

jura[®]



X8 Instructions for Use



Original instructions for use

Before using the machine read the instructions for use.



Your X8

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Symbol description


Warnings


 WARNING	Always take note of any information marked with the words CAUTION or
 CAUTION	WARNING and a warning sign. The signal word WARNING draws your attention to potential serious injury, and the signal word CAUTION to potential minor injury.

CAUTION	CAUTION draws your attention to potential damage to the machine.
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Symbols used


	Prompt to take action. This symbol means that you are being prompted to perform some action.
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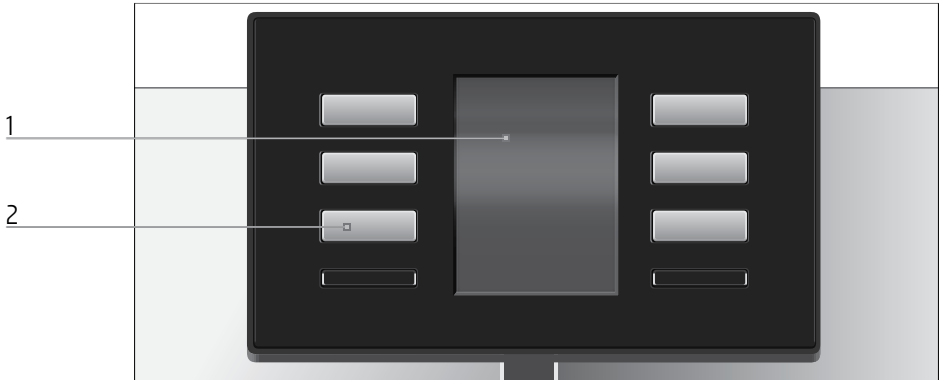
	Information and tips to make it even easier to use your X8.
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 'Coffee'	Display
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Control elements

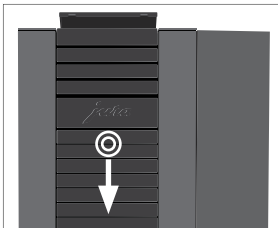


- 1 Cover
- 2 Filler funnel for cleaning tablet
- 3 Bean container with aroma preservation cover (lockable)
- 4 Water tank cover (lockable)
- 5 Water tank
- 6 Hot-water spout
- 7 Mains cable (permanently connected or plug-in) (back of the machine)
- 8 Coffee grounds container
- 9 On/Off button 
- 10 Grinder adjustment wheel
- 11 Height-adjustable dual spout
- 12 Insert for drip tray
- 13 Cup grille
- 14 Drip tray



- 1 Display
- 2 Multi-function buttons (button function depends on what is shown in the display)

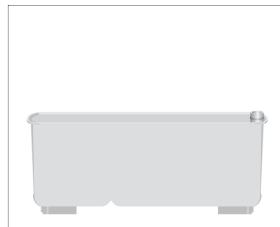
Back of the machine: Service socket for JURA Smart Connect (behind cover)



Accessories

Spanner for aroma preservation cover, water tank cover and grinder adjustment wheel

Container for milk system cleaning



Important information

Proper use

This machine is intended for use by specialist or trained staff in businesses, light industry and agricultural facilities or for commercial use by non-professionals. It should only be used for coffee preparation and to heat milk and water. Use for any other purpose will be deemed improper. JURA Elektroapparate AG cannot accept any responsibility for the consequences of improper use.

Before using the machine read these instructions for use thoroughly and completely and comply with the instructions they contain. A warranty service is not applicable for damage or defects caused by non-compliance with the instructions for use. Keep these instructions for use close to the machine and pass them on to the next user.

The X8 may only be operated by instructed persons. Non-professionals must be supervised during use.

For your safety

Please carefully read and observe the important safety information set out below.



To avoid danger of potentially fatal electric shock:

- Never use a machine which is damaged or has a defective mains cable.
- In the event of signs of damage, for example if there is a smell of burning, unplug the machine immediately from the mains supply and contact JURA service.
- For models with a permanently connected mains cable: If the mains cable of this machine is damaged, it must be repaired either directly

by JURA or by an authorised JURA service centre.

- For models with a disconnectable mains cable: If the mains cable of this machine is damaged it must be replaced with a special mains cable, which is available directly from JURA or from authorised JURA service centres.
- Make sure that the X8 and the mains cable are not located close to hot surfaces.
- Be careful to ensure that the mains cable is not trapped and does not rub against sharp edges.
- Never open and repair the machine yourself. Do not modify the machine in any way that is not described in these instructions for use. The machine contains live parts. If opened, there is a danger of potentially fatal injury. Repairs may only be carried out by authorised JURA service centres, using original spare parts and accessories.
- To completely and safely disconnect the machine from the power supply, first switch off the X8 using the On/Off button. Only then should you remove the mains plug from the power socket.

There is a risk of scalds or burns on the spouts.

- Place the machine out of the reach of children.
- Do not touch any hot parts. Use the handles provided.

A defective machine is not safe and could cause injury or fire. To avoid damage and any associated risk of injury or fire:

- Never allow the mains cable to loosely hang down. The mains cable could pose a tripping hazard or become damaged.

- Protect the X8 from environmental influences such as rain, frost and direct sunlight.
- Do not immerse the X8, mains cable or connections in water.
- Do not put the X8 or any individual parts in the dishwasher.
- Before cleaning, switch the X8 off with the On/Off button. Always wipe the X8 with a damp cloth rather than a wet one, and protect it from prolonged exposure to water splash.
- Only connect the machine to the mains voltage in accordance with the information on the rating plate. The rating plate is located on the underside of your X8. Further technical data is provided in these instructions for use (see Chapter 9 'Technical data').
- Connect the X8 directly to a domestic power socket. Using multi-socket adapters or extension cords may cause overheating.
- Do not use alkaline cleaning agents; only use a soft cloth and mild cleaning agents.
- Please only use original JURA maintenance products. Use of products that are not explicitly recommended by JURA could damage the machine.
- Do not use any coffee beans treated with additives or caramelised coffee beans.
- Only fill the water tank with fresh, cold water.
- Switch the machine off with the On/Off button if you are going to be absent for a longer period of time and remove the mains plug from the power socket.
- Children may not clean or service the machine unless supervised by a responsible person.

- Do not allow children to play with the machine.
- Keep children under the age of 8 away from the machine, or supervise them constantly.
- Children aged 8 and over may only operate the machine without supervision if they have been instructed in how to use it safely. Children must be able to recognise and understand the potential dangers arising from incorrect use.

People, including children, who

- do not have the physical, sensory or mental capabilities to use the machine safely or
- are inexperienced or lack knowledge in how to use the machine safely

must be supervised by a responsible person when using it, or must be instructed in how to use it correctly.

Safety when handling the CLARIS Pro Smart filter cartridge:

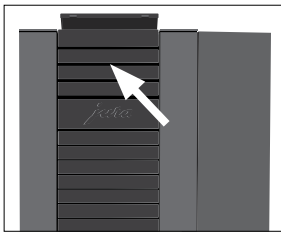
- Filter cartridges should be kept out of the reach of children.
- Store filter cartridges in a dry place in the sealed packaging.
- Protect cartridges from heat and direct sunlight.
- Do not use damaged filter cartridges.
- Do not open filter cartridges.

1 Preparing and using for the first time

JURA on the Internet

Visit us on the Internet. You can download **short operating instructions** for your machine from the JURA website (www.jura.com). You will also find interesting and up-to-date information on your X8 and on every aspect of coffee.

Setting up the machine



When setting up your X8, please note the following:

- Place the X8 on a horizontal surface that is not sensitive to water.
- Choose a spot for your X8 which protects the machine against overheating. Ensure that the ventilation slots are not covered.

Filling the bean container

The aroma preservation cover of the bean container is lockable (spanner supplied as standard).

CAUTION

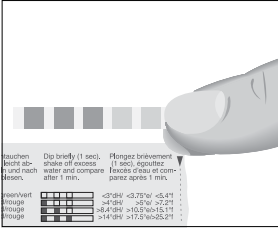
Coffee beans which have been treated with additives (e.g. sugar), ground coffee or freeze-dried coffee will damage the grinder.

- ▶ Only use roasted, untreated coffee beans to fill the bean container.
- ▶ Remove the aroma preservation cover.
- ▶ Remove any dirt or foreign objects from inside the bean container.
- ▶ Fill the bean container with coffee beans and close the aroma preservation cover.

Determining the water hardness

When you use the machine for the first time, you must set the water hardness. If you do not know the hardness of your water, you can find this out first. Use the Aquadur® test strips supplied with the machine.

- ▶ Hold the test strip briefly (for 1 second) under flowing water. Shake off the water.
- ▶ Wait for about 1 minute.



- ▶ You will then be able to read the degree of water hardness from the discolouration of the Aquadur® test strip and the description on the packaging.

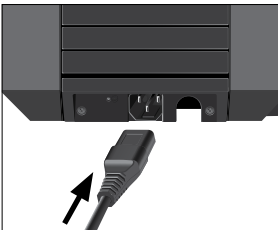
First-time use

When using the machine for the first time, you can choose whether you want to operate X8 **with** or **without** the CLARIS Pro Smart filter cartridge. As well as limescale, the filter cartridge filters many other substances that impair aroma and flavour out of the water. These substances may negatively affect the coffee. To enjoy the best quality coffee at all times, we recommend that you use CLARIS Pro Smart.


WARNING

If the machine is operated with a defective mains cable, there is a danger of potentially fatal electric shock.

- ▶ Never use a machine which is damaged or has a defective mains cable.



Precondition: The bean container has been filled.

- ▶ For machines with a **plug-in** mains cable: Connect the mains cable to the machine.
- ▶ Insert the mains plug into a power socket.
- ▶ Press the On/Off button  to switch the X8 on.

‘Sprachauswahl’

- i** To display more languages, press the ‘▶’ button (bottom right).

- ▶ Press the button that corresponds to the language you want, e.g. ‘English’.
- ‘Saved’ appears briefly on the display to confirm the setting.
- ‘Water hardness’

- i** If you do not know the hardness of your water, you must find this out first (see Chapter 1 ‘Preparing and using for the first time – Determining the water hardness’).

1 Preparing and using for the first time

- ▶ Press the ‘<’ or ‘>’ button to change the water hardness setting, for example to ‘25 °dH’.
- ▶ Press the ‘Save’ button.
‘Saved’ appears briefly on the display.
‘Filter operation’

i Now decide whether you want to operate your X8 **with** or **without** a CLARIS Pro Smart filter cartridge.

Operation **with** filter cartridge: go straight to the next section.

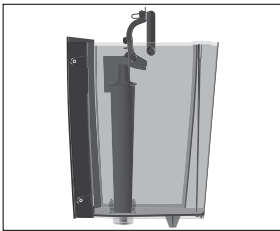
Operation **without** filter cartridge: see Chapter 1 ‘Preparing and using for the first time – First-time use without filter cartridge activation’.

First-time use with filter cartridge activation

CAUTION

Milk, sparkling mineral water or other liquids can damage the water tank or the machine.

- ▶ Only fill the water tank with fresh, cold water.



- ▶ Remove the water tank and rinse it with cold water.
- ▶ Open the filter holder.
- ▶ Insert the filter cartridge into the water tank, exerting slight pressure.
- ▶ Close the filter holder. It will click into place audibly.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

i The machine automatically detects that you have just inserted the filter cartridge.

‘Change the filter’ / ‘Saved’

‘Filter is being rinsed’, water flows directly into the drip tray.
Rinsing of the filter stops automatically.

‘System is filling’, the system fills up with water.

‘Empty drip tray’

- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
'Machine is rinsing', the system is rinsed.
The rinse stops automatically. Your X8 is ready for use.
- i** The start screen shows the products you can prepare. Press the '**▶**' button to display more products.
- i** If the filter is active, this is indicated by a blue filter symbol at the bottom of the display.

The CLARIS Pro Smart filter cartridge communicates with your X8 via RFID technology (frequency band 13.56 MHz). This wireless connection is only used for a maximum of 3 sec. during preparation. In this case, the maximum transmission power is below 1 mW.

First-time use without filter cartridge activation

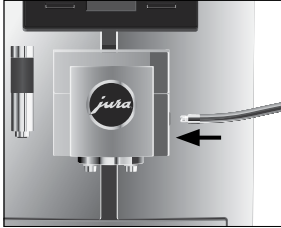
CAUTION

Milk, sparkling mineral water or other liquids can damage the water tank or the machine.

- ▶ Only fill the water tank with fresh, cold water.
-
- ▶ Press the '**No filter**' button.
'Saved' appears briefly on the display.
'Fill water tank'
 - ▶ Remove the water tank and rinse it with cold water.
 - ▶ Fill the water tank with fresh, cold water and reinsert the tank.
'System is filling', the system fills up with water.
'Machine is heating'
'Machine is rinsing', the system is rinsed.
The rinse stops automatically. Your X8 is ready for use.
 - i** The start screen shows the products you can prepare. Press the '**▶**' button to display more products.



Connecting milk



Your X8 creates fine, creamy, feather-light milk foam with a perfect consistency. The most important requirement for frothing milk is a milk temperature of 4–8 °C. We would therefore recommend using a milk cooler or a milk container.

- ▶ Connect the milk pipe to the dual spout.
- ▶ Connect the other end of the milk pipe to a milk container or a milk cooler.

Connecting an accessory (via Bluetooth)

Your X8 is equipped with the JURA Smart Connect. This allows you to connect the machine to a compatible accessory (e.g. the JURA Cool Control Wireless milk cooler) via Bluetooth.

A frequency band of 2.4 GHz is used for this wireless connection. In this case, the maximum transmission power is below 1 mW.

Precondition: The start screen is displayed.

- ▶ Press the 'P.❖' button.
'1/5'
- ▶ Press the '▶' button several times until '5/5' is displayed.
- ▶ Press the 'Connect accessory' button.
'Connect accessory'
- ▶ Now follow the instructions on the display to connect the accessory to the X8.

2 Preparation

Basic information about preparing drinks:

- The display shows the products you can prepare. Press the '►' button to display more products.
- During the grinding operation you can select the coffee strength of **single products** by pressing the '<' and '>' buttons.
- During preparation you can change the preset **amounts** (e.g. water and amount of milk foam) by pressing the '<' and '>' buttons.
- You can stop the machine at any time while a speciality coffee or hot water is being prepared. To do this, press the 'Cancel' button.

Coffee tastes best served hot. A cold porcelain cup cools the beverage – and impairs the taste. We therefore recommend prewarming the cups. The full coffee aroma can develop only in prewarmed cups. You can purchase a JURA cup warmer from your specialised dealer.

You can make **permanent settings** for all products in programming mode (see Chapter 4 'Permanent settings in programming mode – Adjusting the product settings').

Espresso, coffee and other speciality coffees

Ristretto, espresso, coffee and special coffee are all prepared following this model.

For a pot of coffee, you can choose the number of brewing operations (1–5 strokes) in programming mode.

Example: Proceed as follows to prepare one coffee.

Precondition: The start screen is displayed.

- ▶ Place a cup under the dual spout.
 - ▶ Press the 'Coffee' button.
- Preparation starts. 'Coffee' and the coffee strength are displayed. The preset amount of water for coffee flows into the cup.
- Preparation stops automatically. Your X8 is once more ready for use.



Latte macchiato, cappuccino and other speciality coffees with milk



Your X8 prepares latte macchiato, cappuccino and other speciality coffees with milk at the touch of a button. There is no need to move the glass or cup.

Example: Proceed as follows to prepare one latte macchiato.

Precondition: Milk is connected to the dual spout.

- ▶ Place a glass under the dual spout.
- ▶ Press the **'Latte macchiato'** button.
'Latte macchiato', the preset amounts of milk and milk foam flow into the glass.

i There is a short interval while the hot milk separates from the milk foam. This allows the typical layers of a latte macchiato to form.

Coffee preparation starts. The preset amount of water for espresso flows into the glass. Preparation stops automatically. Your X8 is once more ready for use.

To ensure that the milk system in the dual spout always works properly, you must clean it **daily** (see Chapter 5 'Maintenance – Cleaning the milk system').

Preparing two speciality coffees



To prepare **two** speciality coffees / speciality coffees with milk, press the appropriate preparation button twice (within approximately 2 seconds).

Example: Proceed as follows to prepare two espressi.

Precondition: The start screen is displayed.

- ▶ Place two cups under the coffee spout.
- ▶ Press the **'Espresso'** button **twice (within 2 seconds)** to start preparation.
'2x Espresso', the preset amount of water flows into the cups.
Preparation stops automatically. Your X8 is once more ready for use.

Permanently setting the amount of water for the cup size



It is easy to permanently adjust the amount of water for all **single products** to the cup size. Adjust the amount once as shown in the following example. Every time you prepare a drink in the future, this amount will be dispensed.

Example: Proceed as follows to **permanently** set the amount of water for one coffee.

- ▶ Place a cup under the dual spout.
- ▶ Press and **hold** the **'Coffee'** button until **'Enough coffee? Press button'** appears.
- ▶ Release the **'Coffee'** button.

Preparation starts and the coffee flows into the cup.

- ▶ Press any button except **'Cancel'** as soon as there is sufficient coffee in the cup.

Preparation stops. **'Saved'** appears briefly on the display. The set amount of water for one coffee is permanently stored. Your X8 is once more ready for use.

- i** You can alter this setting at any time by repeating the above procedure.
- i** You can also permanently set the amounts for all single products in programming mode (see Chapter 4 'Permanent settings in programming mode – Adjusting the product settings').

Adjusting the grinder

You can adjust the grinder to suit the degree of roast of your coffee.

CAUTION

If you adjust the consistency of grind when the grinder is not operating, the grinder adjustment wheel could be damaged.

- ▶ Only adjust the consistency of grind when the grinder is running.

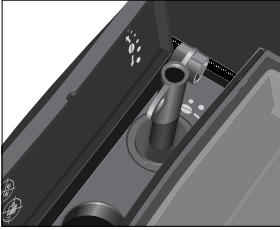
The consistency of grind is correct if the coffee flows regularly from the coffee spout. In addition a fine, thick crema forms.

You can set the consistency of grind using the spanner provided.

Example: Proceed as follows to change the consistency of grind **during** the preparation of an espresso.

- ▶ Place a cup under the dual spout.
- ▶ Open the cover behind the bean container.

2 Preparation



- ▶ Press the **'Espresso'** button to start preparation.
- ▶ Turn the grinder adjustment wheel to the desired position **while** the grinder is running.
The preset amount of water flows into the cup. Preparation stops automatically.
- ▶ Close the cover.

Hot water

Your X8 allows you to prepare different variants of hot water:

- **'Hot water'**
- **'Hot water for green tea'**

CAUTION

There is a danger of scalding from hot water splashes.

- ▶ Avoid direct contact with the skin.

Example: Proceed as follows to prepare hot water for **green tea**.

Precondition: The start screen is displayed.

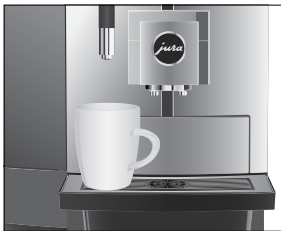
- ▶ Place a cup under the hot-water spout.

i **'Hot water for green tea'** can be found on page 2 of the start screen.

- ▶ Press the **'Hot water for green tea'** button.

'Hot water for green tea', the preset amount of water flows into the cup.

Preparation stops automatically. Your X8 is once more ready for use.



3 Daily operation

Filling the water tank

Daily maintenance of the machine and hygiene when handling coffee and water are key to a perfect coffee result in the cup every time. You should therefore change the water **daily**.

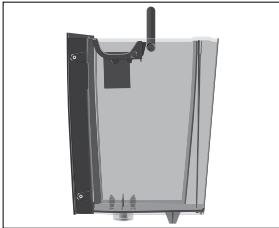
CAUTION

Milk, sparkling mineral water or other liquids can damage the water tank or the machine.

- ▶ Only fill the water tank with fresh, cold water.

You can lock the water tank cover with the spanner provided.

- ▶ Open the water tank cover.
- ▶ Remove the water tank and rinse it with cold water.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.
- ▶ Close the water tank cover.



Switching on the machine

- ▶ Press the On/Off button  to switch the X8 on.

‘Welcome to JURA’

‘Machine is heating’

‘Machine is rinsing’, the system is rinsed. The rinse stops automatically. The start screen is displayed. Your X8 is ready for use.

Daily maintenance

To ensure that you get many years of reliable service out of your X8 and to guarantee the optimum coffee quality, the machine requires daily maintenance.

- ▶ Pull out the drip tray.
- ▶ Empty the coffee grounds container and the drip tray. Rinse them both with warm water.

i Always empty the coffee grounds container when the machine is **switched on**. This is the only way of resetting the coffee grounds counter.

- ▶ Rinse the insert for the drip tray with warm water.
- ▶ Refit the coffee grounds container and the drip tray.



- ▶ Rinse the water tank with clean water.
- ▶ Clean the milk system in the dual spout (see Chapter 5 'Maintenance – Cleaning the milk system').
- ▶ Remove the milk pipe and rinse it thoroughly under running water.
- ▶ Dismantle and rinse the dual spout (see Chapter 5 'Maintenance – Dismantling and rinsing the dual spout').
- ▶ Wipe the surface of the machine with a clean, soft, damp cloth (e.g. microfibre cloth).

You will find more information about caring for your X8 in programming mode under '2/5' / 'Information' ('Maintenance information').


Regular maintenance

Carry out the following maintenance actions **regularly** or **as required**:

- In the interests of hygiene, we recommend changing the milk pipe and interchangeable milk spout on a regular basis (approximately every 3 months). Replacements are available from specialised dealers.
- Clean the inside of the water tank, e.g. with a brush. Further information about the water tank is provided in these instructions for use (see Chapter 5 'Maintenance – Descaling the water tank').
- Traces of milk and coffee may stick to the top and bottom of the cup grille. If this happens, clean the cup grille.

Switching off the machine

When the X8 is switched off, the system is automatically rinsed if a speciality coffee has been prepared. If milk has been prepared, you will also be prompted to clean the milk system.

- ▶ Press the On/Off button .

- i** If milk has been prepared, you will be prompted to clean the milk system ('Clean the milk system' / 'Do you want to clean the milk system now?'). After 10 seconds the switch-off process continues automatically.

If milk has been prepared but you have not started milk system cleaning, the milk system is rinsed first ('Milk system is being rinsed').

'Machine is rinsing', the system rinses itself. The operation stops automatically. Your X8 is switched off.

4 Permanent settings in programming mode

Press the 'P' button to enter programming mode. You can navigate through the programme items and permanently save the required settings using the multi-function buttons. The following settings can be made:

Programme item	Sub-item	Explanation
'1/5'	'Clean', 'Descale', 'Clean the milk system', 'Filter' (only if filter is fitted)	▶ Here you can start the required maintenance programme or find out what maintenance actions are required.
'2/5'	'Rinse the milk system', 'Rinse the coffee system', 'Information'	
'3/5'	'Expert mode'	▶ Select your settings for speciality coffees and hot water.
	'Customise cup fill volume'	▶ Disable the function 'Permanently setting the amount of water for the cup size'.
	'One-off settings'	▶ Specify whether or not to allow one-off settings during preparation.
	'Lock/enable'	▶ Enable or disable individual products.
'4/5'	'Choose language'	▶ Select your language.
	'Units'	▶ Select the unit for the amount of water.
	'Rinse the milk system'	▶ Change the setting for the milk system rinsing.
	'Switch off after'	▶ Set the time after which the X8 should switch off automatically.
	'Water hardness'	▶ Adjust the water hardness.
'5/5'	'Product counter', 'Day counter', 'Maintenance counter', 'Version'	▶ Keep track of all products prepared and view the number of maintenance programmes performed.
	'Connect accessory', 'Disconnect accessories' (Only displayed if the JURA Smart Connect is being used.)	▶ Connect the X8 to a compatible accessory via Bluetooth or disconnect the connection again.

Adjusting the product settings

In the programme item '3/5' / 'Expert mode' you can make individual settings for all speciality coffees and hot water. The following permanent settings can be made:

Product	Coffee strength	Amount	More settings
'Ristretto', 'Espresso'	10 levels	Water: 15 ml – 80 ml	Temperature (normal, high), position
'Coffee', 'Special'	10 levels	Water: 25 ml – 240 ml	Temperature (normal, high), position
'Cappuccino', 'Caffè latte', 'Flat White'	10 levels	Water: 25 ml – 240 ml Milk foam: 0 sec. – 120 sec. Milk: 0 sec. – 120 sec.	Milk and milk foam temperature, Temperature (normal, high), position
'Latte macchiato'	10 levels	Water: 25 ml – 240 ml Milk foam: 0 sec. – 120 sec. Milk: 0 sec. – 120 sec. Interval: 0 sec. – 60 sec.	Milk and milk foam temperature, Temperature (normal, high), position
'1 portion milk'	–	Milk foam: 0 sec. – 120 sec. Milk: 0 sec. – 120 sec.	Milk and milk foam temperature, position
'Jug of coffee'	10 levels	Water: 25 ml – 240 ml Number of strokes (1–5; set number is displayed during preparation)	Temperature (normal, high), position
'Hot water', 'Hot water for green tea'	–	Water: 25 ml – 450 ml	Temperature (low, normal, high), position

i When preparing **double products**, the amounts set for the single product are doubled. The temperature of the single product remains unchanged.

Permanent settings in programming mode always follow the same model.

Example: Proceed as follows to change the **coffee strength** for one coffee.

- ▶ Press the 'P.❖' button.
- ▶ Press the '▶' button several times until '3/5' is displayed.
- ▶ Press the 'Expert mode' button.
'Expert mode'

- i** Next select the button of the product for which you would like to make settings. No product is prepared at this point.
- i** To display more products, press the '►' button (bottom right).
 - ▶ Press the 'Coffee' button.
'Coffee'
 - ▶ Press the 'Coffee strength' button.
'Coffee' and the coffee strength is displayed.
 - ▶ Press the '<' or '>' button to change the setting for the coffee strength.
 - ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'Coffee'
 - ▶ Press the 'L' button for **around 2 seconds** to exit programming mode.

Positioning products on the start screen

You can reposition the products on the start screen.

Example: Proceed as follows to replace 'Flat White' on the first page of the start screen with 'Ristretto'.

- ▶ Press the 'P☼' button.
- ▶ Press the '►' button several times until '3/5' is displayed.
- ▶ Press the 'Expert mode' button.
'Expert mode'
- i** Next select the button of the product you want to move. No product is prepared at this point.
- i** To display more products, press the '►' button (bottom right).
 - ▶ Press the 'Ristretto' button.
'Ristretto'
 - ▶ Press the 'Position' button.
'Select position'
 - ▶ Press the 'Flat White' button.
'Replace product?'
 - ▶ Press the 'Yes' button.
'Saved' appears briefly on the display.
'Ristretto'
 - ▶ Press the 'L' button for **around 2 seconds** to exit programming mode.

Enable or disable one-off settings

In the programme item '3/5' / 'One-off settings' you can make the following setting:

- **'Active'**: One-off settings can be made during preparation (e.g. coffee strength or amount of water).
- **'Inactive'**: One-off settings cannot be made during preparation. The product is prepared according to the settings in programming mode ('3/5' / 'Expert mode').

Example: Proceed as follows to disable one-off settings during preparation.

- ▶ Press the 'P:☼' button.
- ▶ Press the '▶' button several times until '3/5' is displayed.
- ▶ Press the 'One-off settings' button.
'One-off settings'
- ▶ Press the 'Inactive' button.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'3/5'
- ▶ Press the 'L' button to exit programming mode.

Enable or disable setting of cup volume

In the programme item '3/5' / 'Customise cup fill volume' you can make the following setting:

- **'Active'**: The function 'Permanently setting the amount of water for the cup size' is activated. You can adjust the amount of water to the cup size by pressing and holding the relevant preparation button.
- **'Inactive'**: The function 'Permanently setting the amount of water for the cup size' is deactivated. The amount of water **cannot** be adjusted to the cup size by pressing and holding the relevant preparation button.

Example: Proceed as follows to disable the function 'Permanently setting the amount of water for the cup size'.

- ▶ Press the 'P:☼' button.
- ▶ Press the '▶' button several times until '3/5' is displayed.
- ▶ Press the 'Customise cup fill volume' button.
'Customise cup fill volume'
- ▶ Press the 'Inactive' button.

- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'3/5'
- ▶ Press the 'L' button to exit programming mode.

Enable and disable products

In the programme item '3/5' / 'Lock/enable' you can enable or disable each product individually.

Example: Proceed as follows to disable the preparation of 'Jug of coffee'.

- ▶ Press the 'P.☼' button.
- ▶ Press the '▶' button several times until '3/5' is displayed.
- ▶ Press the 'Lock/enable' button.
'Lock/enable'

i The lock symbol beside the product name indicates whether the product is enabled or disabled. If the lock is closed, the product is disabled.

- ▶ Press the '>' button until the product 'Jug of coffee' is displayed.
- ▶ Press the 'Jug of coffee' button.
The lock is closed. Preparation of 'Jug of coffee' is now disabled.
- ▶ Press the 'L' button for **around 2 seconds** to exit programming mode.

Automatic switch-off

By instructing your X8 to automatically switch itself off, you can cut down your energy consumption. If this function is activated, your X8 switches off automatically after the preset time following the last action on the machine.

You can set the automatic switch-off to 15 minutes, 30 minutes or 1–9 hours.

- ▶ Press the 'P.☼' button.
- ▶ Press the '▶' button several times until '4/5' is displayed.
- ▶ Press the 'Switch off after' button.
'Switch off after'
- ▶ Press the '<' or '>' button to change the switch-off time.

- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the 'L' button to exit programming mode.

Setting the water hardness

The harder the water is, the more frequently the X8 needs to be descaled. It is therefore important to set the water hardness accurately.

The water hardness was set when the machine was first used. You can change this setting at any time.

The total water hardness can be adjusted on a continuous scale between 1 °dH and 30 °dH.

- ▶ Press the 'P.❖' button.
- ▶ Press the '▶' button several times until '4/5' is displayed.
- ▶ Press the 'Water hardness' button.
'Water hardness'
- ▶ Press the '<' or '>' button to change the setting for the water hardness.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the 'L' button to exit programming mode.

Milk system rinsing

In the programme item '4/5' / 'Rinse the milk system' you can make the following settings:

- 'Manual': You are prompted to perform milk system rinsing 10 minutes after preparation of a speciality coffee with milk.
- 'Automatic': The milk system rinsing is automatically initiated 10 minutes after preparation of a speciality coffee with milk.

Example: Proceed as follows to set the milk system rinsing to be initiated **automatically** 10 minutes after the preparation.

- ▶ Press the 'P.❖' button.
- ▶ Press the '▶' button several times until '4/5' is displayed.
- ▶ Press the 'Rinse the milk system' button.
'Rinse the milk system'
- ▶ Press the 'Automatic' button.

- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the 'L' button to exit programming mode.

Unit for amount of water

Example: Proceed as follows to change the unit for the amount of water from 'ml' to 'oz'.

- ▶ Press the 'P.⚙️' button.
- ▶ Press the '▶' button several times until '4/5' is displayed.
- ▶ Press the 'Units' button.
'Units'
- ▶ Press the 'oz' button.
- ▶ Press the 'Save' button.
'Saved' appears briefly on the display.
'4/5'
- ▶ Press the 'L' button to exit programming mode.

Language

Example: Proceed as follows to change the language from 'English' to 'Deutsch'.

- ▶ Press the 'P.⚙️' button.
 - ▶ Press the '▶' button several times until '4/5' is displayed.
 - ▶ Press the 'Choose language' button.
'Choose language'
- i** To display more languages, press the '▶' button (bottom right).
- ▶ Press the button that corresponds to the language you want, e.g. 'Deutsch'.
'Gespeichert' appears briefly on the display.
'4/5'
 - ▶ Press the 'L' button to exit programming mode.

Query counter readings and version

In the programme item '5/5' you can view the following information.

- 'Product counter': Number of prepared speciality coffees and hot water
- 'Day counter': Number of prepared speciality coffees and hot water. This counter can be reset to zero.
- 'Maintenance counter': Number of maintenance programmes performed (cleaning, descaling etc.)
- 'Version': Software version

Example: Proceed as follows to reset the **day counter**.

- ▶ Press the 'P:⚙️' button.
- ▶ Press the '▶' button several times until '5/5' is displayed.
- ▶ Press the 'Day counter' button.
- ▶ Press the 'L' button.
'Delete the day counter?'
- ▶ Press the 'Yes' button.
'Saved' appears briefly on the display.
'5/5'
- ▶ Press the 'L' button to exit programming mode.

5 Maintenance

Your X8 has the following integrated maintenance programmes:

- Rinsing the machine ('2/5' / 'Rinse the coffee system')
- Rinsing the milk system in the dual spout ('2/5' / 'Rinse the milk system')
- Cleaning the milk system in the dual spout ('1/5' / 'Clean the milk system')
- Changing the filter ('1/5' / 'Filter') (only if filter is fitted)
- Cleaning the machine ('1/5' / 'Clean')
- Descaling the machine ('1/5' / 'Descale')

- i** Carry out each maintenance programme when you are prompted to do so.
- i** In the interests of hygiene, you should clean the milk system **daily** when you have been preparing milk.
- i** Press the 'P.❖' button to view a list of the maintenance programmes. When the bar is completely filled with red, your X8 will prompt you to perform the appropriate maintenance programme.

Rinsing the machine



You can start coffee system rinsing manually at any time.

- ▶ Place a receptacle under the dual spout.
- ▶ Press the 'P.❖' button.
- ▶ Press the '▶' button.
'2/5'
- ▶ Press the 'Rinse the coffee system' button to start the rinse operation.
'Machine is rinsing', water flows out of the dual spout. The operation stops automatically.

Rinsing the milk system

After each milk preparation, the X8 prompts you to perform a milk system rinse.



Precondition: 'Rinse the milk system' is displayed.

- ▶ Place a receptacle under the dual spout.
- ▶ Press the 'P' button.

'Milk system is being rinsed', water flows out of the dual spout. The operation stops automatically.

Cleaning the milk system

To ensure that the milk system in the dual spout always works properly, you must clean it **daily** when you have been preparing milk.

CAUTION

If the wrong cleaning agent is used, the machine could be damaged and/or traces could be left behind in the water.

- ▶ Use only original JURA maintenance products.

- i** JURA milk system cleaner is available from specialised dealers.
- i** To clean the milk system, use the container supplied.

Precondition: The start screen is displayed.

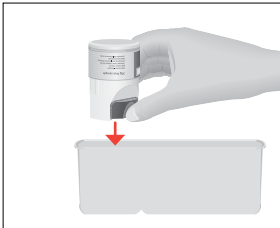
- ▶ Press the 'P' button.
- ▶ Press the 'Clean the milk system' button.

'Clean the milk system'

- ▶ Press the 'Start' button.
- ▶ Press the 'Next' button.

'Cleaning agent for milk system'

- ▶ Add 1 dosing unit of milk system cleaner to the **rear** part of the container.
 - ▶ Press the 'Next' button.
- 'Connect the milk tube'





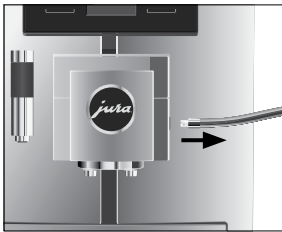
- ▶ Place the container under the dual spout.
- ▶ Remove the milk pipe from the milk container.
- ▶ Connect the milk pipe to the container for milk system cleaning.

i To connect the milk pipe to the container correctly, the pipe must be fitted with a connector.

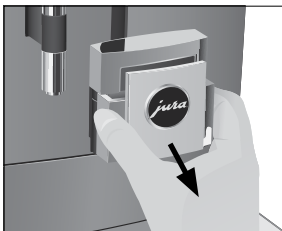
- ▶ Press the 'Next' button.
 - ▶ Press the 'Cleaning milk system' button, the dual spout and the pipe are cleaned.
- The operation stops automatically. Your X8 is once more ready for use.

Dismantling and rinsing the dual spout

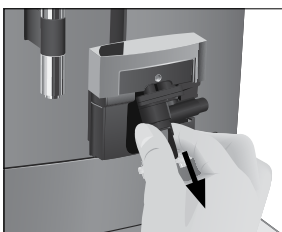
The dual spout must be dismantled and rinsed **daily** if milk has been prepared to make sure it functions perfectly and also in the interests of hygiene.



- ▶ Remove the milk pipe and rinse it thoroughly under running water.

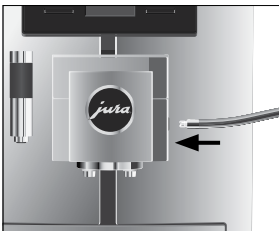
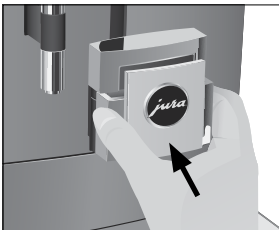
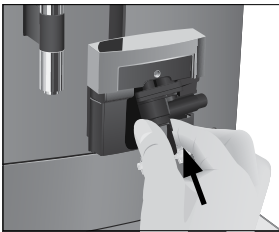
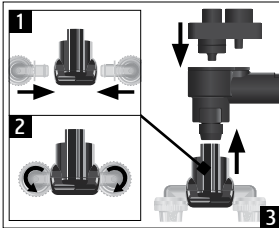
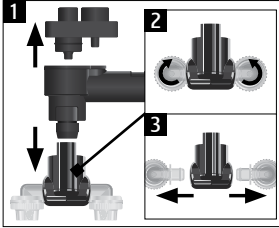


- ▶ Pull the cover of the dual spout forwards and off.



- ▶ Remove the milk system from the dual spout.

5 Maintenance



- ▶ Dismantle the milk system into its individual parts.
- ▶ Rinse all the parts under running water. If there are severely dried-on milk residues, first immerse the individual parts in a solution of 250 ml cold water and 1 dosing unit of milk system cleaner. Then rinse the parts thoroughly.

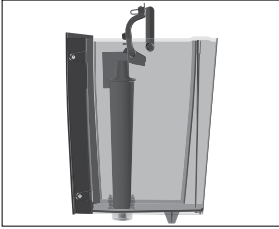
- ▶ Reassemble the milk system.

- ▶ Fit the assembled individual parts back in the dual spout and press it firmly.

- ▶ Fit the cover of the dual spout.

- ▶ Connect the milk pipe to the dual spout.

Inserting the filter



Your X8 no longer has to be descaled if you are using the CLARIS Pro Smart filter cartridge. If you did not insert the filter cartridge the first time you used the machine, you can do this now as follows.

- ▶ Remove the water tank and rinse it with cold water.
- ▶ Open the filter holder.
- ▶ Insert the filter cartridge into the water tank, exerting slight pressure.
- ▶ Close the filter holder. It will click into place audibly.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

i The machine automatically detects that you have just inserted the filter cartridge.

‘Saved’ appears briefly on the display.

‘Filter is being rinsed’, water flows directly into the drip tray. Rinsing of the filter stops automatically.

‘Empty drip tray’

- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.

Your X8 is once more ready for use.

i If the filter is active, this is indicated by a blue filter symbol at the bottom of the display.

The CLARIS Pro Smart filter cartridge communicates with your X8 via RFID technology (frequency band 13.56 MHz). This wireless connection is only used for a maximum of 3 sec. during preparation. In this case, the maximum transmission power is below 1 mW.

Changing the filter

i Once the filter cartridge stops working (depending on the water hardness setting), the X8 will prompt you to change the filter.

i CLARIS Pro Smart filter cartridges are available from specialised dealers.

Precondition: The filter symbol at the bottom of the display lights up red.

- ▶ Remove and empty the water tank.
- ▶ Open the filter holder and remove the old CLARIS Pro Smart filter cartridge.



- ▶ Insert a **new** CLARIS Pro Smart filter cartridge into the water tank, exerting slight pressure.
- ▶ Close the filter holder. It will click into place audibly.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

‘Saved’ appears briefly on the display. The machine has automatically detected that you have just changed the filter cartridge.

‘Filter is being rinsed’, water flows directly into the drip tray. Rinsing of the filter stops automatically.

‘Empty drip tray’

- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.

Your X8 is once more ready for use.

- i** If the filter is active, this is indicated by a blue filter symbol at the bottom of the display.

The CLARIS Pro Smart filter cartridge communicates with your X8 via RFID technology (frequency band 13.56 MHz). This wireless connection is only used for a maximum of 3 sec. during preparation. In this case, the maximum transmission power is below 1 mW.

Cleaning the machine

After 180 preparations or 80 switch-on rinses, the X8 will prompt you to clean it.

CAUTION

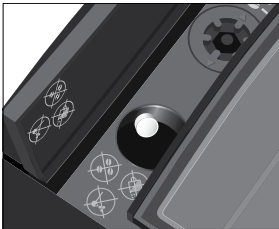
If the wrong cleaning agent is used, the machine could be damaged and/or traces could be left behind in the water.

- ▶ Use only original JURA maintenance products.

- i** The cleaning programme lasts approximately 20 minutes.
- i** Do not interrupt the cleaning programme. The quality of cleaning will be impaired if you do so.
- i** JURA cleaning tablets are available from specialised dealers.

Precondition: ‘Clean machine’ is displayed.

- ▶ Press the ‘P.☼’ button.
‘Clean’
- ▶ Press the ‘Start’ button.



- ▶ Press the 'Next' button.
'Empty coffee grounds container'
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
'Clean'
- ▶ Place a receptacle under the dual spout.
- ▶ Press the 'Next' button.
'Machine is being cleaned', water flows out of the dual spout. The operation is interrupted, 'Add cleaning tablet'.
- ▶ Open the cover behind the bean container.
- ▶ Insert a JURA cleaning tablet into the filler funnel.
- ▶ Close the cover.
- ▶ Press the 'Next' button.
'Machine is being cleaned', water flows out of the dual spout repeatedly. The operation stops automatically.
'Empty coffee grounds container'
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
Cleaning is now complete.

Descaling the machine

The X8 builds up deposits of limescale over time and automatically prompts you to descale it when necessary. The degree of calcification depends on the hardness of your water.

- i** If you are using a CLARIS Pro Smart filter cartridge, you will not be prompted to descale.

⚠ CAUTION

If the descaling agent comes into contact with the skin or eyes, this can cause irritation.

- ▶ Avoid contact with the skin or eyes.
- ▶ Rinse off the descaling agent with clean water. Should you get any descaling agent in your eye, see a doctor.

CAUTION

If the wrong descaling agent is used, the machine could be damaged and/or traces could be left behind in the water.

- ▶ Use only original JURA maintenance products.

CAUTION If the descaling operation is interrupted, there may be damage to the machine.

- ▶ Allow the descaling programme to run to the end.

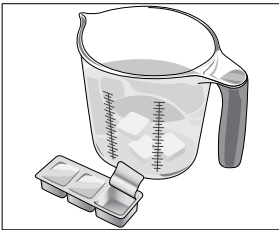
CAUTION If the descaling agent comes into contact with sensitive surfaces (e.g. marble), damage cannot be ruled out.

- ▶ Clean up any splashes immediately.

-
- i** The descaling programme lasts approximately 45 minutes.
 - i** JURA descaling tablets are available from specialised dealers.

Precondition: 'Decalcify machine' is displayed.

- ▶ Press the 'P:⚙️' button.
'Descale'
- ▶ Press the 'Start' button.
- ▶ Press the 'Next' button.
'Empty drip tray'
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
'Agent in tank'
- ▶ Remove and empty the water tank.
- ▶ Completely dissolve 3 JURA descaling tablets in a receptacle holding 600 ml of water. This may take several minutes.
- ▶ Pour the solution into the **empty** water tank and insert it into the machine.



- ▶ Place one receptacle under the dual spout and another under the hot-water spout.
- ▶ Press the 'Next' button.
'Machine is being descaled', water flows repeatedly out of the dual spout and the hot-water spout.
The operation is interrupted, 'Empty drip tray'.
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
'Fill water tank'
- ▶ Remove the water tank and rinse it thoroughly.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

- ▶ Place one receptacle under the dual spout and another under the hot-water spout.
- ▶ Press the 'Next' button.
'Machine is being descaled', the descaling operation is continued.
The operation is interrupted, 'Empty drip tray'.
- ▶ Empty the drip tray and coffee grounds container and put them back into the machine.
Descaling is now complete.


i If the descaling operation stops unexpectedly, rinse the water tank thoroughly.

Cleaning the bean container

Coffee beans may be covered with a slight oil film which remains on the walls of the bean container and on the aroma preservation cover. These traces may negatively affect the coffee result. For this reason, clean the bean container and the aroma preservation cover from time to time.

The bean container cover is lockable (spanner supplied as standard).

Precondition: 'Fill bean container' is displayed.

- ▶ Switch the machine off with the On/Off button .
- ▶ Remove the aroma preservation cover.
- ▶ Clean the bean container with a soft, dry cloth.
- ▶ Fill the bean container with coffee beans and close the aroma preservation cover.

Descaling the water tank


Limescale deposits may form in the water tank. To ensure correct function of the machine, descale the water tank from time to time.

- ▶ Remove the water tank.
- ▶ If you use a CLARIS Pro Smart filter cartridge, remove this.
- ▶ Completely fill the water tank and dissolve 3 JURA descaling tablets in it.
- ▶ Leave the water tank with the descaling solution for several hours (e.g. overnight).
- ▶ Empty the water tank and rinse it thoroughly.
- ▶ If you use a CLARIS Pro Smart filter cartridge, insert this again.
- ▶ Fill the water tank with fresh, cold water and reinsert the tank.

6 Display messages

Message	Cause/Result	Action
'Fill water tank'	The water tank is empty. You cannot prepare any products.	▶ Fill the water tank (see Chapter 3 'Daily operation – Filling the water tank').
'Empty coffee grounds container' / 'Empty drip tray'	The coffee grounds container is full. / The drip tray is full. You cannot prepare any products.	▶ Empty the coffee grounds container and the drip tray (see Chapter 3 'Daily operation – Daily maintenance').
'Drip tray not fitted'	The drip tray is not inserted correctly or is not inserted at all. You cannot prepare any products.	▶ Fit the drip tray.
'Fill bean container'	The bean container is empty. You cannot prepare any speciality coffees, but you can prepare hot water and milk.	▶ Fill the bean container (see Chapter 1 'Preparing and using for the first time – Filling the bean container')
'Rinse the milk system'	The X8 requests a milk system rinse.	▶ Perform milk system rinsing (see Chapter 5 'Maintenance – Rinsing the milk system').
The filter symbol at the bottom of the display lights up red.	The filter cartridge no longer works.	▶ Replace the CLARIS Pro Smart filter cartridge (see Chapter 5 'Maintenance – Changing the filter').
'Clean machine'	The X8 is prompting you to clean it.	▶ Perform cleaning (see Chapter 5 'Maintenance – Cleaning the machine').
'Decalcify machine'	The X8 is prompting you to descale it.	▶ Perform descaling (see Chapter 5 'Maintenance – Descaling the machine').
'Too hot'	The system is too hot to start a maintenance programme.	▶ Wait for several minutes until the system has cooled or prepare a speciality coffee or hot water.

7 Troubleshooting

Problem	Cause/Result	Action
Insufficient foam is produced when the milk is frothed or milk sprays from the dual spout.	The dual spout is dirty.	<ul style="list-style-type: none"> ▶ Clean the milk system in the dual spout (see Chapter 5 'Maintenance – Cleaning the milk system'). ▶ Dismantle and rinse the dual spout (see Chapter 5 'Maintenance – Dismantling and rinsing the dual spout').
	The milk and milk foam temperature is set too high.	▶ Set a lower milk and milk foam temperature (see Chapter 4 'Permanent settings in programming mode – Adjusting the product settings').
Coffee only comes out in drips when it is being prepared.	The coffee is ground too finely and obstructs the system.	▶ Set the grinder to a coarser setting (see Chapter 2 'Preparation – Adjusting the grinder').
There is dry ground coffee behind the coffee grounds container.	The beans used are resulting in an above-average volume of ground coffee.	▶ Reduce the coffee strength or choose a finer grinder setting (see Chapter 2 'Preparation – Adjusting the grinder').
'Fill water tank' is not displayed although the water tank is empty.	There is a lot of limescale in the water tank.	▶ Descale the water tank (see Chapter 5 'Maintenance – Descaling the water tank').
Grinder is making a very loud noise.	There are foreign objects in the grinder.	▶ Contact customer support in your country (see Chapter 11 'JURA contact details / Legal information').
'ERROR 2' or 'ERROR 5' is displayed.	If the machine has been exposed to the cold for a long period of time, heating may be disabled for safety reasons.	▶ Warm the machine at room temperature.
Other 'ERROR' messages are displayed.	–	▶ Switch the X8 off with the On/Off button  . Contact customer support in your country (see Chapter 11 'JURA contact details / Legal information').

i If you were unable to solve the problem, contact customer support in your country (see Chapter 11 'JURA contact details / Legal information').


8 Transport and environmentally friendly disposal

Transport / Emptying the system

Keep the packaging for your X8. It should be used to protect the machine during transport.

In order to protect the X8 from frost during transport, the system must be emptied.



- ▶ Place one receptacle under the dual spout and another under the hot-water spout.
 - ▶ Press the 'P.❄️' button.
 - ▶ Press the '▶' button.
'2/5'
 - ▶ Press the 'Rinse the milk system' button.
'Milk system is being rinsed', water flows out of the dual spout. The operation stops automatically.
 - ▶ Press the 'Hot water' button.
'Hot water', water flows out of the hot-water spout.
 - ▶ Remove and empty the water tank.
Water will flow out of the hot-water spout until the system is empty.
'Fill water tank'
 - ▶ Press the On/Off button .
- Your X8 is switched off.

Disposal

Please dispose of old machines in an environmentally neutral way.



Old machines contain valuable, recyclable materials which should be recycled. Please therefore dispose of old machines via suitable collection systems.

9 Technical data

Voltage	220–240 V ~, 50 Hz
Power	1450 W
Ambient conditions	Humidity max. 80 % Ambient temperature 10–35 °C
Sound pressure level	≤ 70 dB
Conformity mark	CE
Pump pressure	static, max. 15 bar
Holding capacity of water tank (without filter)	5 l
Holding capacity of bean container	500 g
Holding capacity of coffee grounds container	max. 40 portions
Cable length	approx. 1.2 m
Weight	approx. 14 kg
Dimensions (W × H × D)	37.3 × 47 × 46.1 cm

Wireless connections:

CLARIS Pro Smart filter cartridge (RFID technology)	Frequency band 13.56 MHz Max. transmission power < 1 mW
JURA Smart Connect (Bluetooth connection)	Frequency band 2.4 GHz Max. transmission power < 1 mW

Information for testers (repeat test in accordance with DIN VDE 0701-0702): The central grounding point (CGP) is located on the back of the machine, right next to the mains cable's connection point.

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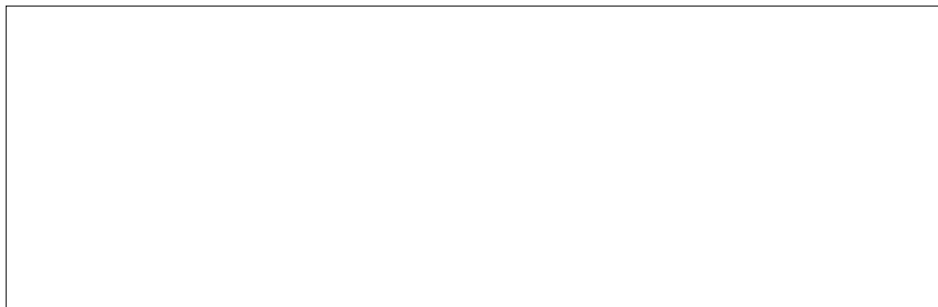
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11 JURA contact details / Legal information

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- Directives** The machine complies with the following directives:
- 2006/42/EC – Machinery Directive
 - 2014/30/EU – Electromagnetic Compatibility
 - 2009/125/EC – Ecodesign Directive
 - 2011/65/EU – RoHS Directive
 - 2014/53/EU – Wireless Voltage Directive

A detailed EU Declaration of Conformity for your X8 can be found at jura.com/conformity.

- Technical changes** We reserve the right to make technical changes. The diagrams used in these instructions for use are for illustration purposes only and do not represent the original colours of the machine. Some details of your X8 may vary.

Feedback Your opinion is important to us! Use the contact details at jura.com.

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