Built-in Oven

User & installation manual

NV70K3370BS/NV70K3370BB/NV70K3370BM

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Using this manual

Thank you for choosing SAMSUNG Built-In Oven.

This User Manual contains important information on safety and instructions intended to assist you in the operation and maintenance of your appliance. Please take the time to read this User Manual before using your oven and keep this book for future reference.

The following symbols are used in this User Manual:

WARNING

Hazards or unsafe practices that may result in **severe personal injury, death and/** or property damage.

Hazards or unsafe practices that may result in **personal injury and/or property damage**.

NOTE

Useful tips, recommendations, or information that helps users manipulate the product.

Safety instructions

Installation of this oven must be performed only by a licensed electrician. The installer is responsible for connecting the appliance to the mains power supply in observance of the relevant safety recommendations.

Important safety precautions

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.

If the supply cord is defective, it must be replaced by a special cord or assembly available from the manufacturer or an authorized service agent. (Fixed wiring type model only) If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. (Power cord type model only) This Appliance should be allowed to disconnection from the supply after installation. The disconnection may be achieved by having the plug accessible or by incorporating a switch in the fixed wiring in accordance with the wiring rules.

Safety instructions

Safety instructions

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The method of fixing is not to depend on the use of adhesives since they are not considered to be a reliable fixing means.

During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.

WARNING: Accessible parts may become hot during use. Young children should be kept away.

If this appliance has steam or self cleaning function, excess spillage must be removed before cleaning and all utensils should not be left in the oven during steam cleaning or self cleaning. The cleaning function depends on the model. If this appliance has self cleaning functions, during self cleaning the surfaces may get hotter than usual and children should be kept away. The cleaning function depends on the model. Only use the temperature probe recommended for this oven. (Meat probe model only)

A steam cleaner is not to be used.

WARNING: Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.

Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in the glass shattering.

WARNING: The appliance and its accessible parts become hot during use.

Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be made by children without supervision.

The temperature of external surfaces may be high when the appliance is operating.

4 English

Safety instructions

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The door or the outer surface may get hot when the appliance is operating.

Keep the appliance and its cord out of reach of children less than 8 years.

Appliances are not intended to be operated by means of an external timer or separate remote-control system.



Please put the bent up frame side to the back. in order to support the restposition when cookina bia loads. (Depending on model)

∧ CAUTION

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If the oven has been damaged in transport, do not connect it.

This appliance must be connected to the mains power supply only by a specially licensed electrician.

In the event of a fault or damage to the appliance, do not attempt to operate it.

Repairs should be performed by a licensed technician only. Improper repair may result in considerable danger to you and others. If your oven needs repair, contact a SAMSUNG Service center or your dealer.

Electrical leads and cables should not be allowed to touch the oven.

The oven should be connected to the mains power supply by means of an approved circuit breaker or fuse. Never use multiple plug adapters or extension leads.

The power supply of the appliance should be turned off when it is being repaired or cleaned.

Take care when connecting electrical appliances to sockets near the oven.

If this appliance has a vapour or steam cooking function, do not operate this appliance when the water supply cartridge is damaged. (Vapour or steam function model only)

When the cartridge is cracked or broken, do not use it and contact your nearest service center. (Vapour or steam function model only)

This oven has been designed only for the cooking of household foods.

During use, the oven interior surfaces become hot enough to cause burns. Do not touch heating elements or interior surfaces of the oven until they have had time to cool.

Never store flammable materials in the oven.

The oven surfaces become hot when the appliance is operated at a high temperature for an extended period of time.

When cooking, take care when opening the oven door as hot air and steam can escape rapidly.

When cooking dishes that contain alcohol, the alcohol may evaporate due to the high temperatures and the Vapour can catch fire if it comes into contact with a hot part of the oven.

For your safety, do not use high-pressure water cleaners or steam jet cleaners.

Children should be kept at a safe distance when the oven is in use.

Frozen foods such as pizzas should be cooked on the big grid. If the baking trav is used, it may become deformed due to the great variation in temperatures.

Do not pour water into the bottom of the oven when it is hot. This could cause damage to the enamel surface.

The oven door must be closed during cooking.

Do not line the bottom of the oven with aluminum foil and do not place any baking trays or tins on it. The aluminum foil blocks the heat, which may result in damage to the enamel surfaces and cause poor cooking results.

Safety instructions

Fruit juices will leave stains, which can become permanent on the enamel surfaces of the oven.

When cooking very moist cakes, use the deep pan.

Do not rest bakeware on the open oven door.

Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.

Do not step, lean, sit or place heavy items on the door.

Do not open the door with unnecessarily strong force.

WARNING: Do not disconnect the appliance from the main power supply even after the cooking process is completed.

WARNING: Do not leave the door open while oven is cooking.

Auto energy saving function

- If no user input is made for a certain time while the appliance is operating, the appliance stops operation and goes to Standby state.
- Light : During cooking process, you can switch off Oven lamp by pressing 'Oven light' button. For energy saving, the oven lighting is switched off a few minutes after cooking program has started.

Installation

WARNING

This oven must be installed by a qualified technician. The installer is responsible for connecting the oven to the main power, while observing the relevant safety regulations of your area.

What's included

Make sure all parts and accessories are included in the product package. If you have a problem with the oven or accessories, contact a local Samsung customer center or the retailer.

Oven at a glance



Installation

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Installation

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Accessories

The oven comes with different accessories that help you prepare different types of food.



NOTE

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Availability of accessories with an asterisk (*) depends on the oven model.

Power connection

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01 BROWN or BLACK02 BLUE or WHITE03 YELLOW and GREEN

Plug the oven into an electrical socket. If a plug-type socket is not available due to allowable current limitations, use a multipole isolator switch (with at least 3 mm spacing in-between) in order to meet safety regulations. Use a power cord of sufficient length that supports the specification H05 RR-F or H05 VV-F, min. 1.5~2.5 mm².

Rated current(A)	Minimum cross- sectional area
10 < A ≤ 16	1.5 mm ²
16 < A ≤ 25	2.5 mm ²

Check the output specifications on the label attached to the oven.

Open the rear cover of the oven using a screwdriver, and remove the screws on the cord clamp. Then, connect the power lines to the relevant connection terminals. The (+)-terminal is designed for earthgrounding. First connect the yellow and green lines (earthgrounding), which must be longer than the others. If you use a plug-type socket, the plug must remain accessible after the oven is installed. Samsung is not responsible for accidents caused by missing or faulty earthgrounding.

WARNING

Do not step on or twist the wires during installation, and keep them away from heat-emitting parts of the oven.

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Installation

Cabinet mount

If installing the oven in a built-in cabinet, the cabinet must have its plastic surfaces and adhesive parts resistant up to 90 °C, and adjacent furniture must be resistant up to 75 °C. Samsung is not responsible for damage to furniture from the oven's heat emission.

The oven must be properly ventilated. For ventilation, leave a gap of about 50 mm between the lower shelf of the cabinet and the supporting wall. If you install the oven under a cooktop, follow the cooktop's installation instructions.

Required Dimensions for Installation



Oven			
А	560	G	Max. 506
В	175	Н	Max. 494
С	370	I	21
D	Max. 50	J	549
Е	595	К	572
F	595	L	550



Built-in cabinet (mm	Built-in cat	pinet	(mm)	
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А	Min. 550
В	Min. 560
С	Min. 50
D	Min. 590 - Max. 600
Е	Min 460 x Min. 50

NOTE

The built-in cabinet must have vents (**E**) to ventilate heat and circulate the air.



	Jnder-sink	cabinet	(mm))
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Α	Min. 550
В	Min. 560
С	Min. 600
D	Min 460 x Min. 50

NOTE

The built-in cabinet must have vents (**D**) to ventilate heat and circulate the air.

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Mounting the oven



Make sure to leave a gap (A) of at least 5 mm between the oven and each side of the cabinet.



Fit the oven into the cabinet and fix the oven firmly on both sides using 2 screws.

After installation is complete, remove the protective film, tape, and other packing material, and take out the provided accessories from inside the oven. To remove the oven from the cabinet, first disconnect power to the oven and remove 2 screws on both sides of the oven.

WARNING

The oven requires ventilation for normal operation. Do not block the vents under any circumstance.

NOTE

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The actual appearance of the oven may differ with the model.

Before you start

Initial settings

When you power on the oven for the first time, the default time of "12:00" appears on the display where the hour element ("12") blinks. Follow the steps below to set the current time.



O Z OK 5 .

 With the hour element blinking, turn the value dial (right-sided dial) to set the hour, and then press OK to move to the minute element.

2. With the minute element blinking, turn the value dial to set the minute, and then press **OK**.

To change the current time after this initial setting, hold down the ④ button for 3 seconds and follow the above steps.

New oven smell

Before using the oven for the first time, clean inside the oven to remove the new oven smell.

- 1. Remove all accessories from inside the oven.
- **2.** Run the oven with Convection 200 °C or Conventional 200 °C for an hour. This will burn any remaining production substances in the oven.
- 3. When complete, turn off the oven.

Smart safety mechanism

If you open the door while the oven is operating, the oven light turns on and both the fan and the heating elements stop operation. This is to prevent physical injuries such as burns as well as to prevent unnecessary energy loss. When this happens, simply close the door and the oven continues to operate normally because this is not a system failure.

light t

Before you start

Accessories

For first time use, clean the accessories thoroughly with warm water, detergent and a soft clean cloth.

inside of the oven.

from any other accessory.

accessories can cause burns.

• Insert the accessory to the correct position

accessory and the bottom of the oven, and

Take caution in removing cookware and/or

accessories out of the oven. Hot meals or

• The accessories may be deformed while

they are gaining heat. Once they have cooled down, they will recover their original appearance and performance.

• Allow at least a 1 cm space from the



01 Level 1	02 Level 2
03 Level 3	04 Level 4
05 Level 5	

Basic use

For better cooking experience, familiarise yourself with how to use each accessory.

Wire rack	The wire rack is designed for grilling and roasting. Insert the wire rack into position with the protruding parts (stoppers on both sides) towards the front
Wire rack insert *	The wire rack insert is used with the tray, and prevents liquid from dropping onto the bottom of the oven.
Baking tray *	The baking tray (depth: 20 mm) is used to bake cakes, cookies, and other pastries. Put the slanted side to the front.
Universal tray *	The universal tray (depth : 30 mm) is used for cooking and roasting. Use the wire-tray insert to prevent liquid from dropping onto the bottom of the oven. Put the slanted side to the front.
Extra-deep tray *	The extra-deep tray (depth: 50 mm) is used for roasting with or without the wire-tray insert. Put the slanted side to the front.

Rotisserie spit *	The rotisserie spit is used for grilling food such as chicken. Use the rotisserie spit only in Single mode at level 3 where the spit adapter is available. Unscrew the spit handle to remove while grilling.
Rotisserie spit and Shashlik *	 Put the tray at rack position 1 to collect cooking juices, or on the bottom of the oven for a large serving of meat. It is recommended to use the spit accessories for meat under 1.5 kg. 1. Insert the spit into the meat. To help insert the spit, screw the spit handle toward the blunt end. 2. Put parboiled potatoes and vegetables around the meat. 3. Put the cradle at the middle tray position with the "V" shape to the front. Rest the spit onto the cradle with the pointed end backward and gently push until the tip of the spit enters the turning mechanism at the back of the oven. The blunt end of the spit must rest on the "V" shape. (The spit has two lugs which should be nearest to the oven door so to stop the spit going forward, the lugs also act as a grip for the handle.) 4. Unscrew the handle before cooking. 5. After cooking, screw the handle back to help remove the spit from the cradle.
	★ WARNING Make sure that the rotisserie handle is seated properly. Be careful when using the rotisserie. The forks and pins are pointed and sharp, which can cause physical injury! To prevent burns, use gloves to remove the rotisserie because it is very hot.
Telescopic rails *	 Use the telescopic rail plate to insert the tray as follows: 1. Stretch the rail plate out from the oven. 2. Put the tray on the rail plate and slide the rail plate into the oven. 3. Close the oven door.

NOTE

Availability of accessories with an asterisk (*) depends on the oven model.

Before you start

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Operations

Control panel

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The front panel comes in a wide range of materials and colours. For improved quality, the actual appearance of the oven is subject to change without notice.



01 Mode selector	Turn to select a cooking mode or function.
02 Temperature	Use to set the temperature.
03 Cooking time	Press to set the cooking time.
04 Timer	Timer helps you check the time or operating duration while cooking.
05 OK	Press to confirm your settings.
06 Back	Cancel current settings, and return to the main screen.
07 Oven light (त Child lock)	 Press to turn the internal light on or off. The oven light turns on automatically when the oven operation starts. And it turns off automatically after a certain period of inactivity in order to save power. Child lock : To prevent accidents, Child lock disables all controls. But you can switch off by turning the mode selector to off. Hold down for 3 seconds to activate, or hold down for 3 seconds again to deactivate the lock on the control panel.
08 Display	Shows necessary information of selected modes or settings.
09 Value dial	 Use the value dial to: Set the cooking time or temperature. Choose a sub item of top-level menus: Cleaning, Auto cook, Special function, or Grill. Choose a serving size for Auto Cook programmes.

Common settings

It is common to change the default temperature and/or cooking time across all cooking modes. Follow the steps below to adjust the temperature and/or cooking time for the selected cooking mode.

Temperature



NOTE

If you do not make any further settings within a few seconds, the oven starts cooking automatically with the default settings.

To change the set temperature, press $\$ button and follow the above steps.

Operations

Operations

Cooking time



1. Turn the mode selector to choose a mode or function.

2. Press the \bigcirc button, and then turn the

You can set the time to a max of 23 hours

value dial to set a desired time.

and 59 minutes.



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 Optionally, you can delay the end time of your cooking to a desired point. Press the

 button, and use the value dial to set an end point. See Delay End for more information.

4. Press OK to confirm your changes.

End time



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1. Turn the mode selector to choose a mode or function.

2. Press 🕘 twice, and turn the value dial to set a desired end time.

3. Press OK to confirm your changes.

NOTE

- You can cook without setting the end time if you want to. In this case, the oven starts cooking at set temperatures without time information, and you must stop the oven manually when cooking is complete.
- To change the end time, press (2) twice, and follow the above steps.

NOTE

• You can cook without setting the cooking time if you want to. In this case, the oven starts cooking at set temperatures without time information, and you must stop the oven manually when cooking is complete.

• To change the set cooking time, press O button and follow the above steps.

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Delay End

Delay End is designed to make cooking more convenient.

Case 1

Suppose you select a one-hour recipe at 2:00 PM and you want the oven to finish cooking at 6:00 PM. To set the end time, change the Ready At time to 6:00 PM. The oven will start cooking at 5:00 PM and end at 6:00 PM as you set.

Current time: 2 pm Set cooking time: 1 hour Set Delay End time: 6 pm

The oven will start cooking at 5:00 PM and end at 6:00 PM automatically.



Case 2

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• Delay End is not available in Dual cook mode.

• Do not keep cooked food in the oven too long. The food may spoil.

To clear the cooking time

You can clear the cooking time. This is useful if you want to stop the oven manually at any time during the process.



NOTE

If you have cancelled the cooking time, you must stop the oven manually when cooking is complete.

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Operations

To clear the end time

You can clear the end time. This is useful if you want to stop the oven manually at any time during the process.



To stop cooking

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NOTE

If you have cancelled the end time, you must stop the oven manually when cooking is complete.

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Cooking mode



- **1.** Turn the mode selector to choose a mode or function.
- Set the cooking time and/or temperature if necessary.
 For more information, see Common Settings.



The oven starts preheating with 🖾 icon until the internal temperature reaches the target temperature. Pre-heating is recommended for all cooking modes unless otherwise specified in the cooking guide.

NOTE

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You can change the cooking time and/or temperature during cooking.

Cooking modes

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	Mode	Temperature range (°C)	Suggested temperature (°C)			
		30-250	170			
(Fr)	Convection	The rear heating element generates heat, which is even distributed by the convection fan. Use this mode for baking and roasting on different levels at the same time				
		30-250	170			
(FECO	Eco convection	Eco Convection uses the optimized heating system to save energy while cooking. The cooking times slightly increases, but the cooking results remain the same. Note that this mode does not require preheating.				
		NOTE				
		ECO Convection mode of heating used to determine the energy efficiency class is in accordance with EN60350-1				
		40-250	190			
Ð	Top heat + convection	The top heating element gen distributed by the convectior roasting that requires a crisp lasagne).	n fan. Use this mode for			
		40-250	190			
Ŧ	Bottom heat + convection	The bottom heating element evenly distributed by the cor for pizza, bread, or cake.	•			
		80-200	160			
€ ₽	tic pre-heating cycle until s 220 °C. Then, the top vection fan start operating ter searing, the meat will es. Use this mode for beef,					

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English 15

Operations

	Mode	Temperature range (°C)	Suggested temperature (°C)		
		30-250	200		
	Conventional	The heat is generated from the top and bottom heating elements. This function should be used for standard baking and roasting for most types of dishes.			
		100-230	190		
	Bottom heat	The bottom heating element generates heat. Use this mode at the end of baking or cooking to brown the bottoms of a quiche or pizza.			
		100-250	240		
Large grill The large-area grill emits heat. Use this m browning the tops of food (for example, m gratin).					
		100-250	240		
~	Eco grill	Heat is emitted from the small area grill. This function should be used for smaller dishes that need less heat, lik fish and filled baguettes.			

Auto cook

For inexperienced cooks, the oven offers a total of 20 auto cooking recipes. Take advantage of this feature to save you time or shorten your learning curve. The cooking time and temperature will be adjusted according to the selected programme and serving size.



- 2. Turn the value dial to select a programme, and then press **OK**. The available weight range (serving size) is
- **3.** Turn the value dial to set the serving size, and then press **OK** to start cooking.

NOTE

- Some of the items in the Auto cook programmes include preheating. For those items the preheating progress is displayed. Please put the food in the oven after preheating beep. Then, press Cooking time to start Auto Cook.
- For more information, see the Auto cook programmes section in this manual.

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Cleaning

Two cleaning modes are available for you. This function saves you time by removing the need for regular manual cleaning. The remaining time appears on the display during this process.

Function		Instructions	
C 1	Steam cleaning	This is useful for cleaning light soiling with steaming.	
C 2	Pyro cleaning	Pyrolytic features high temperature thermal cleaning. It burns off oily leftovers to facilitate manual cleaning.	

Steam cleaning

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This is useful for cleaning light soiling with steaming.



1. Pour 400 ml (3/4 pint) of water onto the bottom of the oven and close the oven door.



2. Turn the mode selector to select S.



Turn the value dial to select C 1 (Steam cleaning), and then press OK to start cleaning.
 Steam cleaning runs for 26 minutes.



4. Use a dry cloth to clean inside the oven.

Do not open the door before the cycle is complete. The water inside the oven is very hot, and it can cause a burn.

NOTE NOTE

- If the oven is heavily soiled with grease, for example, after roasting or grilling, it is recommended to remove stubborn soils manually using a cleaning agent before activating Steam cleaning.
- Leave the oven door ajar when the cycle is complete. This is to allow the interior enamel surface to dry thoroughly.
- While the oven is hot inside, auto cleaning is not activated. Wait until the oven cools down, and try again.
- Do not pour water onto the bottom by force. Do it gently. Otherwise, the water overflows to the front.

Pyro cleaning

Pyrolytic features high temperature thermal cleaning. It burns off oily leftovers to facilitate manual cleaning.



 Remove all accessories including the side runners, and wipe out large pieces of impurities manually from inside the oven. Otherwise, they may cause flames during the cleaning cycle, resulting in fire.
 Turn the mode selector to select

Operations







- **3.** Turn the value dial to select Pyro cleaning (C 2), and then press OK.
- **4.** Turn the value dial to select a cleaning time from 3 levels: 1 hr 50 min, 2 hr 10 min, and 2 hr 30 min. 5. Press OK to start cleaning.
- **6.** When complete, wait until the oven cools down, and then wipe the door along its edges using a wet cloth.

Timer

Timer helps you check the time or operating duration while cooking.



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Sound On/Off

∧ CAUTION

- Do not touch the oven because the oven becomes very hot during the cycle.
- To avoid accidents, keep children away from the oven.
- After the cycle is complete, do not power off while the cooling fan is operating to cool the oven down.

NOTE

- Once the cycle starts, the oven becomes hot inside. Then, the door will be locked for safety. When the cycle is complete and the oven cools down, the door will be unlocked.
- Make sure you empty the oven before cleaning. Accessories can be deformed due to high temperatures inside the oven.



• To unmute the sound, press and hold down again for 3 seconds.

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Cooking smart

Manual cooking

WARNING on acrylamide

Acrylamide produced while baking starch-contained food such as potato chips, French fries, and bread may cause health problems. It is recommended to cook these foods at low temperatures and avoid overcooking, heavy crisping, or burning.

NOTE

- Pre-heating is recommended for all cooking modes unless otherwise specified in the cooking guide.
- When using Eco Grill, put food in the centre of the accessory tray.

Accessory tips

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Your oven comes with a different number or kind of accessories. You may find that some accessories are missing from the table below. However, even if you are not provided with the exact accessories specified in this cooking guide, you can follow along with what you already have, and achieve the same results.

• The Baking tray and the Universal tray are interchangeable.

• When cooking oily foods, it is recommended to put a tray under the Wire rack to collect oil residue. If you are provided with the Wire rack insert, you can use it together with the tray.

• If you are provided with the Universal tray or Extra deep tray, or both, it is better to use whichever is deeper for cooking oily foods.

Baking

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We recommend to preheat the oven for best results.

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)
Sponge cake	Wire rack, Ø 25-26 cm tin	2	¢	160-170	35-40
Marble cake	Wire rack, Gugelhopf tin	3		175-185	50-60
Tart	Wire rack, Ø 20 cm tart tin	3	(\$ 7)	190-200	50-60
Yeast cake on tray with fruits and crumbles	Universal tray	2		160-180	40-50
Fruit crumble	Wire rack, 22- 24 cm oven dish	3	(\$ 7)	170-180	25-30
Scones	Universal tray	3	(Sr)	180-190	30-35
Lasagne	Wire rack, 22- 24 cm oven dish	3	(Sr)	190-200	25-30
Meringues	Universal tray	3	(Sp)	80-100	100-150
Soufflé	Wire rack, soufflé cups	3	¢	170-180	20-25
Apple yeast tray cake	Universal tray	3	(Sr)	150-170	60-70
Homemade pizza, 1-1.2 kg	Universal tray	2	F	190-210	10-15
Frozen puff pastry, filled	Universal tray	2	F	180-200	20-25
Quiche	Wire rack, 22- 24 cm oven dish	2	F	180-190	25-35

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Cooking smart

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)
Apple pie	Wire rack, Ø 20 cm tin	2	F	160-170	65-75
Chilled pizza	Universal tray	3	F	180-200	5-10

Roasting

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)		
Meat(Beef/Pork/La	Meat(Beef/Pork/Lamb)						
Sirloin of beef, 1 kg	Wire rack + Universal tray	3 1	¢	160-180	50-70		
Boned loin of veal, 1.5 kg	Wire rack + Universal tray	3 1	(S r)	160-180	90-120		
Pork roast, 1 kg	Wire rack + Universal tray	3 1	F	200-210	50-60		
Joint of pork, 1 kg	Wire rack + Universal tray	3 1	(S r)	160-180	100-120		
Leg of lamb on the bone, 1 kg	Wire rack + Universal tray	3 1	(F)	170-180	100-120		
Poultry(Chicken/Du	Jck/Turkey)			·			
Chicken, Whole, 1.2 kg*	Wire rack + Universal tray	3 1	Ð	205	80-100		
Chicken pieces	Wire rack + Universal tray	3 1	Ð	200-220	25-35		
Duck breast	Wire rack + Universal tray	3 1	Ð	180-200	20-30		
Small turkey, Whole, 5 kg	Wire rack + Universal tray	3 1	Ś	180-200	120-150		

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)		
Vegetables	Vegetables						
Vegetables, 0.5 kg	Wire rack + Universal tray	3 1	F	220-230	15-20		
Baked potato halves, 0.5 kg	Wire rack + Universal tray	3 1	¢	200	45-50		
Fish							
Fish fillet, baked	Wire rack + Universal tray	3 1	F	200-230	10-15		
Roast fish	Wire rack+ Universal tray	3 1	G	180-200	30-40		

* Turnover after half of time.

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Grilling

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We recommend preheat the oven using large grill mode. Turn over after half of time.

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)		
Bread	Bread						
Toast	Wire rack	5	~~~	240-250	2-4		
Cheese toast	Universal tray	4	····	200	4-8		
Beef							
Steak*	Wire rack + Universal tray	4 1	····	230-250	15-20		
Burgers*	Wire rack + Universal tray	4 1	····	230-250	15-20		
Pork							
Pork chops	Wire rack + Universal tray	4 1	····	230-250	20-25		
Sausages	Wire rack + Universal tray	4 1	~~	230-250	10-15		
Poultry	Poultry						
Chicken, breast	Wire rack + Universal tray	4 1	····	230-240	30-35		
Chicken, drumstick	Wire rack + Universal tray	4 1	····	230-240	25-30		

Frozen ready-meal

Food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)
Frozen pizza	Wire rack	3	(S r)	200-220	15-25
Frozen lasagne	Wire rack	3		180-200	45-50
Frozen oven chips	Universal tray	3	Ś	220-225	20-25
Frozen croquettes	Universal tray	3	Þ	220-230	25-30
Frozen oven camembert	Wire rack	3	~	190-200	10-15
Frozen baguettes with topping	Wire rack + Universal tray	3 1	~	190-200	10-15
Frozen fish fingers	Wire rack + Universal tray	3 1	~	190-200	15-25
Frozen fish burger	Wire rack	3	~	180-200	20-35

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* Turnover after 2/3 of the cooking time.

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Pro-Roasting

This mode includes an automatic heating-up cycle up to 220 °C. The top heater and the convection fan are operating during the process of searing the meat. After this stage the food is cooked gently by the low temperature of pre-selection. This process is done while the top and the bottom heaters are operating. This mode is suitable for meat roasts and poultry.

Food	Accessory	Level	Temp. (°C)	Time (hrs.)
Roast beef	Wire rack + Universal tray	3 1	80-100	3-4
Pork roast	Wire rack + Universal tray	3 1	80-100	4-5
Lamb roast	Wire rack + Universal tray	3 1	80-100	3-4
Duck breast	Wire rack + Universal tray	3 1	70-90	2-3

Food	Accessory	Level	Temp. (°C)	Time (min.)
Frozen potato wedges, 0.3-0.5 kg	Universal tray	3	190-210	20-30
Fish fillets, baked, 0.4-0.8 kg	Wire rack + universal tray	3 1	200-220	20-30
Crispy fish fillets, breaded, 0.4- 0.8 kg	Wire rack + universal tray	3 1	200-220	20-30
Roast sirloin of beef, 0.8-1.2 kg	Wire rack + universal tray	2 1	180-200	50-70
Roast vegetables, 0.4-0.6 kg	Universal tray	3	200-220	20-30

ECO convection

This mode uses the optimized heating system so that you save the energy during cooking your dishes. The times of this category are suggested to not be preheated before cooking for saving more energy.

You can increase or decrease the cooking time and/or temperature to your preference.

Food	Accessory	Level	Temp. (°C)	Time (min.)
Fruit crumble, 0.8-1.2 kg	Wire rack	2	160-180	40-60
Jacket potatoes, 0.4-0.8 kg	Universal tray	2	190-200	50-70
Sausages, 0.3-0.5 kg	Wire rack + Universal tray	3 1	160-180	15-25
Frozen oven chips, 0.3-0.5 kg	Universal tray	3	180-200	20-30

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Auto cook programmes

The following table presents 20 auto programmes for cooking, roasting and baking.

It contains its quantities, weight ranges and appropriate recommendations. Cooking modes and times have been pre-programmed for your convenience. You will find some recipes for the auto programmes in your instruction book. Auto cook programmes 1 to 8, 18 and 19 include preheating and display the preheating progress. Please put the food in the oven after preheating beep. Then, press **Cooking time** to start Auto Cook.

WARNING

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Always use oven gloves while taking out food.

No.	Food	Weight (kg)	Accessory	Level
		1.0-1.5	Wire rack	3
A 1	Potato gratin	Prepare fresh potato gratin using an ovenproof dish, 22-24 cm. Start programme, after preheating beep sounds, put dish in the centre of rack.		
		0.8-1.2	Wire rack	3
A 2	Vegetable gratin	Prepare fresh vegetable gratin using an ovenproof dish, 22-24 cm. Start programme, after preheating beep sounds, put dish in the centre of rack.		
		1.0-1.5	Wire rack	3
A 3	Lasagne	Prepare homemade lasagne using a 22-24 cm ovenproof dish. Start programme, after preheating beep sounds, put dish in the centre of rack.		
		1.2-1.4	Wire rack	2
A 4Apple piePrepare apple pie using a 24 baking tin. Start programme, sounds, put tin in the centre		rogramme, after pre		

No.	Food	Weight (kg)	Accessory	Level	
		1.2-1.5	Wire rack	2	
A 5	Quiche Lorraine	Prepare quiche dough, put in a round quiche dish with 25 cm diameter. Start programme, after preheating beep sounds add filling and put dish in the centre of rack.			
		0.5-0.6	Wire rack	3	
A 6	Sponge cake	Prepare dough and put into a black metal round baking tin with 26 cm diameter. Start programme, after preheating beep sounds, put tin in the centre of rack.			
		0.7-0.8	Wire rack	2	
A 7	Marble cake	Prepare dough and put into a metal round gugelhopf or bundt tin. Start programme, after preheating beep sounds, put tin in the centre of rack.			
		0.7-0.8	Wire rack	2	
A 8	Dutch loaf cake	baking dish (lengt	d put into a black m h 25 cm). Start prog ounds, put tin in the	ıramme, after	
		0.9-1.1	Wire rack +	2	
A 9	Roast sirloin of	1.1-1.3	Universal tray	1	
	beef Season the beef and leave in refrigerato Put on the wire rack with fat-side-up.			ator for 1 hour.	
		0.4-0.6	Wire rack +	4	
A 10	Herb roasted	0.6-0.8	Universal tray	1	
	lamb chops	Marinate the lamb chops with herbs and spices and put them on wire rack.			

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No.	Food	Weight (kg)	Accessory	Level	
		0.9-1.1	Wire rack +	2	
		1.1-1.3	Universal tray	1	
A 11	Chicken, whole	Rinse and clean chicken. Brush chicken with oil and spices. Put it breast side down on the wire rack and turn over, as soon as the oven beeps.			
		0.4-0.6	Wire rack +	4	
A 12	Chicken, breast	0.6-0.8	Universal tray	1	
		Marinate breasts a	and put on the wire	rack.	
		0.3-0.5	Wire rack +	4	
		0.5-0.7	Universal tray	1	
A 13	Trout	Rinse and clean the fish and put head to tail on th wire rack. Add lemon juice, salt and herbs inside f Cut skin surface with knife. Brush oil and salt.			
	Salmon fillet	0.4-0.6	Wire rack +	4	
A 14		0.6-0.8	Universal tray	1	
A 14	Sumon mice	Rinse and clean fillets of steaks. Put fillets skin side up on wire rack.			
		0.4-0.6	Universal tray		
	Roasted	0.6-0.8		4	
A 15	vegetables	Rinse and prepare slices of courgette, eggplant, pepper, onion and cherry tomatoes. Brush with olive oil, herbs and spices. Distribute evenly on tray.			
		0.6-0.8		2	
	Raked potato	0.8-1.0	Universal tray	3	
A 16	Baked potato halves		arge potatoes (each 200 g) into halves lengthways vith cut side up on tray and brush with olive oil, s and spices.		

No.	Food	Weight (kg)	Accessory	Level
	_	0.3-0.5	Universal tray	3
A 17	Frozen oven chips	0.5-0.7	Universal tray	5
	•	Distribute frozen o	oven chips evenly o	n tray.
		0.3-0.6	Wire rack	3
		0.6-0.9	WITE FACK	2
A 18	Frozen pizza	Put the frozen pizza in the middle of the wire rack. Start programme, after preheating beep sounds, insert rack. The first setting is for thin Italian pizza, the second setting for thick pan pizza.		
		0.8-1.0	Universal tray	2
		1.0-1.2	Universal tray	۷.
A 19	9 Homemade pizza Prepare homemade pizza wi it on the tray. The weight ind such as sauce, vegetables, ha programme, after preheating			gh and topping neese. Start
		0.5-0.6	Wire rack	2
	Fermentation	0.7-0.8	WITE FACK	2
A 20	yeast dough	centre of rack. The	bowl, cover with cli e first setting is for p setting for bread d	pizza and cake

Cooking smart

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Test dishes

According to standard EN 60350-1

1. Baking

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The recommendations for baking refer to a preheated oven. Always put trays the slanted side to the door front.

Type of food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)		
		3		165	25-30		
Small cakes	Universal tray	2	(Sr)	165	28-33		
		1+4	(Sr)	155	35-40		
Shortbread	Universal tray	1+4	(Sr)	140	28-33		
Fatless	Wire rack + Spring	2		160	35-40		
sponge	form cake tin (Dark coated, ø 26 cm)			2	(\$ 7)	160	35-40
Cake		1+4	(Sr)	155	45-50		
	Wire rack + 2 Spring form cake tins * (Dark coated, ø 20 cm)	1 placed diagonally		160	70-80		
Apple pie	Universal tray + Wire rack + 2 Spring form cake tins ** (Dark coated, ø 20 cm)	1+3	¢	160	80-90		

* Two cakes are arranged on the grid at the back left and at the front right.

** Two cakes are arranged in the centre on top of each other.

2. Grilling

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Preheat the empty oven for 5 minutes using Large Grill function.

Type of food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)
White bread toast	Wire rack	5	····	250 (max)	1-2
Beef burgers* (12 ea)	Wire rack + Universal tray (to catch drippings)	4 1	····	250 (max)	1 st 18-22 2 nd 7-10

 * Turn over after $^{2}/_{3}$ of the cooking time.

3. Roasting

Type of food	Accessory	Level	Type of heating	Temp. (°C)	Time (min.)
Whole chicken*	Wire rack + Universal tray (to catch drippings)	3 1	F	205	80-100

* Turnover after half of time.

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Maintenance

Cleaning

WARNING

Make sure the oven and accessories are cool before cleaning. Do not use abrasive cleaning agents, hard brushes, scouring pads or cloths, steel wool, knives or any other abrasive materials.

Oven interior

- For cleaning the interior of the oven, use a clean cloth and a mild cleaning agent or warm soapy water.
- Do not hand-clean the door seal.
- To avoid damaging the enamelled oven surfaces, only use standard oven cleaners.
- To remove stubborn soils, use a special oven cleaner.

Oven exterior

For cleaning the exterior of the oven such as the oven door, handle, and display, use a clean cloth and a mild cleaning detergent or warm soapy water, and dry with a kitchen roll or dry towel.

Grease and dirt can remain, especially around the handle because of the hot air coming from inside. It is recommended to clean the handle after each use.

Accessories

Wash the accessories after every use, and dry it with a tea towel. To remove stubborn impurities, soak the used accessories in warm soapy water for about 30 minutes before washing.

Catalytic enamel surface (applicable models only)

The removable parts are coated with dark grey catalytic enamel. They can be soiled with oil and fat spattered by the circulating air during convection heating. However, these impurities burn off at oven temperatures of 200 °C or above. **1.** Remove all accessories from the oven.

- 1. Remove all accessories from the c
- **2.** Clean the interior of the oven.
- **3.** Select Convection mode with max temperature, and run the cycle for an hour.

NOTE

The catalytic parts are coated on either a single side or 3 sides, depending on the model.

Door removal

For normal use, the oven door must not be removed but if removal is necessary, for example, for cleaning purposes, follow these instructions.

The oven door is heavy.



1. Open the door and flip open the clips at both hinges completely.



 Close the door by approximately 70°. With both hands, grasp the sides of the oven door at its middle and pull-lift until the hinges can be taken out.



3. After cleaning, for attaching the door repeat the 1 and 2 steps in revers order. The clip on the hinge should be closed on both side.

Door glass removal

The oven door is equipped with 3 sheets of glass placed against each other. These sheets can be removed for cleaning.

WARNING

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The oven door must be removed from the oven for cleaning the door glasses.



1. Remove 2 screws on the left and right sides of the door.



2. Detach the cover and remove glass 1, 2 and 2 guide rubbers from the door.



3. After cleaning the door glasses, for assembly repeat 1, 2 steps in revers order. Check the right locations of glasses with above picture.

The water collector collects not only excess

If you encounter a water leak from the

water collector, contact us at a local

Samsung service center.

01 Cover **02** Guide rubbers (Right and Left) **03** Glass 2 **04** Glass 1

NOTE

When assembly the inner glass 1, make sure not to use glass 2 and put printing to direction below.

> water collector. **WARNING**

Water collector



01 Water collector

moisture from cooking but also food residue. Regularly empty and clean the ۲

01 Glass 1 02 2 Guide rubbers

Maintenance

Detaching the side runners (depending on model)



1. Press central part of the side runner top portion.



2. Rotate the side runner by approximately 45 °.

- 3. Pull and remove the side runner from bottom two holes.

Replacement

Bulbs



- 1. Remove the glass cap by turning anticlockwise.
- **2.** Replace the oven light.
- 3. Clean the glass cap.
- 4. When done, follow step 1 above in the reverse order to reinsert the glass cap.

WARNING

- Before replacing a bulb, turn off the oven and unplug the power cord.
- Use only 25-40 W/220-240 V, 300 °C heat-resistant bulbs. You can purchase approved bulbs at a local Samsung service center.
- Always use a dry cloth when handling a halogen bulb. This is to prevent the bulb from being tampered with fingerprints or sweat, resulting in a shortened lifecycle.



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Troubleshooting

Checkpoints

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If you encounter a problem with the oven, first check the table below and try the suggestions. If the problem continues, contact a local Samsung service centre.

Problem	Cause	Action
The buttons cannot be pressed properly.	 If there is foreign matter caught between the buttons 	 Remove the foreign matter and try again.
	 Touch model: if there is moisture on the exterior 	• Remove the moisture and try again.
	 If the lock function is set 	• Check whether the lock function is set.
The time is not displayed.	 If there is no power supplied 	Check whether there is power supplied.
The oven does not work.	 If there is no power supplied 	Check whether there is power supplied.
The oven stops while in operation.	 If it is unplugged from the power socket 	• Reconnect the power.
The power turns off during operation.	 If continuous cooking takes a long time 	• After cooking for a long time, let the oven cool.
	 If the cooling fan does not work 	• Listen for the sound of the cooling fan.
	 If the oven is installed in a place without good ventilation 	• Keep the gaps specified in the product installation guide.
	 When using several power plugs in the same socket 	• Use a single plug.
There is no power to the oven.	 If there is no power supplied 	Check whether there is power supplied.

Problem	Cause	Action
The oven exterior is too hot during operation.	 If the oven is installed in a place without good ventilation 	• Keep the gaps specified in the product installation guide.
The door cannot be opened properly.	 If there is food residue stuck between the door and product interior 	• Clean the oven well and then open the door again.
The interior light is dim or does not turn on.	• If the lamp turns on and then off	• The lamp automatically turns off after a certain amount of time to save power. You can turn it on again by pressing the oven light button.
	 If the lamp is covered by foreign matter during cooking 	Clean the inside of the oven and then check.
Electric shock occurs on the oven.	 If the power is not properly grounded 	Check whether the power supply is properly
	 If you are using a socket without grounding 	grounded.
There is water dripping.	 There may be water or steam in some cases 	Let the oven cool and then wipe with a dry dish
There is steam through a crack in the door.	depending on the food. This is not a product malfunction.	towel.
There is water remaining in the oven.		
The brightness inside the oven varies.	 The brightness changes depending on power output changes. 	• Power output changes during cooking are not malfunctions, so there is no need to worry.

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Troubleshooting

Problem	Cause	Action
Cooking is finished, but the cooling fan is still running.	• The fan automatically runs for a certain amount of time to ventilate inside the oven.	• This is not a product malfunction, so there is no need to worry.
The oven does not heat.	• If the door is open	Close the door and restart.
	If oven controls are not correctly set	 Refer to the chapter on oven operation and reset the oven.
	• If the household fuse has been blown or the circuit breaker has operated	 Replace the fuse or reset the circuit. If it happens repeatedly, call an electrician.
Smoke comes out during operation.	• During initial operation	• Smoke may come from the heater when you first use the oven. This is not a malfunction, and if you run the oven 2-3 times, it should stop happening.
	If there is food on the heater	 Let the oven cool sufficiently and remove the food from the heater.
There is a burning or plastic smell when using the oven.	 If using plastic or other containers that are not heat-resistant 	 Use glass containers suitable for hot temperatures.

Problem	Cause	Action
The oven does not cook properly.	If the door is often opened during cooking	• Do not frequently open the door unless you are cooking things that need to be turned. If you frequently open the door, the interior temperature will be lower and this may affect the results of your cooking.
The set is warm during pyro cleaning.	 This is because pyro cleaning uses high temperatures. 	 This is not a product malfunction, so there is no need to worry.
There is a burning smell during pyro cleaning.	 Pyro cleaning uses high temperatures, so you may smell food residue burning. 	 This is not a product malfunction, so there is no need to worry.
Steam cleaning does not work.	 This is because the temperature is too high. 	Cool the oven and then use

Troubleshooting

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Technical specifications

Information codes

If the oven fails to operate, you may see an information code on the display. Check the table below and try the suggestions.

Code	Meaning	Action
C-d1	Door lock malfunctions	
C-20		Turn off the oven and then restart.
C-21	Sensor malfunctions	If the problem continues, turn off
C-22		all power for 30 seconds or more
C-F1	Only occurs during EEPROM Read/ Write	and then reconnect. If the problem is not fixed, please contact a service centre.
C-F0	If there is no communication between the main PCB and sub PCB	
C-F2	Occurs when a communication problem is maintained between the Touch IC <-> Main or Sub micom	Turn off the oven and then restart. If the problem continues, turn off all power for 30 seconds or more and then reconnect. If the problem is not fixed, please contact a service centre.
C-d0	Button problem Occurs when a button is pressed and held for a period of time.	Clean the buttons and make sure there is no water on/around them. Turn off the oven and try again. If the problem continues, contact a local Samsung service centre.
S-01	Safety shutoff Oven has continued operating at a set temperature for an extended time. • Under 105 °C - 16 hours • From 105 °C to 240 °C - 8 hours • From 245 °C to Max - 4 hours	This is not system failure. Turn off the oven and remove food. Thenm try again normally.

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Dimensions (W x H x D)	Outside	595 x 595 x 570 mm	
Volume		70 liter	
Weight	Net	38.8 kg	
Connection voltage		230-240 V ~ 50 Hz	
Maximum connected load power		3400-3600 W	

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QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRALIA	1300 362 603	www.samsung.com/au/support
NEW ZEALAND	0800 726 786	www.samsung.com/nz/support
CHINA	400-810-5858	www.samsung.com/cn/support
HONG KONG	3698 4698	www.samsung.com/hk/support (Chinese) www.samsung.com/hk_en/support (English)
INDIA	1800 40 SAMSUNG (1800 40 7267864) (Toll-Free)	www.samsung.com/in/support
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PHILIPPINES	1-800-10-726-7864 [PLDT Toll Free] 1-800-8-726-7864 [Globe Landline and Mobile] 02-422-2111 [Standard Landline]	www.samsung.com/ph/support
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