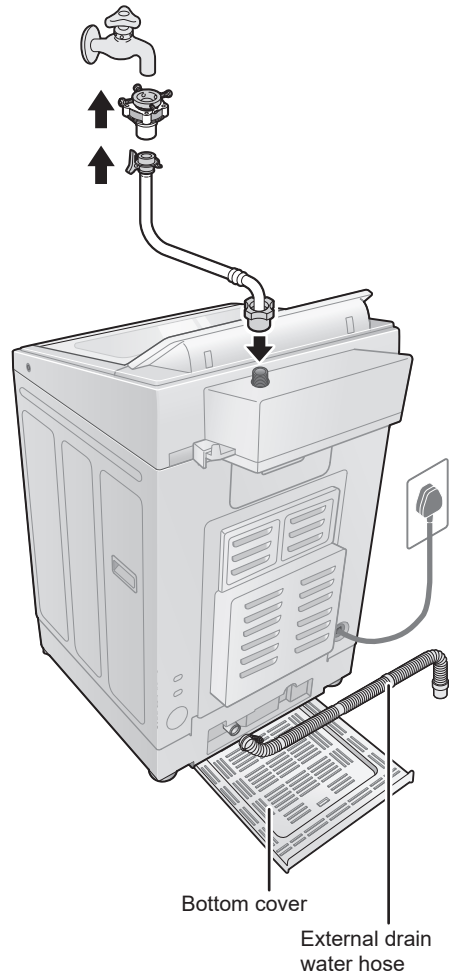
## Check the location.



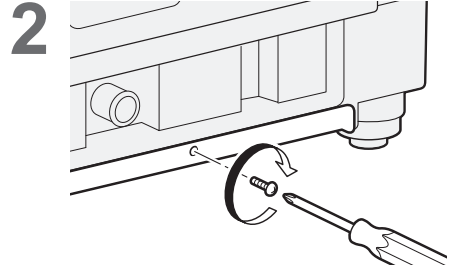
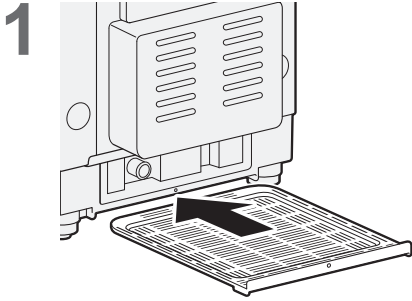
**Make sure to ask a service person for installation.**



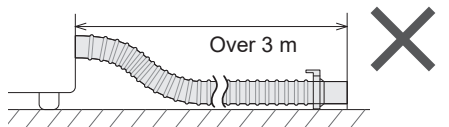
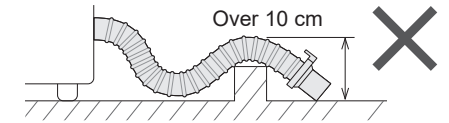
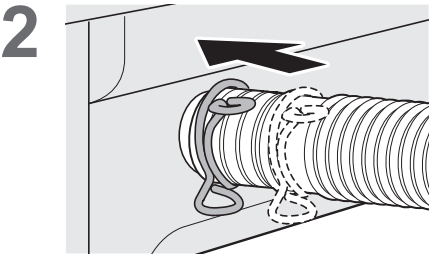
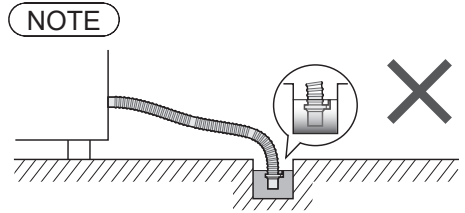
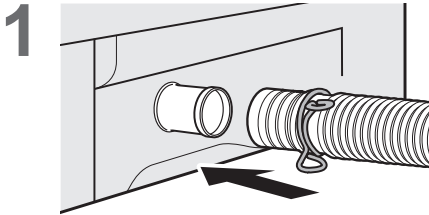
- Do not install by yourself.
- Follow this installation method.  
If you do not, Panasonic will not be liable for any accident or damage.



## Attach the bottom cover

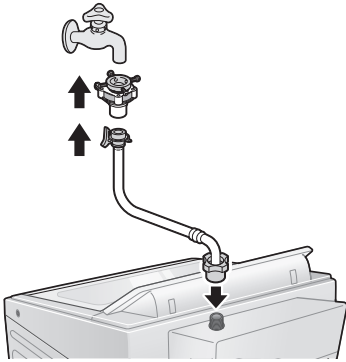


## Attach the external drain water hose

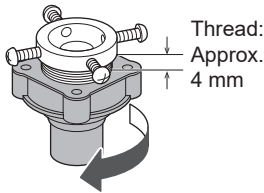


# Installation (continued)

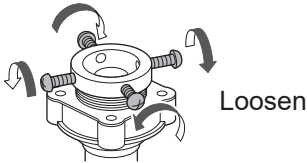
## Connect the water supply hose



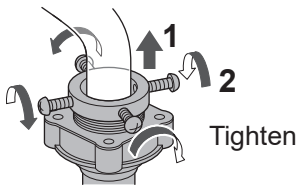
1



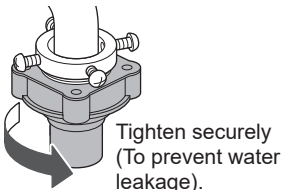
2



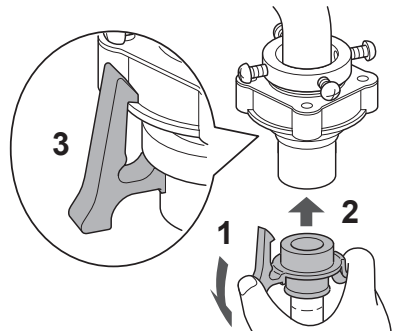
3



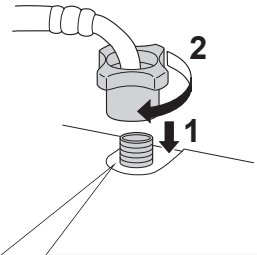
4



5



6



3

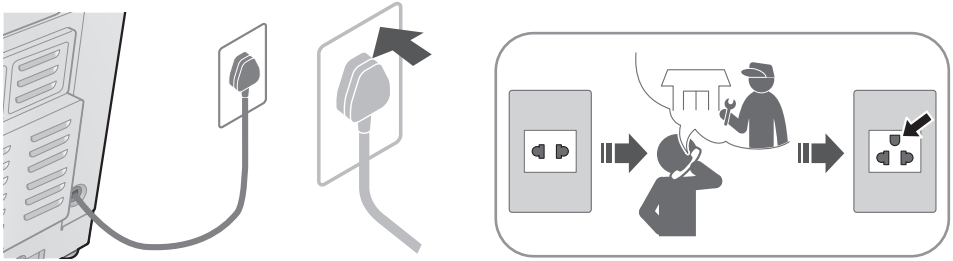
Check that the  
elbow is not loose.



**CAUTION**

- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

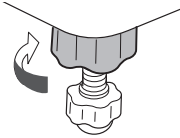
## Connect the power plug and grounding



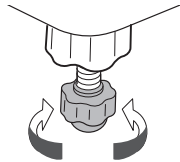
## Check that the washing machine is level

### ■ If the washing machine wobbles

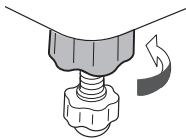
Loosen



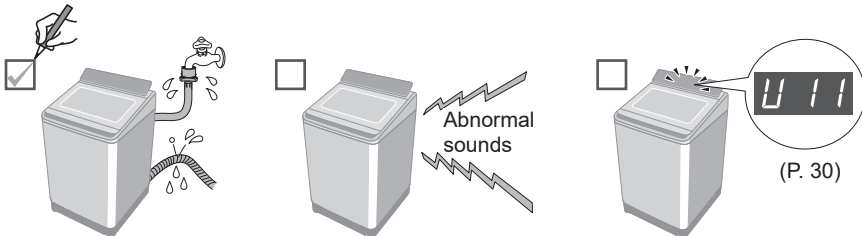
Adjust



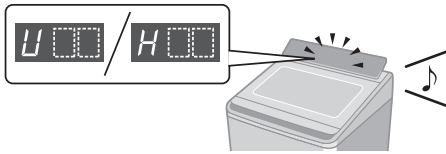
Tighten



## Trial operation

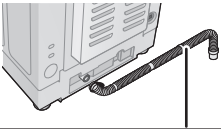
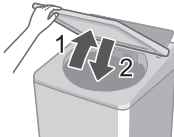
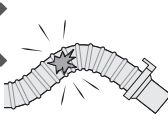
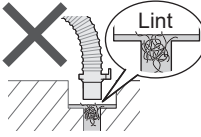
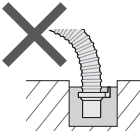
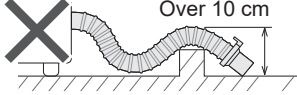
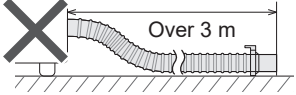
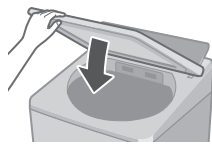



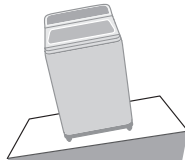
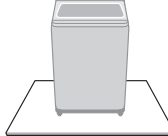
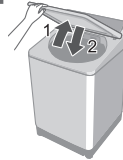


# Error Display





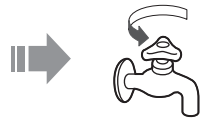

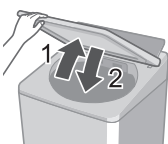
## ■ Preparation

Cancel Child Lock (P. 20)  
if it is set.



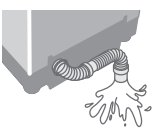
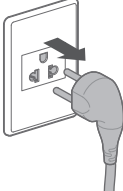
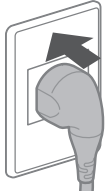

Error Display	Points to be checked
<p><b>U 11</b></p> <p>Water cannot drain.</p>	<p><b>1</b> Check</p>  <p><b>2</b></p>  <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>✗</p>  </div> <div style="text-align: center;"> <p>✗</p>  <p>Lint</p> </div> <div style="text-align: center;"> <p>✗</p>  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>✗</p>  <p>Over 10 cm</p> </div> <div style="text-align: center;"> <p>✗</p>  <p>Over 3 m</p> </div> </div>
<p><b>U 12</b></p> <p>The lid is open.</p>	<p><b>1</b></p> 
<p><b>U 13</b></p> <p>Spin or "Air Dry" is not possible.</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Uneven</p>  </div> <div style="text-align: center;"> <p><b>1</b> Even</p>  </div> <div style="text-align: center;"> <p><b>2</b></p>  </div> </div> <hr/> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Unstable or incline</p>  </div> <div style="text-align: center;"> <p><b>1</b> Stable</p>  </div> <div style="text-align: center;"> <p><b>2</b></p>  </div> </div>

Error Display	Points to be checked
---------------	----------------------


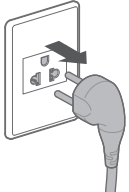

**U 14**  
**Water cannot be supplied.**

<p>Water outage</p> 	<p>Turned off</p> 	
<p>1</p>  <p>Water supply filter (P. 24)</p>	<p>2</p> 	








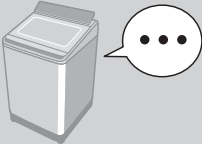


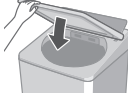






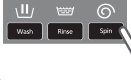
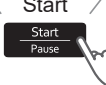


**U 99**  
**Water has been forcibly drained.**

<p>With Child Lock set</p> 		<p>Forcible drainage</p> 
<p>1</p> 	<p>5 sec</p> 	<p>10 sec</p> 












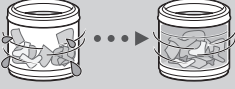
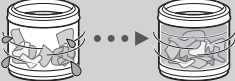


**H**  
**Inspection is required.**

<p>1</p> 	<p>2</p> 	<p>3</p> 
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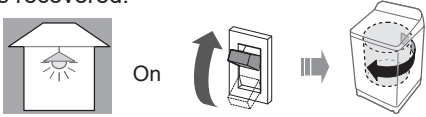




# Troubleshooting

	Symptoms	Points to be checked
Time	<p><b>Indication increases or does not decrease.</b></p> 	<p>Time indication is approximate. Remaining time is corrected during operation.</p> 
	<p><b>Longer than the indication.</b></p> 	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When clothes are uneven.</p>  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When the water drainage is not good.</p>  </div> <div style="border: 1px solid black; padding: 5px; width: 30%;"> <p>When the water supply is not good.</p>  </div> </div> <p style="text-align: center;">⇒ The operation time may be longer.</p>
	<p><b>Operation passes the preset time.</b></p> 	
Main unit	<p><b>No operation</b></p> 	<p><input type="checkbox"/> Check</p> <ul style="list-style-type: none"> <li>● Power failure </li> <li>● Timer preset </li> </ul> <p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> <li>● Close the lid. </li> <li>● Turn on. </li> <li>● Insert the power plug completely. </li> <li>● Press "Start". </li> <li>● Turn breaker on. </li> </ul>
	<p><b>Cannot change process settings (after start).</b></p> 	<p><input type="checkbox"/> Try</p> <ul style="list-style-type: none"> <li>● During wash process             <ol style="list-style-type: none"> <li>1 Pause </li> <li>2 </li> <li>3 Start </li> </ol> </li> <li>● After wash process             <ol style="list-style-type: none"> <li>1 Off </li> <li>2 On </li> </ol> </li> </ul>












	Symptoms	Points to be checked
Wash	<b>Water is supplied while washing.</b> 	When water level drops.  When amount of laundry is large.  <b>⇒ Water is added automatically.</b>
	<b>The water level too high</b> 	When laundry is wet.  When there is water in the tub before operation.  <b>⇒ The water level may be higher</b>
	<b>too low</b> 	When clothes are light (synthetic fibre, etc.).  <b>⇒ The water level may be lower.</b>
Rinse	<b>Operation started with rinse, but water is not supplied.</b> 	When there is no water in the tub.  <b>⇒ Water is supplied after spin.</b>
		When there is water in the tub.  <b>⇒ Water is supplied after water discharge and spin.</b>
Spin	<b>Spin changes to rinse.</b>	If clothes are uneven, this appliances automatically corrects unevenness by rinse process.
	<b>Rinse starts instead of spin.</b> 	
	<b>Irregular rotation</b> 	The tub rotation speed is adjusted to reduce vibration. 



# Troubleshooting (continued)

	Symptoms	Points to be checked
Others	<p><b>Power failure/Breaker off.</b></p> 	<p>Operation will resume from where it stopped when the power is recovered.</p> 
	<p><b>StainMaster has no effect.</b></p> 	<p><input type="checkbox"/> Check      <input type="checkbox"/> Try</p> <ul style="list-style-type: none"> <li>● Max. capacity (P. 11) </li> <li>● Pretreatment (P. 7) </li> <li>● Select according to the stain type. (P. 11) </li> </ul>

# Contents of Programs

Program	Total time <sup>*1</sup> (min)	Wash (min)	Rinse (times)	Spin (min)	Auto Dose		
					Detergent	Softener	
 <b>Normal</b>	65	9	2	7	✓	✓	
 <b>Tangle Care</b>	75	13	2	7	✓	✓	
 <b>Speedy</b>	50	3	2	5	✓	✓	
 <b>Delicates</b>	55	9	2	1	✓	✓	
 <b>Baby Care</b>	70	9	2	7	✓	✓	
 <b>Water Save</b>	85	12	4	5	✓	–	
 <b>Blanket</b>	70	12	2	5	✓	✓	
 <b>Soak</b>	130 <sup>*2</sup>	71 (Soak 59)	2	7	✓	✓	
<b>Stain Master</b>	<b>Odour/Aroma+</b>	85	13	2	7	✓	✓
	<b>Mud</b>	95	40	2	7	✓	✓
	<b>Soya/Sauce</b>	115 <sup>*2</sup>	62 (Soak 29)	2	7	✓	✓
 <b>Tub Hygiene</b>	150 <sup>*2</sup>	65 (Soak 62)	2	30	–	–	

\*1 Total time is approximate (When the standard water supply rate is 15 L / min and the water temperature is 28 °C).

\*2 Remaining time of 99 minutes or less will be displayed.  → 

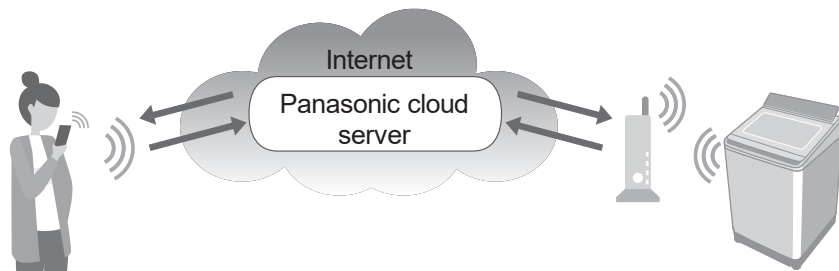
- “Refill”: to fill the tub with water and rinse while supplying water.



# Panasonic SmartApp+

More convenient with your smartphone

You can use the service using the “Panasonic SmartApp+”.

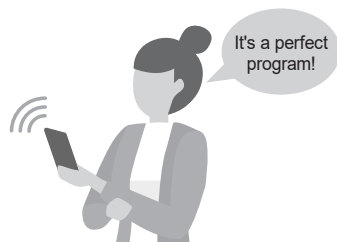


**You can operate the washing machine or set the timer with application.**

**Support program selection from program history.**

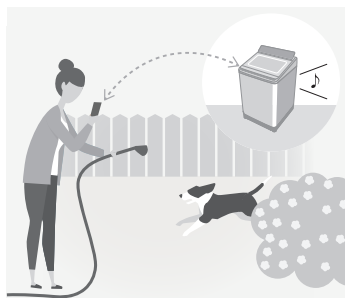
**We have “My Favorite” program. You can create original programs with your favorite settings.**

- Up to 10 programs.



Notification of washing status and end of operation.

**Clothes can be taken out immediately after washing.**



- The contents, functions and designs of this service are subject to change or termination without prior notice.

## Required Equipment and Environment

Let's check the equipment required to use the app.

- Android or iOS (iPhone) smartphone
- About supported OS

<https://www.panasonic.com/fiot/wash/>



Panasonic Website



- Wireless LAN router  
Use a wireless LAN router to connect to the internet.

- Internet environment

Please confirm that it is a broadband line.

Example) FTTH (optical fiber), ADSL, CATV (cable television), etc.

Internet communication charges will be borne by the customer.



### NOTE

- Make sure that the wireless LAN router has a communication standard of 2.4 GHz band. (Communication standards: IEEE802.11b, IEEE802.11g, IEEE802.11n) Other than the above cannot be used.
- Models that only support WEP cannot be used.
- As a security measure, be sure to use a wireless LAN router that can set the encryption method WPA3, WPA2, or WPA.
- We recommend WPA3 and WPA2 (AES) as the encryption method.
- We do not guarantee the operation of all wireless LAN routers. (Mobile router is not guaranteed to work.)



# Panasonic SmartApp+ (continued)

## Initial Settings



Follow the settings on the screen of the app.

### 1 Install the “Panasonic SmartApp+” (free)

- You can find the link to download the application from “Panasonic Website”.

<https://www.panasonic.com/fiot/wash/>



Panasonic Website

- Alternatively, you can search for the “Panasonic SmartApp+” app on Google Play (Android) or App Store (iOS) and install the app.
- You can also scan the link to install the app from the QR code pasted on the washing machine.

### 2 Follow instructions displayed on the screen of the app and register the washing machine.

- Operate in a position where you can check the display on the washing machine.
- It cannot be operated while the washing machine is running.



Use the app (P. 39)

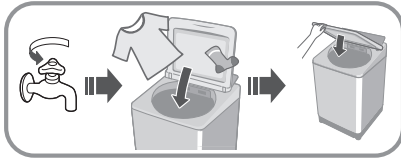
## Using the “Panasonic SmartApp+”

After initial setting is completed, you can use the app.

### Preparing to use the “Remote” function

You need to prepare the washing machine before going out.

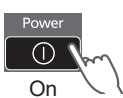
1



#### NOTE

- Close the lid completely.
- Make sure there is still detergent/softener in Auto Dose tank.

2



3



Approx. 2 sec.


After 10 min.



All other indications turn off, except:






#### NOTE

- To cancel the remote control mode → turn the power off.
- When there is no remote control from the app, the remote control mode is released after 23 hours. During remote control mode, all buttons on the appliance (except ) are disabled. You can only control the washing machine from the app. After 23 hours, the normal screen is displayed and the remote control is disabled.

To check the communication status with the lamp on control panel.

■ Lamp position

-  Light up Communicatable (Connected)
-  Blinking Trying to communicate (Connecting to server)
-  Off Not connected



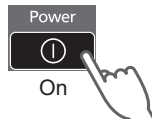
# Panasonic SmartApp+ (continued)

## Initializing

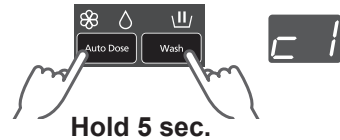
- When you stop using the “Panasonic SmartApp+”
- Suspected use due to unauthorized access
- If the appliance is a pre-owned machine

Reset the wireless LAN settings to the default settings.  
(Operate on the washing machine)  
You should also stop using the service of the app.

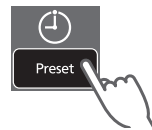
1



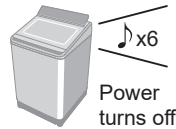
2



3



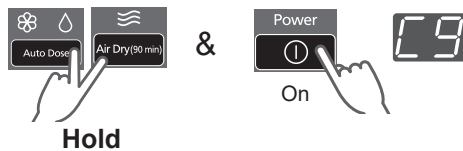
4



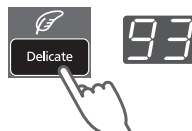
Reset all the contents such as the wireless LAN settings,  
washing machine settings, operation history, etc. to the state at  
the time of purchase.  
(Full initialization)  
(Operate on the washing machine)

When you dispose of  
or transfer the washing  
machine

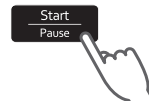
1



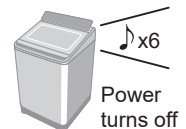
2



3

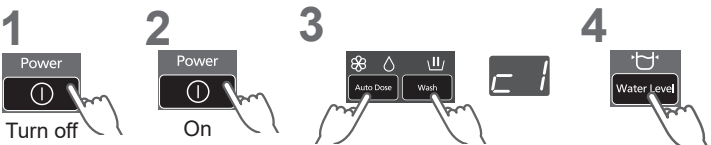


4





## Error Display

Error display	Causes & Measures
<p><b>U81</b></p>	<ul style="list-style-type: none"> <li>● Failed to connect the washing machine and the wireless LAN router. Check the following.               <ul style="list-style-type: none"> <li>• The router is not turned on. → Turn on the power.</li> <li>• The distance between the router and the washing machine is too long.→ Bring the router closer.</li> <li>• There is a device that uses radio waves, such as a microwave oven, nearby.                   <ul style="list-style-type: none"> <li>→Keep a distance.</li> <li>→Stop using the device or wait a while and try again.</li> </ul> </li> <li>• Multiple devices are connected to the router.                   <ul style="list-style-type: none"> <li>→Turn off the power of the device you are not using.</li> </ul> </li> </ul> </li> </ul>
<p><b>U82</b></p>	<ul style="list-style-type: none"> <li>● Communication error with the server.</li> <li>● There may be a problem with your internet connection.               <ul style="list-style-type: none"> <li>→If you do not know the cause, contact your provider, carrier, or router manufacturer.</li> </ul> </li> </ul>
<p><b>U83</b></p>	<ul style="list-style-type: none"> <li>● In “Backup connection”, SSID or password of the router is incorrect.               <ul style="list-style-type: none"> <li>→Check the description of the router.</li> </ul> </li> <li>● Failed to connect the washing machine and the router.               <ul style="list-style-type: none"> <li>→Check the above “U81”.</li> </ul> </li> </ul>
<p><b>U84</b></p>	<ul style="list-style-type: none"> <li>● “Scan connection” failed. Check the following.               <ul style="list-style-type: none"> <li>• The Bluetooth<sup>®</sup> setting on your smartphone is turned off.</li> <li>• The QR code cannot be read correctly.</li> </ul> <ul style="list-style-type: none"> <li>→Make sure that the Bluetooth<sup>®</sup> setting is ON, and then connect again. If you still cannot connect, please try “Backup connection”.</li> </ul> </li> </ul>
<p>The app displayed the word like “Cannot communicate with the washing machine.”</p>	<ul style="list-style-type: none"> <li>● Communicate again after a while, or check the connection status by the following method.</li> </ul> <div style="text-align: center;">  <p><b>Hold 5 sec.</b></p> </div> <ul style="list-style-type: none"> <li>→If “U81”, “U82”, etc. are displayed, it is a connection error. Check the above.</li> </ul>

# Panasonic SmartApp+ (continued)

## Usage for wireless LAN/Bluetooth®

### ■ Usage restrictions

Please note that there are the following restrictions on use. Panasonic is not liable for any incidental damages resulting from the failure to comply with the restrictions and the use or inability to use the machine.

- Do not connect to a wireless network that you do not have permission to use. A wireless network (SSID\*) that you do not have permission to use during automatic search of the wireless network environment may be displayed, but if you connect, it may be considered as unauthorized access.
- Do not use in a place where magnetic field, static electricity, or radio interference is generated. If you use it near the following devices, communication may be interrupted or the speed may slow down.
  - Microwave oven
  - Other wireless LAN / Bluetooth® devices
  - Other devices that use radio waves in the 2.4 GHz band (digital cordless phones, wireless audio devices, game consoles, PC peripherals, etc.)
  - Metal objects that easily reflect radio waves

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\* A name used to identify a specific network on a wireless LAN. If this SSID matches on both devices, communication is possible.

### ■ Security measures

- Since the wireless LAN uses radio waves to send and receive data, there is a risk of unauthorized access. Take security measures to ensure the safety of your data. (P. 37) Please note that we are not responsible for any problems that occur without taking security measures.
- For the password (encryption key) of the wireless LAN router, refer to the instruction manual of the wireless LAN router and set it in consideration of security.

### ■ About firmware

- This machine has a function to connect to our firmware update server via the Internet and automatically update its own firmware to the latest version. Since wireless communication is temporarily interrupted during the update, communication may be interrupted or the speed may slow down.
- Do not analyze or modify the firmware.

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# Panasonic SmartApp+ (continued)

## Copyright, etc. (continued)

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(28) Artem Bityuckiy (--enable-newlib-iconv)

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(30) - Alex Tatmanjants (targets using libc/posix)

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### easy-ecc

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# Specifications

Model No.	NA-FD135Z3
Rated voltage	220 - 240 V
Rated frequency	50 Hz
Rated power consumption	480 W
Standard water amount	79 L
Maximum mass of dry cloth	13.5 kg
Product dimensions	639 mm (W) x 719 mm (D) x 1083 mm (H)
Product weight	40 kg
Pressure of tap water	0.01 - 1 MPa

Complies with  
IMDA Standards  
DB01017

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