

## Installation and Operating Instructions **Built in Gas Cooktops**

### **Model Numbers**

**HG6412A**

**HG7512A**

**HG9512A**

**Please note:** *This cooktop must be installed by an authorised installer.*



# **OPERATING INSTRUCTIONS**

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## SAFETY PRECAUTIONS

***IMPORTANT!*** *This booklet is a fundamental part of the appliance, it should be retained. Read all instructions carefully before using the appliance.*

*This appliance is to be installed by a qualified technician in accordance with the gas installation code AS5601, SAA wiring rules, as well as the requirements of all local statutory and building authorities and regulations. This appliance is for domestic use only and has been designed for cooking and heating food. Any other use is considered improper.*

*The manufacturer is not responsible for bad installation, tampering, unskilled use and usage other than that it is intended for.*

- Check that the product has not been damaged during transport.
- Packing elements (plastic bags, expanded polystyrene, nylon etc) are potentially dangerous and must be kept away from children.
- Packing is made up of recyclable material and is marked by the  symbol.
- This appliance is only to be used by adults. **Make sure the children do not touch the controls or play with the appliance.**
- Do not try to modify the appliance. In the case of faults, do not attempt repair but ask for assistance from a LG Service Agent.
- The data plate with its technical data is in a visible position under the housing. There is another data plate enclosed that should be attached to a handy surface for future reference. **The data plate under the housing must never be removed.**
- The illustrations for using the appliance are in the final pages of this booklet.
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION**
- **WHERE THIS COOKTOP IS INSTALLED IN A MARINE CRAFT OR A CARAVAN IT SHALL NOT BE USED AS A SPACE HEATER**
- **WARNING: ACCESSIBLE PARTS BECOME HOT IN USE. TO AVOID BURNS AND SCALDS CHILDREN SHOULD BE KEPT AWAY.**

### Safety hints and usage tips

- After use ensure that all controls are in the off position
- Never leave cooking food unattended during use as this can lead to a fire risk.
- Be aware of wearing loose garments while cooking as these may catch vessel handles or catch fire.
- Always turn pan handles to the side or to the back of the cooktop where they can't be knocked or reached by children.

## COOKTOP IDENTIFICATION

### **Warning:**

This appliance is designed to be built into a kitchen bench capable of withstanding the weight of the appliance during its use.

- The kitchen bench must be resistant to temperatures of at least 100°C. Check with the manufacturer of the bench material to be sure. No liability will be accepted for damage to bench materials that do not comply
- See the relative paragraph and drawings for correct installation.
- Using a gas cooking appliance causes heat and humidity in the location where it is installed. Make sure that the kitchen is adequately ventilated, install a range hood if required. See fig. 11 & 12.

This booklet covers a number of models. You can see your **model** number on the data plate:

## **MODELS**

### **60cm hob with front commands**

#### **Mod: HG6412A (Fig. 1)**

1. Semi-rapid front burner (SR)
2. Semi-rapid back burner (SR)
3. Auxiliary burner (A)
4. Triple-crown burner (TC)

### **70cm hob with front commands**

#### **Mod: HG7512A (Fig. 2)**

1. Auxiliary burner (A)
2. Rapid burner (R)
3. Semi-rapid back burner (SR)
4. Semi-rapid front burner (SR)
5. Triple-crown burner (TC)

### **90cm hob with front commands**

#### **Mod: HG9512A (Fig. 3)**

1. Dual burner (DUAL)
2. Semi-rapid back burner (SR)
3. Rapid burner (R)
4. Semi-rapid front burner (SR)
5. Auxiliary burner (A)

## LIGHTING THE GAS BURNERS

### **Gas burners**

The flow of gas to the burners is regulated by the controls knobs. Depending on the model, the graphic symbols are printed on the knobs or the control panel (Fig. 6). The indicator symbols are:

- Valve closed, no gas flow
- Maximum capacity, maximum gas flow
- Minimum capacity, minimum gas flow

### **Turning On and Off**

Each control knob is clearly marked with the burner that it controls.

### **Lighting with electronic ignition**

These models are identified with the  symbol near to the ● symbol (maximum flow).

To light one or more burners, press and turn the knob to maximum flow and hold it down until the burner is lit; turn the knob until the desired flame is obtained.

### **Note:**

**If it is difficult to light the burner with the knob in the maximum position because of local gas flow, we recommend repeating the operation with the knob turned to a lower level.**

### **Lighting without electronic ignition**

To turn on burners without electric ignition, or when there is no electrical power in models with ignition, place a flame near to the upper part of the burner, press and turn the knob anti-clockwise so that it points to the ● symbol on the panel. To turn the burner off, turn the knob clockwise until it points directly upwards.

### **Burners with safety valves**

Some models have safety valves which automatically interrupts gas flow should the flame be extinguished for any reason.

Turn the gas control knob to maximum and then press and hold it down for about 4 to 5 seconds. Release the knob and adjust the flame by turning the knob until it reaches the desired intensity.

### **Warning:**

**Do not activate the electronic ignition for longer than 15 seconds.**

**If it still has not lit after this time, wait for 1 minute before repeating the operation.**

### **Dual Control Wok Burners**

Cooktops fitted with Dual control wok burners have the latest in gas cooking burner technology. Dual control means that the burner can be used for a variety of cooking applications. One control operates the gas flow to the centre burner for simmering and low heat and the other control operates the outer ring for large vessels and woks. The burners operate independently of each other and can be operated separately or in tandem for maximum output.

## USING THE GAS COOKTOP

### **Pan supports (trivets)**

The trivets were designed to make the cooktop easy and safe to use.

We recommend checking their exact position and stability on the cooktop before each use. Furthermore, check that the supporting rubbers are integral and correctly positioned.

### **Small vessel support (Fig. 4 Optional)**

Only use the auxiliary burner ring (the smallest) for vessels with a small diameter to prevent them from tipping and to maximise efficiency.

### **WOK Burner stand (Fig. 5 optional – design may vary to image)**

Only use the wok stand for WOKs (concave bases). In order to avoid serious burner malfunction, we recommend using the wok stand at all times for Woks with curved bases but do not use it for vessels with flat bottoms.

### **Choosing the burner**

Choosing the most adapt burner depends on the vessels' diameter and capacity (see table). It is important that the pan's diameter matches the burner power to maximise efficiency.

<b>Burner</b>	<b>Pan diameter</b>	
	<b>Minimum diameter</b>	<b>Maximum diameter</b>
Auxiliary	60 mm <i>(with reduction)</i>	140 mm
Semi-rapid	160 mm	200 mm
Rapid	200 mm	240 mm
Triple crown wok	240 mm	260 mm
Dual control	240 mm	260 mm



# COOKTOP INSTALLATION INSTRUCTIONS

## **Installation on the kitchen bench**

The cooktop can be installed on materials as long as they are heat-resistant (minimum temperature 100°C). Clearances from combustible surfaces must be 120mm all around to comply with AS5601 regulations.

The size of the hole to be cut into the kitchen bench and the minimum distance between the back, side and overhead walls are shown in figures 7, 8, and 9.

Note that:

1. When the cooktop is installed over a vacant cavity (ie without oven below) a separate panel must be installed beneath the underside of the cooktop base at a distance of at least 10 mm.
2. When the cooktop is installed over an oven a divider panel at a minimum distance of 15mm is required, and following the oven supplier's instructions, maintaining ventilation as specified in fig. 13.
3. The electrical connection of the two appliances must be carried out separately.

## **Fixing the cooktop**

The cooktop is to be fixed to the bench as follows:

1. Place the sealing gasket supplied along the outside edge of the hole cut into the bench so that the ends of the strips are perfectly joined without overlapping.
2. Position the cooktop into the hole in the bench making sure it is centered.
3. Attach the cooktop to the bench with the supplied mounts as shown in fig. 10.
4. When the sealing gasket is correctly installed, it will protect the cooktop from intrusion of liquids.

## **Connection to the mains**

The appliance must be connected to the mains checking that the voltage matches the value shown on the data plate and that the circuit can sustain the load indicated on the data plate. Should the appliance be directly connected to the mains supply, an omni-polar switch, with a minimum opening of 3mm between contacts, of the right size for the load and responding to the relevant standards has to be installed between the appliance and the mains supply.

- **Do not use reducers, adapters or deviators for mains connection as they could overheat and burn.**
- **Earthing the appliance is essential. The manufacturer will not be held responsible for the non-compliant of this requirement.**

If the power supply cable is to be substituted, use a cable with the same characteristics as that supplied, adapted to load and temperature (**type T90°C** ). It is also necessary that the end on the appliance side has a Yellow-Green earth wire 20mm longer than the others. Consult the table below for the power supply cable dimensions

<i>Cooktop type</i>	<i>Dimensions</i>
<i>Only with gas burners</i>	<i>3 X 0,50 mm<sup>2</sup></i>

**The instructions are for a qualified installer.  
The appliance must be installed correctly, conforming to the laws in force.  
Remove the electrical power supply before servicing the appliance.**

## **GAS COOKTOP INSTALLATION**

### ***Connecting the gas***

These technical instructions have been prepared for the use by Authorised persons. The requirements of the local Gas and Electrical authorities must be adhered to, consult AG601/AS5601 as appropriate.

- **Before installation, make sure that the gas type (natural gas and LPG) and the cooktop are compatible. To do this, check the data on the product plate on the cooktop and on this booklet.**
- **Gas inlet fitting is 1/2" BSP (male) thread.**
- **The gas connection is identified in table figure 12.**
- **Fit regulator supplied for natural gas or supplied LPG test point (as applicable)**
- **It is recommended that an isolating valve and union be fitted, to enable simple disconnection for servicing. These are to be in an accessible location.**
- **Check connections are gas tight with soapy water or other approved method**

### ***Flexible Hose Connection***

Install with a hose assembly that complies with AS/NZ1869 (AGA Approved). 10mm ID class Bor D and in accordance with AS5601.

This hose must not exceed 1.2m in length. Ensure that the hose does not contact the hot surfaces of the cooktop or oven or any other appliance that may be installed underneath or adjacent to the cooktop. The hose must not be subject to contact from drawers, abrasion or kinking. All joints must be checked for leakage using soapy water.

### ***Final Check***

Operate the burners on high and low flames and check that each burner ignites properly and has a stable flame. The following may be considered to be abnormal:

- If the burners have yellow tipping
- If the pots are sooting underneath
- If the burners fail to ignite properly
- If the burners fail to remain alight

When satisfied with the operation of the cooktop please explain to the user the correct method of operation.

## CONVERSION TO DIFFERENT TYPES OF GAS

Should the cooktop need to be converted to a gas different to the one it was intended for, the injectors have to be replaced.

The injectors are to be installed according to the table on the underside of the cooktop.

Injectors can be identified by the diameter expressed in hundredths of mm printed on the injector itself.

**Modify the inlet gas supply as required and fit either the Natural gas regulator or LPG test point as appropriate.**

### ***Replacing the injectors***

1. Remove the gas rings and burner caps from the cooktop.
2. Using a face spanner, replace injectors “J” (fig. 14) with those specified for the gas to be used.
3. Reassemble the burners. The burners do not require primary air regulation

### ***Regulating the minimum***

Having replaced the injectors, ignite the burner and remove the control knob. Turn the knob to minimum, insert a screw driver and rotate screw to decrease the flame or unscrew it to increase the flame. (fig. 14)

The result should be a small constant flame which is even all around the burner crown.

Finally, check that the flame does not go off when quickly turning the valve from maximum to minimum. On cooktop fitted with flame failure devices, check that the flame slightly brushes the thermocouple. Check correct regulation by leaving the burner on for a few minutes. If it goes off, increase the minimum.

### **Gas checks and adjustments – Pressure Adjustment**

First shut off the gas to the appliance. Remove the sealing screw from the regulator test point or LPG test point at the rear of the cooker and attach a hose from the manometer to the point.

Turn the gas back and light the largest burner and smallest burner at the maximum setting. Check the pressure and adjust at the regulator if necessary to the settings in the table or on the data plate. For LPG adjust at the regulator at the cylinder. Turn the regulator adjusting screw clockwise to increase the pressure and anti clockwise to reduce the pressure. Refit the test point sealing screw when finished.

## CLEANING

*To maintain the cooktop it needs to be cleaned after each use once it has cooled down.*

***Never remove the knobs from their housing to clean the cooktop.***

### ***Enamel parts***

All enamel parts should only be washed with a sponge and soapy water or other specifically non-abrasive products. **Dry completely.**

### ***Stainless Steel***

The stainless steel plane should be cleaned with a damp cloth or with specific stainless steel cleaning products.

After rinsing, dry with soft cloth. **Avoid spray cleaners directed onto the graphics and take care when wiping not to damage the printed graphics on the cooktop.**

### **Cast Iron Trivets**

Wipe the trivets with a damp cloth once they have cooled. Do not use cleaning agents or harsh detergents to clean and dry carefully to prevent spotting or marking. This is important.

### **Burners**

The burners are made up of two pieces and can be removed and cleaned with suitable products. After cleaning they must be completely dried and replaced exactly into their housings.

- Models with electrical ignition: make sure that electrode “E” (fig. 15) is always clean.
- Models with safety devices: clean probe “T” (fig. 15) so that the safety valve works properly. The electrode and the probe must be cleaned carefully.

Afterwards, replace the burners precisely into their housings.

*To avoid damaging the electric ignition, avoid using it when the burners are not in place.*

### **Ongoing Maintenance**

The cooktop will not need particular maintenance; however we recommend a full check at least once every two years.

Should the control knobs become tight to turn or there is a smell of gas, close the main valve and call for service. The faulty valve may need to be replaced.

## GAS CONSUMPTION AND INJECTOR SIZES

Burner & Model	Natural Gas			LPG		
	Inj Diam	MJ/H	Gas Press	Inj Diam	MJ/H	Gas Press
<b>Dual Wok Burner</b>	0.75   1.20	16.5	1.0	0.49   0.70	15.0	2.75
<b>Large Wok Burner</b>	1.75	14.6	1.0	0.98	13.8	2.75
<b>Wok Burner</b>	1.70	14.0	1.0	0.97	13.0	2.75
<b>Large Burner</b>	1.40	10.0	1.0	0.90	11.0	2.75
<b>Medium Burner</b>	1.10	6.1	1.0	0.69	6.9	2.75
<b>Small Burner</b>	0.90	4.0	1.0	0.53	3.8	2.75
<b>HG6412A (60 cm)</b>	30.8			31.4		
<b>HG7512A (70 cm)</b>	40.2			41.6		
<b>HG9512A (90 cm)</b>	42.7			43.6		

Fig. 1

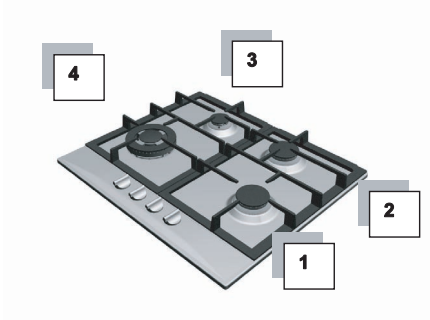
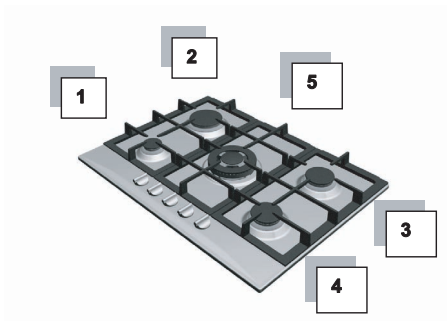
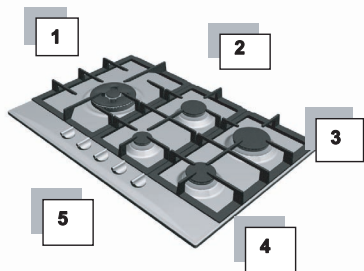


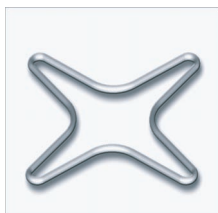
Fig. 2



**Fig. 3**



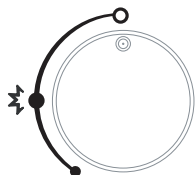
**Fig. 4**



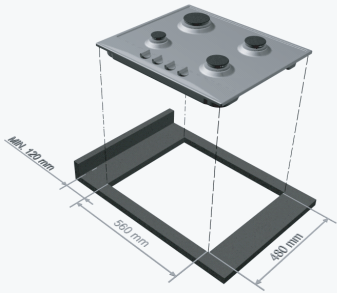
**Fig. 5**



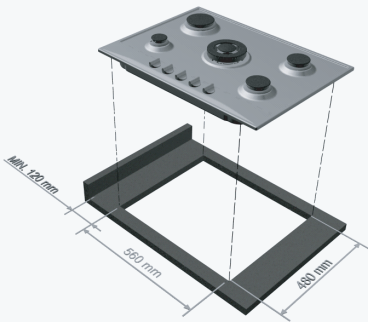
**Fig. 6**



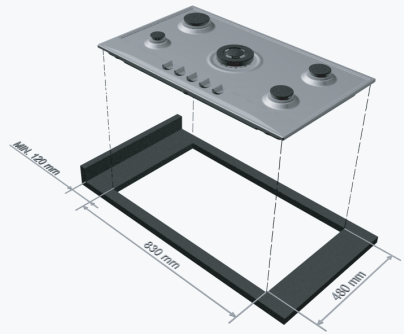
**Fig. 7**



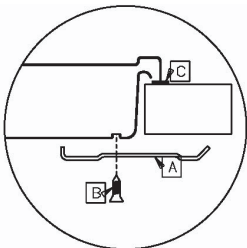
**Fig. 8**



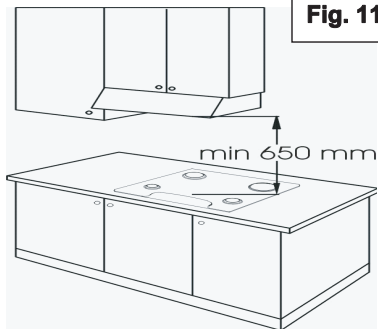
**Fig. 9**

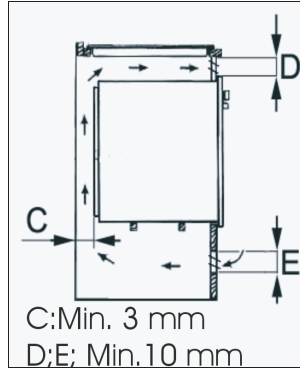
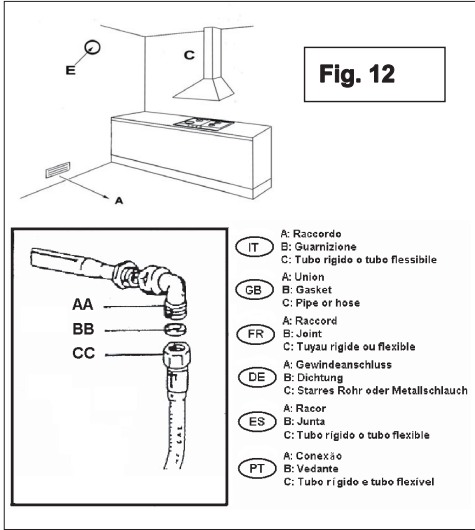


**Fig. 10**



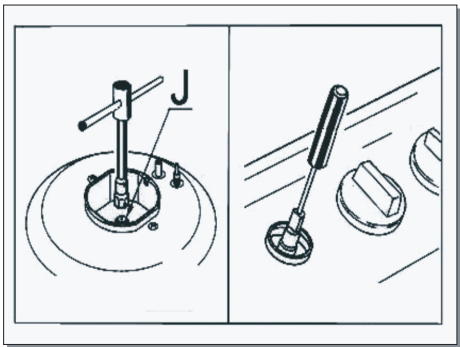
**Fig. 11**



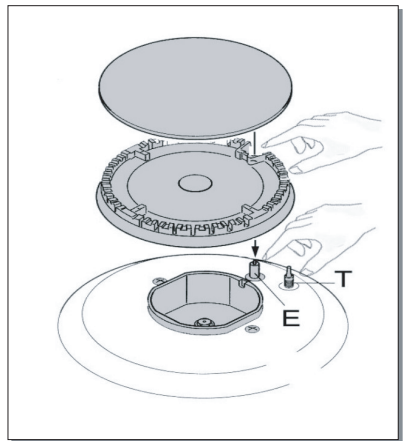


**Fig. 13**

**Fig. 14**




**Fig. 15**







**D** In Übereinstimmung mit den Anforderungen der Europäischen Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte (WEEE) ist vorliegendes Gerät mit einer Markierung versehen. Sie leisten einen positiven Beitrag für den Schutz der Umwelt und die Gesundheit des Menschen, wenn Sie dieses Gerät einer gesonderten Abfallsammlung zuführen. Im unsortierten Siedlungsfall könnte ein solches Gerät durch unsachgemäße Entsorgung negative Konsequenzen nach sich ziehen. Auf dem Produkt oder der beiliegenden Produktdokumentation ist

folgendes Symbol  einer durchgestrichenen Abfalltonne abgebildet. Es weist darauf hin, dass eine Entsorgung im normalen Haushaltsabfall nicht zulässig ist. Entsorgen Sie dieses Produkt im Recyclinghof mit einer getrennten Sammlung für Elektro- und Elektronikgeräte. Die Entsorgung muss gemäß den örtlichen Bestimmungen zur Abfallbeseitigung erfolgen. Bitte wenden Sie sich an die zuständigen Behörden Ihrer Gemeindeverwaltung, an den lokalen Recyclinghof für Haushaltsmüll oder an den Händler, bei dem Sie dieses Gerät erworben haben, um weitere Informationen über Behandlung, Verwertung und Wiederverwendung dieses Produkts zu erhalten.

**GB** This appliance is marked according to the European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE). By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The symbol  on the product, or on the documents accompanying the product, indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. Disposal must be carried out in accordance with local environmental regulations for waste disposal. For more detailed information about treatment, recovery and recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.


**F** Cet appareil porte le symbole du recyclage conformément à la Directive Européenne 2002/96/CE concernant les Déchets d'Équipements Électriques et Électroniques (DEEE ou WEEE). En procédant correctement à la mise au rebut de cet appareil, vous contribuerez à empêcher toute conséquence nuisible pour l'environnement et la santé de l'homme.

Le symbole  présent sur l'appareil ou sur la documentation qui l'accompagne indique que ce produit ne peut en aucun cas être traité comme déchet ménager. Il doit par conséquent être remis à un centre de collecte des déchets chargé du recyclage des équipements électriques et électroniques. Pour la mise au rebut, respectez les normes relatives à l'élimination des déchets en vigueur dans le pays d'installation. Pour obtenir de plus amples détails au sujet du traitement, de la récupération et du recyclage de cet appareil, veuillez vous adresser au bureau compétent de votre commune, à la société de collecte des déchets ou directement à votre revendeur.


**NL** Dit apparaat is voorzien van het merkteken volgens de Europese richtlijn 2002/96/EG inzake Afgedankte elektrische en elektronische apparaten (AEEA). Door ervoor te zorgen dat dit product op de juiste manier als afval wordt verwerkt, helpt u mogelijk negatieve consequenties voor het milieu en de menselijke gezondheid te voorkomen die anders zouden kunnen worden veroorzaakt door onjuiste verwerking van dit product als afval.

Het symbool  op het product of op de bijbehorende documentatie geeft aan dat dit product niet als huishoudelijk afval mag worden behandeld. In plaats daarvan moet het worden afgegeven bij een verzamelpunt voor recycling van elektrische en elektronische apparaten. Afhandeling moet worden uitgevoerd in overeenstemming met de plaatselijke milieuvoorschriften voor afvalverwerking. Voor nadere informatie over de behandeling, terugwinning en recycling van dit product wordt u verzocht contact op te nemen met het stadskantoor in uw woonplaats, uw afvalophalendienst of de winkel waar u het product heeft aangeschaft.


**E** Este aparato lleva el marcado CE en conformidad con la Directiva 2002/96/EC del Parlamento Europeo y del Consejo sobre residuos de aparatos eléctricos y electrónicos (RAEE). La correcta eliminación de este producto evita consecuencias negativas para el medioambiente y la salud.

El símbolo  en el producto o en los documentos que se incluyen con el producto, indica que no se puede tratar como residuo doméstico. Es necesario entregarlo en un punto de recogida para reciclar aparatos eléctricos y electrónicos. Deséchelo con arreglo a las normas medioambientales para eliminación de residuos. Para obtener información más detallada sobre el tratamiento, recuperación y reciclaje de este producto, póngase en contacto con el ayuntamiento, con el servicio de eliminación de residuos urbanos o la tienda donde adquirió el producto.


**P** Este aparelho está classificado de acordo com a Directiva Europeia 2002/96/EC sobre Resíduos de equipamento eléctrico e electrónico (REEE). Ao garantir a eliminação adequada deste produto, estará a ajudar a evitar potenciais consequências negativas para o ambiente e para a saúde pública, que poderiam derivar de um manuseamento de desperdícios inadequado deste produto.

O símbolo  no produto, ou nos documentos que acompanham o produto, indica que este aparelho não pode receber um tratamento semelhante ao de um desperdício doméstico. Pelo contrário, deverá ser depositado no respectivo centro de recolha para a reciclagem de equipamento eléctrico e electrónico. A eliminação deverá ser efectuada em conformidade com as normas ambientais locais para a eliminação de desperdícios. Para obter informações mais detalhadas sobre o tratamento, a recuperação e a reciclagem deste produto, contacte o Departamento na sua localidade, o seu serviço de eliminação de desperdícios domésticos ou a loja onde adquiriu o produto.


**I** Questo apparecchio è contrassegnato in conformità alla Direttiva Europea 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE). Assicurandosi che questo prodotto sia smaltito in modo corretto, l'utente contribuisce a prevenire le potenziali conseguenze negative per l'ambiente e la salute.

Il simbolo  sul prodotto o sulla documentazione di accompagnamento indica che questo prodotto non deve essere trattato come rifiuto domestico ma deve essere consegnato presso l'adeguato punto di raccolta per il riciclaggio di apparecchiature elettriche ed elettroniche. Disfarsene seguendo le normative locali per lo smaltimento dei rifiuti. Per ulteriori informazioni sul trattamento, recupero e riciclaggio di questo prodotto, contattare l'adeguato ufficio locale, il servizio di raccolta dei rifiuti domestici o il negozio presso il quale il prodotto è stato acquistato.

**GR** Αυτή η συσκευή φέρει σήμανση σύμφωνα με την Ευρωπαϊκή οδηγία 2002/96/ΕΕ σχετικά με Απορριπτόμενα ηλεκτρικά και ηλεκτρονικά εξαρτήματα (WEEE). Εξοφελίζοντας ότι το προϊόν αυτό απορριπτείται ουσιά, θα βοηθήσει στην πρόληψη πιθανών αρνητικών επιπτώσεων για το περιβάλλον και την ανθρώπινη υγεία, οι οποίες θα μπορούσαν να δημιουργηθούν από τον ακατάλληλο χειρισμό αυτού του προϊόντος ως απόρριμμα.

Το σύμβολο  πάνω στο προϊόν, ή στα έγγραφα που συνοδεύουν το προϊόν, υποδεικνύει ότι αυτή η συσκευή δεν μπορεί να θεωρηθεί οικιακό απόρριμμα. Αντί η αυτό θα πρέπει να παραδοθεί στο κατάλληλο σημείο περισυλλογής για την ανακύκλωση των ηλεκτρικών και ηλεκτρονικών εξαρτημάτων. Διαλύστε το προϊόν ως την τοπική νομοθεσία για τη διάθεση των απορριμμάτων. Για πιο λεπτομερείς πληροφορίες σχετικά με την επεξεργασία, την περιουλολη και την ανακύκλωση αυτού του προϊόντος, παρακαλούμε επικοινωνήστε με το αρμόδιο γραφείο της τοπικής σας αυτοδιοίκησης, την τοπική σας υπηρεσία αποκομιδής οικιακών απορριμμάτων ή το κατάστημα όπου αγοράσατε αυτό το προϊόν.

**S** Denna produkt är märkt enligt EG-direktiv 2002/96/EEC beträffande elektriskt och elektroniskt avfall (Waste Electrical and Electronic Equipment, WEEE). Genom att säkerställa en korrekt kassering av denna produkt bidrar du till att förhindra potentiella, negativa konsekvenser för vår miljö och vår hälsa, som annars kan bli följden om produkten inte hanteras på rätt sätt.

Symbolen  på produkten, eller i medföljande dokumentation, indikerar att denna produkt inte får behandlas som vanligt hushållsavfall. Den skall i stället levereras in på en lämplig uppsamlingsplats för återvinning av elektriskt och elektroniskt utrustning. Produkten måste kasseras enligt lokala miljöbestämmelser för avfallshantering. För mer information om hantering, återvinning och återanvändning av denna produkt, var god kontakta de lokala myndigheterna, ortens sophanteringsstjänst eller butiken där produkten inhandlades.





