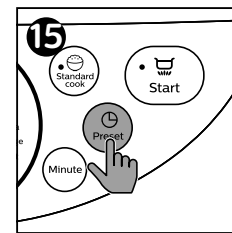
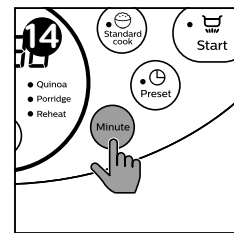
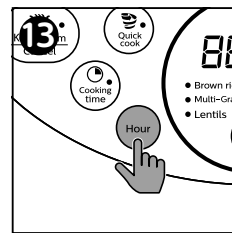
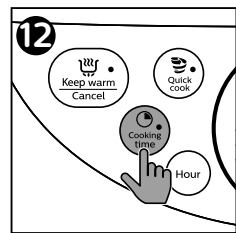
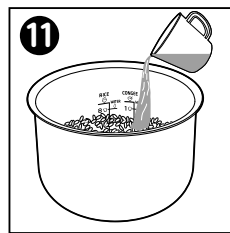
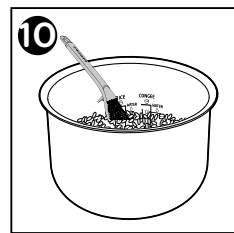
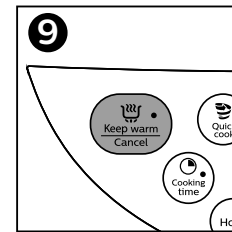
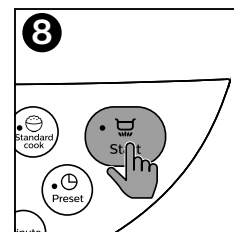
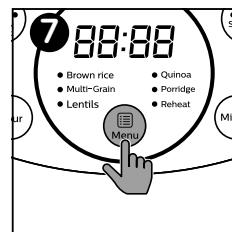
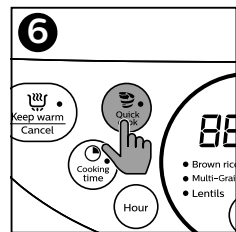
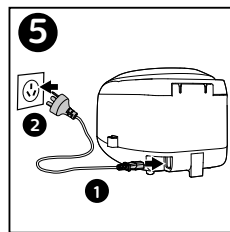
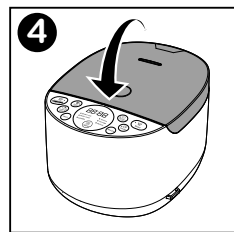
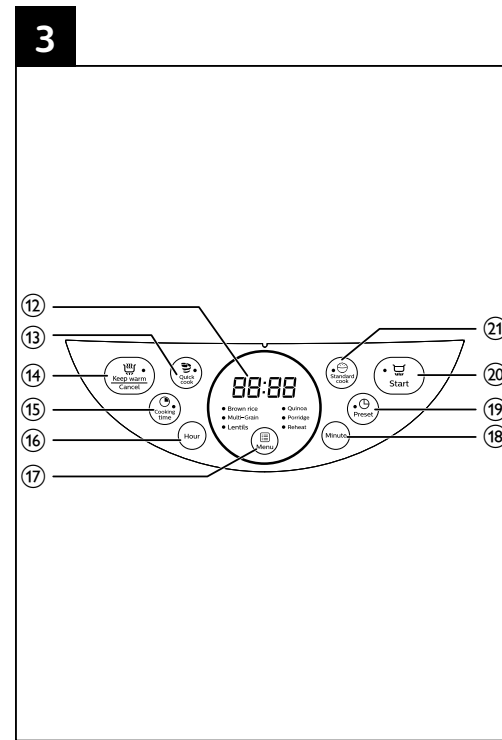
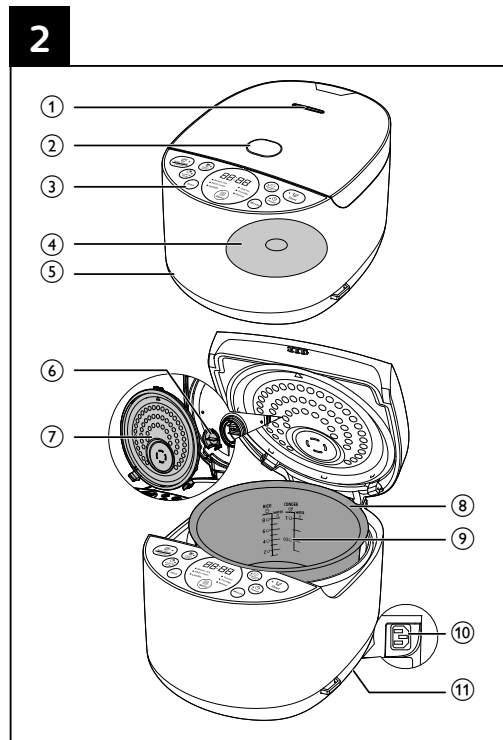
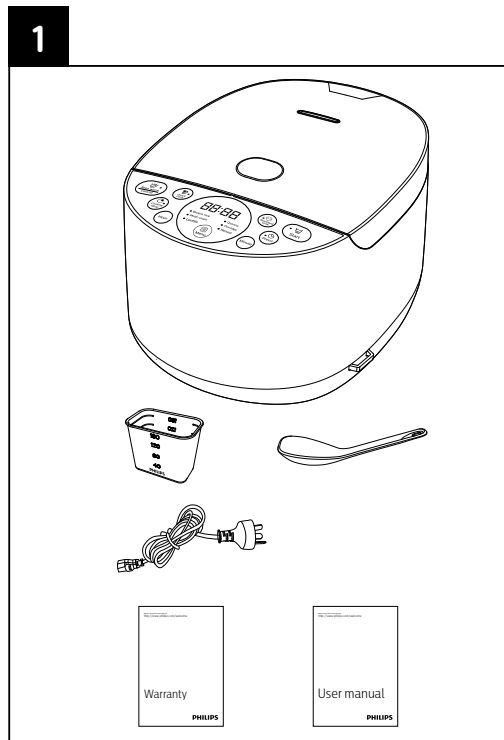




User manual



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1 Important

Read this user manual carefully before you use the Grain Master and save it for future reference.

Danger

- The appliance must not be immersed.

Warning

- 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.
- This appliance should be positioned in a stable situation with the handles (if any) positioned to avoid spillage of the hot liquids.
- This appliance is intended to be used in household and similar 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.

- If the power cord set is damaged, it must be replaced by a cord set available from the manufacturer.
- The appliance is not intended to be operated by means of an external timer or a separate remote-control system.
- According to the instructions prescribed in this user manual, use a soft damp cloth to clean the surfaces in contact with food and make sure to remove all the food residues stuck to the appliance.
- Check if the voltage indicated on the appliance corresponds to the local power voltage before you connect it.
- Only connect the appliance to a grounded power outlet. Always make sure that the plug is inserted firmly into the power outlet.
- Do not use the appliance if the plug, the power cord, the inner pot, the sealing ring, or the main body is damaged.
- Do not let the power cord hang over the edge of the table or worktop on which the appliance stands.
- Make sure the heating element, the temperature sensor, and the outside of the inner pot are clean and dry before you put the plug in the power outlet.
- Do not plug in the appliance or press any of the buttons on the control panel with wet hands.
- Make sure to avoid spillage on the power connector to avoid a potential hazard.

- Always follow the instructions and use the appliance properly to avoid potential injury.

Caution

- Never use any accessories or parts from other manufacturers or that Philips does not specifically recommend. If you use such accessories or parts, your guarantee becomes invalid.
- Do not expose the appliance to high temperatures, nor place it on a working or still hot stove or cooker.
- Do not expose the appliance to direct sunlight.
- Place the appliance on a stable, horizontal, and level surface.
- Always put the inner pot in the appliance before you put the plug in the power outlet and switch it on.
- Do not place the inner pot directly over an open fire to cook rice.
- Do not use the inner pot if it is deformed.
- The accessible surfaces may become hot when the appliance is operating. Take extra caution when touching the appliance.
- Beware of hot steam coming out of the steam vent during cooking or out of the appliance when you open the lid. Keep hands and face away from the appliance to avoid the steam.
- Do not lift and move the appliance while it is operating.
- Do not exceed the maximum water level indicated in the inner pot to prevent overflow which might cause potential hazard.

- Do not place the cooking utensils inside the pot while cooking, keeping warm or reheating rice.
- Only use the cooking utensils provided. Avoid using sharp utensils.
- To avoid scratches, it is not recommended to cook ingredients with crustaceans and shellfish. Remove the hard shells before cooking.
- Do not insert metallic objects or alien substances into the steam vent.
- Do not place a magnetic substance on the lid. Do not use the appliance near a magnetic substance.
- Always let the appliance cool down before you clean or move it.
- Always clean the appliance after use. Do not clean the appliance in a dishwasher.
- Always unplug the appliance if not used for a longer period.
- If the appliance is used improperly or for professional or semiprofessional purposes, or if it is not used according to the instructions in this user manual, the guarantee becomes invalid and Philips refuses liability for any damage caused.
- Surface of the heating element is subject to residual heat after use.

Electromagnetic fields (EMF)

This Philips appliance complies with all applicable standards and regulations regarding exposure to electromagnetic fields.

## 2 Your Grain Master

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at [www.philips.com/welcome](http://www.philips.com/welcome).

## 3 What's in the box (fig. 1)

Grain Master main unit	Measuring cup
Rice and soup 2 in 1 spoon	Power cord
Warranty card	User manual

## 4 Overview (fig. 2)

① Steam vent	⑦ Detachable inner lid
② Lid release button	⑧ Inner pot
③ Control panel	⑨ Water level indications
④ Heating element	⑩ Power socket
⑤ Main body	⑪ Cooker handle
⑥ Steam vent cap	

## Controls overview (fig. 3)

⑫ Display screen	⑰ Menu button
⑬ Quick cook button	⑱ Minute button
⑭ Keep-warm/Cancel button	⑲ Preset time button
⑮ Cooking time button	⑳ Start button
⑯ Hour button	㉑ Standard cook button

## 5 Using the Grain Master

### Before first use

- 1 Take out all the accessories from the inner pot. Remove the packaging material of the inner pot.
- 2 Before first use, boil water and clean the rice cooker.
- 3 Clean the parts of the Grain Master thoroughly before using it for the first time (see chapter "Cleaning and Maintenance").

### Note

- Make sure all parts are completely dry before you start using the Grain Master.

### Cooking rice

Cooking function	Estimated cooking time	Time regulation	Preset time
Quick cook	25 minutes	/	1-24 hours
Standard cook	45 minutes	/	1-24 hours
Quinoa	45 minutes	/	1-24 hours
Lentils	45 minutes	/	1-24 hours

Type of rice	Cooking program suggested	Measuring cup of rice	Corresponding inner pot water mark
Jasmine rice	Standard cook	2	2 cup mark(rice)
Long grain		2	2 cup mark(rice)
Sushi rice		2	2 cup mark(rice)
Medium grain		2	2 cup mark(rice)
Rice&Quinoa		2	2 cup mark(rice)

You can cook rice using the Quick cook, Standard cook, Quinoa, or Lentils function.

- 1 Measure rice using the measuring cup provided.
- 2 Rinse rice, and put the washed rice in the inner pot.
- 3 Add water to the level indicated on the scale inside the inner pot that corresponds to the number of cups of rice used. Then smooth the rice surface.
  - ↳ For instance, if you cook 4 cups of rice, add water up to the 4-cup level indicated on the scale.

### Note

- The level marked inside the inner pot is just an indication. You can always adjust the water level for different types of grains and your own preference.
- Besides following the water level indications, you may also add rice and water at 1:1-1.2 ratio for rice cooking.
- Do not exceed the volume indicated or exceed the maximum water level, as this may cause the appliance to overflow.

- 4 Wipe off water outside of the inner pot and put it into the appliance.

### Note

- Make sure that the outside of the inner pot is dry and clean, and that there is no foreign residue on the inside of the appliance.

- 5 Close the lid (fig. 4), and put the plug in the power socket (fig. 5), and switch on the appliance.

- 6 Press the quick cook (**Quick cook**) or standard cook (**Standard cook**) button (fig. 6), or select the quinoa(**Quinoa**) or lentils (**Lentils**) function by pressing the menu button (**Menu**) (fig. 7).

- 7 Press the start button (**Start**) to start cooking (fig. 8).
- 8 When the cooking is finished, you will hear 4 beeps and the selected cooking function light will be off.
- 9 The Grain Master will be in keep-warm mode automatically.
  - ↳ The keep-warm indicator lights up (fig. 9).

### Note

- If the voltage is unstable at the area you live, it is possible that the Grain Master overflows.
- After the cooking is finished, stir the rice and loosen it immediately to release excessive moisture for fluffy rice.
- Depending on the cooking conditions, the bottom portion of the rice may become slightly browned.
- Please stir rice after cooking, and you are recommended to consume it right after cooking for best nutrition and best taste. If you would like to keep rice for long hours and for many meals, it is best to keep rice in sealed plastic containers and keep them in the refrigerator and reheat it to avoid nutrient loss.
- If you want/need to change selection, you first need to press the **"Keep warm/Cancel"** button.

### Cooking porridge

Cooking function	Estimated cooking time	Time regulation	Preset time
Porridge	90 minutes	1-4 hours	1-24 hours

Type of rice	Cooking program suggested	Measuring cup of rice	Corresponding inner pot water mark
Porridge	Porridge	1	1 cup mark (Congee)

- 1 Put ingredients and water into the inner pot.
- 2 Follow steps 4 to 5 in "Cooking rice".

### Note

- Do not exceed the maximum water level indicated in the inner pot, as this may cause the Grain Master to overflow.

- 3 Select the porridge (**Porridge**) function by pressing the menu button (**Menu**) (fig. 7).
- 4 Press the start button (**Start**) to start cooking (fig. 8).
- 5 When the cooking is finished, you will hear 4 beeps and the selected cooking function light will be off. The Grain Master will be in keep warm mode automatically.
  - ↳ The keep-warm indicator lights up (fig. 9).

### Note

- You can use the porridge function to steam food.

### Cooking Brown rice, Multi-grain

Cooking function	Estimated cooking time	Time regulation	Preset time
Brown rice	90 minutes	/	1-24 hours
Multi-grain	90 minutes	/	1-24 hours

Type of rice	Cooking program suggested	Measuring cup of rice	Corresponding inner pot water mark
Brown rice	Brown rice	2	3 cups water
Multi-grain	Multi-grain	2	3 cups water
Brown rice&Lentils	Lentils	2	3 cups water

- 1 Follow steps 1 to 5 in "Cooking rice".
- 2 Select the brown rice function (**Brown rice**) or multi-grain (**Multi-grain**) by pressing the menu button (**Menu**) (fig. 6).
- 3 Press the start button (**Start**) to start cooking (fig. 8).
- 4 When the cooking is finished, you will hear 4 beeps and the selected cooking function light will be off. The Grain Master will be in keep warm mode automatically.
  - ↳ The keep-warm indicator lights up. (fig. 9)

### Reheating

Cooking function	Estimated cooking time	Time regulation	Preset time
Reheating	25 minutes	25-59 minutes	/

- 1 Loosen the cooled food and evenly distribute it in the inner pot (fig. 10).
- 2 Pour some water onto the food to prevent it from becoming too dry (fig. 11). The quantity of the water depends on the amount of food.
- 3 Follow steps 5 and 6 in "Cooking rice".
- 4 Select the reheat function (**Reheat**) by pressing the menu button (**Menu**) (fig. 7).
- 5 Press the start button (**Start**) to start cooking (fig. 8).
- 6 When the cooking is finished, you will hear 4 beeps and the selected cooking function light will be off. The Grain Master will be in keep warm mode automatically.
  - ↳ The keep-warm indicator lights up (fig. 9).

### Note

- Use a kitchen glove or a cloth, as the plate will be very hot.
- You can cook rice while steaming food. Do not exceed the volume indicated, as this may cause the Grain Master to overflow.
- You can adjust the water level as needed.

### Adjusting the cooking time

You can set the cooking time for some menus. Refer to the cooking time table in each chapter for the detailed regulating range.

- 1 Choose the function you need.
- 2 To set a different cooking time, press the cooking time button (**Cooking time**) (fig. 12), and the default cooking time starts flashing on the display.
- 3 Press the hour button (**Hour**) to set the hour unit (fig. 13).
- 4 After the hour unit is set, wait for a few seconds before the hour unit is confirmed, and the minute unit starts flashing on the display.
- 5 Press the minute button (**Minute**) to set the minute unit (fig. 14).
- 6 Press the start button to confirm the cooking time and start the cooking process.

### Note

- You can adjust the cooking time only in the Porridge(Porridge) and Reheat(Reheat) function.

### Preset time for delayed cooking

You can preset the delayed cooking time for some menus. The preset timer is available from 1 hour up to 24 hours.

### Note

- The preset timer is not available in the reheat (Reheat) function.
- The cooking process will be finished by the time the preset time has elapsed. If the preset time you set is shorter than the cooking time, the appliance will start the cooking process immediately..

- 1 Choose the function you need.
- 2 To preset time for delayed cooking, press the preset time button (**Preset**), and the default preset time starts flashing on the display (fig. 15).
- 3 Press the hour button (**Hour**) to set the hour unit (fig. 13).
- 4 After the hour unit is set, wait for a few seconds before the hour unit is confirmed, and the minute unit starts flashing on the display.
- 5 Press the minute button (**Minute**) to set the minute unit (fig. 14).
- 6 Press the start button to confirm the preset timer and start the cooking process.

### Cooking time countdown

Once a selection is made, the screen will just show the progress bar moving without the timer appearing (except **Porridge** and **Reheat**). The display will show a count down in the last few minutes of the process, depends on rice volume and recipe selected, details as below:

Volume	Small	Medium	High
Standard cook	8 mins (1-3 cups)	10 mins (3-5 cups)	12 mins (5-8 cups)
Lentils	8 mins (1-3 cups)	10 mins (3-5 cups)	12 mins (5-8 cups)
Quinoa	8 mins (1-3 cups)	10 mins (3-5 cups)	12 mins (5-8 cups)
Quick cook	5 mins (1-3 cups)	6 mins (3-5 cups)	8 mins (5-8 cups)
Brown rice	8 mins (1-3 cups)	10 mins (3-4 cups) or 12 mins (4-5 cups)	13 mins (5-6 cups) or 15 mins (6-8 cups)
Multi-Grain	8 mins (1-3 cups)	10 mins (3-4 cups) or 12 mins (4-5 cups)	13 mins (5-6 cups) or 15 mins (6-8 cups)
Porridge	Count down when cooking begins		
Reheat	Count down when cooking begins		

## 6 Cleaning and Maintenance

### Note

- Unplug the Grain Master before starting to clean it.
- Wait until the Grain Master has cooled down sufficiently before cleaning it.

### Interior

Inside of the top lid and the main body:

- Wipe with a damp cloth.
- Make sure to remove all the food residues stuck to the Grain Master.

Heating element:

- Wipe with a damp cloth.
- Remove food residues with a damp cloth.

### Exterior

Surface of the top lid and outside of the main body:

- Wipe with a cloth dampened with soap water.
- Only use soft and dry cloth to wipe the control panel.
- Make sure to remove all the food residues around the control panel.

### Accessories

Spatula, inner pot, and steam vent cap:

- Soak in hot water and clean with sponge.

## 7 Recycling

Do not throw away the product with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

Follow your country's rules for the separate collection of electrical and electronic products. Correct disposal helps prevent negative consequences for the environment and human health.

## 8 Guarantee and service

If you need service or information, or if you have a problem, visit the Philips website at [www.philips.com](http://www.philips.com) or contact the Philips Customer Care Center in your country. You can find its phone number in the worldwide guarantee leaflet. If there is no Customer Care Center in your country, go to your local Philips dealer.

## 9 Specifications

Model Number	HD4514
Rated power output	790-940W
Rated capacity	4.0L
Rice capacity	1.5L

## 10 Troubleshooting

If you encounter problems when using this Grain Master, check the following points before requesting service. If you cannot solve the problem, contact the Philips Consumer Care Center in your country.

Problem	Solution
The light on the button does not go on.	There is a connection problem. Check if the power cord is connected to the Grain Master properly and if the plug is inserted firmly into the power outlet. The light is defective. Take the appliance to your Philips dealer or a service center authorized by Philips.
The rice is not cooked.	There is not enough water. Add water according to the scale on the inside of the inner pot. Make sure that there is no foreign residue on the heating element and the outside of the inner pot before switching the Grain Master on. The heating element is damaged, or the inner pot is deformed. Take the Grain Master to your Philips dealer or a service center authorized by Philips.
The rice is too dry and not well cooked.	Add more water to the rice, and cook for a bit longer.
The Grain Master does not switch to the keep-warm mode automatically.	You might have pressed the keep-warm button before pressing the start button. In this case the Grain Master will be in standby mode after the cooking is finished. The temperature control is defective. Take the appliance to your Philips dealer or a service center authorized by Philips.
The rice is scorched.	You have not rinse the rice properly. Rinse the rice until the water runs clear.
Water spills out of the Grain Master during cooking.	Make sure that you add water to the level indicated on the scale inside the inner pot that corresponds to the number of cups of rice used.
Rice smells bad after cooking	Clean the inner pot with some washing detergent and warm water. After cooking, make sure the steam vent cap, inner lid and inner pot is cleaned thoroughly.