

EasyControl
Art. 1881



DE

EN

FR

NL

IT

ES

PT

SL

DE Betriebsanleitung

Bewässerungscomputer

EN Operation Instructions

Water Computer

FR Mode d'emploi

Programmateur d'arrosage

NL Gebruiksaanwijzing

Besproeiingscomputer

IT Istruzioni per l'uso

Computer per irrigazione

ES Instrucciones de empleo

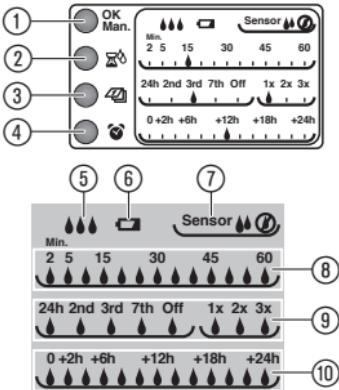
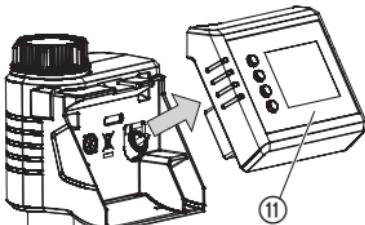
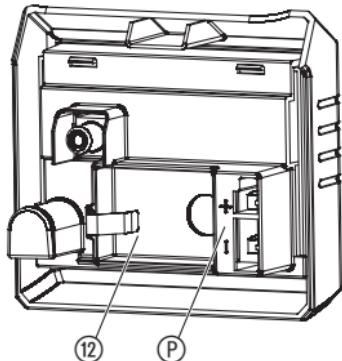
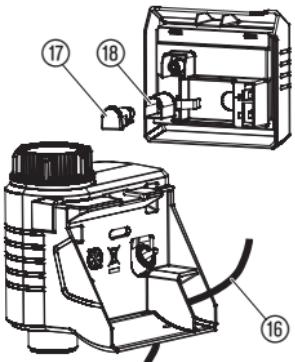
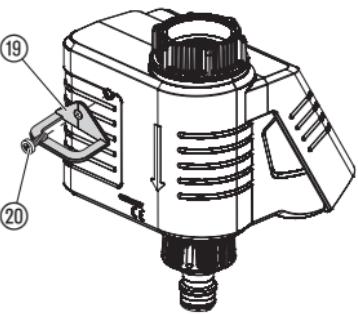
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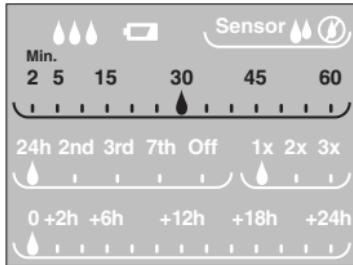
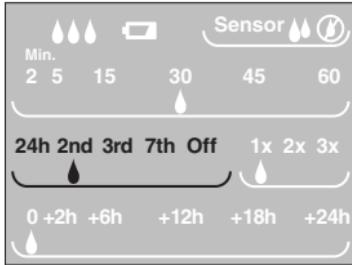
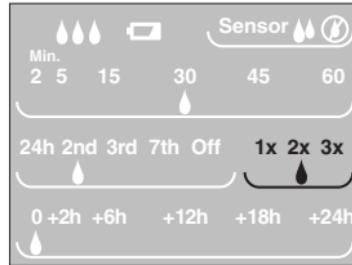
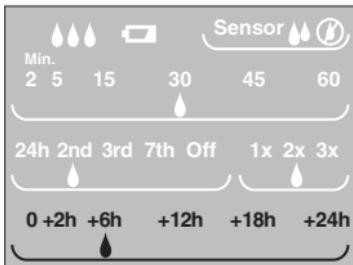
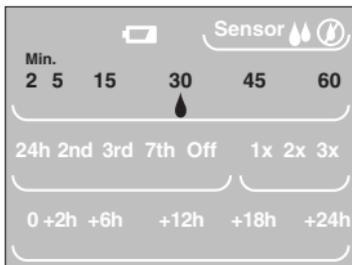
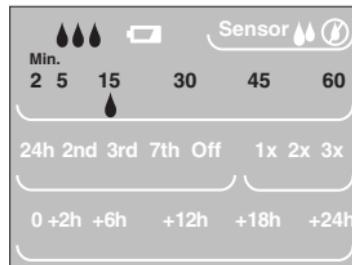
PT Manual de instruções

Computador de rega

SL Navodilo za uporabo

Namakanalnega računalnika

F1/F2**I1****I2****I3/M1****I4****I5**

P1**P2****P3****P4****P5****P6**

GARDENA Water Computer EasyControl

EN

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Original instructions.



For safety reasons, children and young people under 16 as well as anyone who is not familiar with these operating instructions should not use the product. Persons with reduced

physical or mental abilities may use the product only if they are supervised or instructed by a responsible person. Children must be supervised to ensure that they do not play with the product. Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.

Intended use:

The GARDENA Water Computer is intended for private use in domestic and hobby gardens, exclusively for outdoor use, to control sprinklers and watering systems. The Water Computer can be used for automatic watering during holidays.

DANGER! The GARDENA Water Computer must not be used for industrial purposes or in conjunction with chemicals, foodstuffs, easily flammable and explosive materials.

1. SAFETY

Battery:

To ensure the Water Computer runs safely, only a 9V alkaline manganese battery (alkaline) type IEC 6LR61 must be used!

In order to stop the Water Computer from failing because of a weak battery if you are away for a long time, the battery must be replaced when the battery symbol flashes.

Setting up:

The Water Computer may only be set up vertically with the sleeve nut to the top to prevent water penetrating into the battery compartment.

The minimum water output to ensure that the Water Computer functions correctly is 20 - 30 l/h. For example, at least 10 x 2-litre Drip Heads are required to control the Micro-Drip-System.

At high temperatures (over 60 °C at the display) the LCD display may extinguish. This does not affect the program in any way. When the computer cools down the LCD display illuminates again.

The max. temperature for the water flow is 40 °C.

→ Only use clear fresh water.

The minimum operating pressure is 0.5 bar, the maximum operating pressure is 12 bar.

Avoid tensile strain.

→ Do not pull the hose connected to the Water Computer.

Do not pull the hose connected to the Water Computer.

DANGER!

This product makes an electromagnetic field while it operates. This field may under some conditions interfere with active or passive medical implants.

To decrease the risk of conditions that can possibly injure or kill, we recommend persons with medical implants to speak with their physician and the medical implant manufacturer before you operate the product.

DANGER!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

2. FUNKTION

With the Water Computer, the garden can be watered fully automatically up to 3 times a day at any time of day (every 8 hours). Sprinklers, a sprinkler system or a drip head watering system can be used for watering.

The Water Computer carries out watering fully automatically according to the set program and can therefore also be used during holidays. Early in the morning or late in the evening, evaporation and therefore water consumption is lowest.

The watering programme is easily entered using the controls.

A watering program comprises the watering duration, cycle and start time.

Controls [Fig. F1]:

Buttons	Function
① OK-button /	Applies the values set with the  -  -buttons.
Man.-button	For switching the water throughput on or off manually.
②  -button	Changes the watering duration.
③  -button	Adjusts the watering cycle.
④  -button	Delays the watering start time.

Display [Fig. F2]:

Display	Description
⑤  	Flash consecutively whilst watering is carried out.
⑥ 	Flashes when the battery needs to be replaced. The valve is still opened for 4 weeks. Is continuously displayed when the battery is empty. The valve is not opened any more.

Display	Description
⑦  /	Replace battery (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION Computer into Operation " Insert battery ").
Sensor 	Indicates that the sensor registers dry and the programmed watering is carried out.
Sensor 	Indicates that the sensor registers wet and the programmed watering is not carried out (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION " Connect soil moisture or rain sensor ").
⑧	Watering duration ( flashes when in input mode).
⑨	Watering cycle ( flashes when in input mode).
⑩	Start time delay ( flashes when in input mode). Displays the remaining time until the program start.

3. PUTTING YOUR WATER COMPUTER INTO OPERATION

Insert battery [Fig. I1/I2]:

The Water Computer must only be operated with a 9 V alkalinanganese (alkaline) battery type IEC 6LR61.

1. Remove controller ⑪ from the housing of the Water Computer.
2. Insert battery in the battery compartment ⑫. Observe correct polarity ⑭.
The display shows all LCD symbols for 2 seconds and then the  symbol for watering duration flashes (see 4. PROGRAMMING).
3. Install controller ⑪ on the housing again.

Connect Water Computer [Fig. I3/M1]:

The Water Computer is fitted with a sleeve nut ⑮ for taps with (G 1") (33.3 mm) thread. The adaptor supplied ⑯ allows the Water Computer to be connected to taps with a (G ¾") thread (26.5 mm).

- Insert the filter ⑭ into the sleeve nut ⑮ and connect the water computer to the tap.

Connect soil moisture or rain sensor (optional) [Fig. I4]:

Apart from scheduled watering there is also the

option of including how damp the soil is or rainfall into the watering programme.

Note: If the soil is damp enough, the programme will be stopped, or a programme will be prevented from starting. Manual operation is possible at all times.

1. Remove controller ⑪ from the housing of the Water Computer (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION "**Insert battery**").
2. Place soil moisture sensor **in** the watered area – **or –** place rain sensor (with extension cable if necessary) **outside** the watered area.
3. Run the sensor cable ⑯ through the opening of the housing.
4. Disconnect the cover ⑰ and insert the sensor cable ⑯ plug into the sensor connection ⑱ of the water computer.
It can take up to 1 min. until the status of the sensor is shown on the display.

An adapter cable may be required to connect older sensors, which can be purchased from GARDENA Service, **GARDENA Adapter cable Art. No. 1189-00.600.45.**

Fit anti-theft device (optional) [Fig. I5]:

To secure your Water Computer against theft, you can obtain the **GARDENA Anti-theft device Art. No. 1815-00.791.00** from GARDENA Service.

1. Tightly screw the clamp ⑯ complete with the screw ⑰ into the circular groove on the rear of the water computer.

2. Use clamp ⑯ e.g. for fixing a chain.

It is no longer possible to remove the screw after it has been screwed in.

4. PROGRAMMING

Tip:

→ Program the Water Computer with the tap turned off. In this way you can avoid getting wet.

Enter watering program:

To set the programme, the controller can be removed and mobile programming can be carried out (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Insert battery**”).

After the battery has been inserted, all program steps are automatically selected consecutively until a complete watering program has been entered.

If no program has been entered for 10 min., the watering cycle switches to „**Off**“.

Set watering duration [Fig. P1]:

The watering duration can be set between **2** to **60** minutes (at 5 minute intervals).

1. Press  button.

The  symbol flashes under the current watering duration.

2. Press  button until the desired watering duration is set (example: **30** minutes).

3. Press **OK** button.

The watering duration is stored.

Setting the watering cycle (day / frequency) [Fig. P2/P3]:

The watering days can be set to between daily (**24h**) and every 7 days (**7th**) and the watering frequency can be set to **1x** (every 24 hours), **2x** (every 12 hours) or **3x** (every 8 hours) respectively on the watering day.

The watering program is not carried out when the knob is set to **Off**.

1. Press  button.

The  symbol flashes under the current watering days.

2. Keep pressing the  button until the desired watering days have been set (example: **2nd** = every other day).

3. Press **OK** button.

The  symbol flashes under the current watering frequency.

4. Press  button until the required watering frequency is set (example: **2nd** = twice in 24 hours).
5. Press **OK** button.

The watering cycle is stored.

Setting the start time delay [Fig. P4]:

The start time can be delayed for up to 24 hours (the watering is carried out respectively at a later time). At the start time **0** watering is carried out immediately (the valve opens immediately).

1. Press  button.

The  symbol flashes under the current delay duration.

2. Press  button until the desired delay duration is set (example: **+6h** = Watering 6 hours later).

3. Press **OK** button.

The delay duration is stored.

Important information:

If the watering days are set to **Off**, the watering program is deactivated and neither the watering duration nor the start time delay can be modified. However, manual watering is still possible.

In order to reactivate, select watering days that are not set to **Off**.

Manual watering [Fig. P5/P6]:

The valve can be **opened or closed manually at any time**. A program-controlled open valve can also be closed early without changing the program data (Watering duration, cycle and start time). The controller must be fitted.

1. Press **Man.** button.

The  symbol flashes under the current watering duration (preset to 30 minutes at the factory) for 10 seconds on the display.

2. Whilst the water duration is flashing, it can be modified with the  button (between **2** and **60** minutes) (example: **15** minutes) and confirmed with the **OK** button.

The valve is opened.

3. Press **Man.** button to close the valve early.

The valve is closed.

The adjusted manual watering duration is saved and is independent from the watering duration in the program, i.e. the adjusted watering duration is preset for each future manual valve opening.

If the valve has been opened manually and a programmed start of watering period overlaps the manual opening period, the programmed start time is suppressed.

Example: The valve is **opened at 9.00 a.m. manually**, the opening period is 15 minutes. A program with a **start time between 9.00 and 9.15 a.m.** will not be executed in this case.

5. STORAGE

To put into storage/Overwintering:

1. To preserve the battery, it should be removed (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION).

When the battery is inserted again in spring, the watering program must be newly entered again.

2. Store controller and valve unit in a dry place where they are protected from frost.



Important! Dispose of the product through or via your municipal recycling collection centre.

Disposing of flat batteries:

→ Please return flat batteries to a GARDENA dealer or dispose of them properly at your nearest recycling centre.

Only dispose of batteries when they are **flat**.

Disposal:

(in accordance with RL2012/19/EC)

The product must not be disposed of to normal household waste. It must be disposed of in line with local environmental regulations.



6. MAINTENANCE

Clean filter [Fig. I3/M1]:

The filter ⑯ should be checked regularly and cleaned when necessary.

1. Unscrew sleeve nut ⑮ of the Water Computer by hand from the tap thread (do not use pliers).

2. If necessary unscrew the adaptor ⑯.
3. Remove filter ⑯ from sleeve nut ⑮ and clean.
4. Fit the Water Computer again (see 3. PUTTING YOUR WATER COMPUTER INTO OPERATION “**Connecting Water Computer**”).

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7. TROUBLESHOOTING

Problem	Possible Cause	Remedy
No display appears	Battery inserted incorrectly.	→ Check polarity markings match (+/-).
	Flat battery.	→ Insert new (alkaline) battery.
	Temperature on the display is higher than 60 °C.	→ Display appears after temperature has dropped.
Manual watering is not possible using the Man. button	Battery flat (is continuously displayed).	→ Insert new (alkaline) battery.
	Tap turned off.	→ Turn tap on.
	Controller is not connected.	→ Mount controller on housing.
Watering program is not being undertaken (no watering)	Program entry/ modification during or just before the start pulse.	→ Make program entry/ modification outside the programmed start times.
	Valve was opened manually previously.	→ Avoid possible program overlaps.

Problem	Possible Cause	Remedy
Watering program is not being undertaken (no watering)	Tap turned off	→ Turn tap on.
	Soil moisture or rain sensor registers damp.	→ If dry, check setting/location of soil moisture/ rain sensor.
	Controller is not connected.	→ Mount controller on housing.
	Battery flat ( is continuously displayed).	→ Insert new (alkaline) battery.
Water Computer does not close	Minimum quantity of water drawn is less than 20 l/h.	→ Connect more drip heads.



NOTE: For any other malfunctions please contact the GARDENA service department. Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

8. ACCESSORIES

GARDENA Soil Moisture Sensor		Art. 1188
GARDENA Rain Sensor electronic		Art. 1189
GARDENA Anti-theft device		Art. 1815-00.791.00 From GARDENA Service
GARDENA Adapter cable	To connect older GARDENA sensors.	Art. 1189-00.600.45 From GARDENA Service
GARDENA Cable Adapter	For simultaneous connection of rain and soil moisture sensor.	Art. 1189-00.630.00 From GARDENA Service

9. TECHNICAL DATA

	Unit	Value (Art. 1881)
Min./max. operating pressure	bar	0,5/12
Operating temperature range	°C	5 to 50
Flow medium		Clear fresh water
Max. liquid temperature	°C	40
Number of program-controlled watering cycles per day		3 x (every 8 hrs.), 2 x (every 12 hrs.), 1 x (every 24 hrs.)
Number of program-controlled watering cycles per week		Every day, every 2, 3 or 7 days
Watering duration		2 min. to 60 min. (at 5 minute intervals)
Battery required		1 × 9V alkaline manganese (alkaline) battery type IEC 6LR61
Operating time of the battery		approx. 1 year

10. SERVICE / WARRANTY

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Service:

Please contact the address on the back page.

Warranty:

In the event of a warranty claim, no charge is levied to you for the services provided.

GARDENA Manufacturing GmbH offers a two-year warranty (effective as of the date of purchase) for this product. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product was used for its intended purpose as per the recommendations in the operating instructions.
- Neither the purchaser nor a third party has attempted to repair the product.

This manufacturer's warranty does not affect warranty entitlements against the dealer/ retailer.

If problems arise with this product, please contact our Service department or send the defective product along with a brief description of the fault to GARDENA Manufacturing GmbH, making sure to have sufficiently covered any shipping costs and to have followed the relevant postage and packaging guidelines. A warranty claim must be accompanied by a copy of the proof of purchase.

Consumables:

Faults which occur as a result of incorrectly installed or leaking batteries are not covered by the guarantee.

Damage caused by frost is not covered by the warranty.

<p>DE Produkthaftung</p> <p>Wir weisen ausdrücklich darauf hin, dass wir in Übereinstimmung mit dem Produkthaftungsgesetz nicht für Schäden haften, die durch unsere Produkte entstehen, wenn diese unsachgemäß und nicht durch einen von uns autorisierten Servicepartner repariert wurden oder wenn keine Original GARDENA Teile oder von uns zugelassene Teile verwendet wurden.</p>	<p>IT Responsabilità del prodotto</p> <p>In conformità con la Legge tedesca sulla responsabilità del prodotto, con la presente dichiariamo espressamente che decliniamo qualsiasi responsabilità per danni causati dai nostri prodotti qualora non siano stati correttamente riparati presso un partner di assistenza approvato GARDENA o laddove non siano stati utilizzati ricambi originali o autorizzati GARDENA.</p>
<p>EN Product liability</p> <p>In accordance with the German Product Liability Act, we hereby expressly declare that we accept no liability for damage incurred from our products where said products have not been properly repaired by a GARDENA-approved service partner or where original GARDENA parts or parts authorised by GARDENA were not used.</p>	<p>ES Responsabilidad sobre el producto</p> <p>De acuerdo con la Ley de responsabilidad sobre productos alemana, por la presente declaramos expresamente que no aceptamos ningún tipo de responsabilidad por los daños ocasionados por nuestros productos si dichos productos no han sido reparados por un socio de mantenimiento aprobado por GARDENA o si no se han utilizado piezas originales GARDENA o piezas autorizadas por GARDENA.</p>
<p>FR Responsabilité</p> <p>Conformément à la loi relative à la responsabilité du fait des produits défectueux, nous déclarons expressément par la présente que nous déclinons toute responsabilité pour les dommages résultant de nos produits, si lesdits produits n'ont pas été correctement réparés par un partenaire d'entretien agréé GARDENA ou si des pièces d'origine GARDENA ou des pièces agréées GARDENA n'ont pas été utilisées.</p>	<p>PT Responsabilidade pelo produto</p> <p>De acordo com a lei alemã de responsabilidade pelo produto, declaramos que não nos responsabilizamos por danos causados pelos nossos produtos, caso os tais produtos não tenham sido devidamente reparados por um parceiro de assistência GARDENA aprovado ou se não tiverem sido utilizadas peças GARDENA originais ou peças autorizadas pela GARDENA.</p>
<p>NL Productaansprakelijkheid</p> <p>Conform de Duitse wet inzake productaansprakelijkheid verklaren wij hierbij uitdrukkelijk dat wij geen aansprakelijkheid aanvaarden voor schade ontstaan uit onze producten waarbij deze producten niet zijn gerepareerd door een GARDENA-erkende servicepartner of waarbij geen originele GARDENA-onderdelen of onderdelen die door GARDENA zijn goedgekeurd zijn gebruikt.</p>	<p>SL Odgovornost proizvajalca</p> <p>V skladu z nemškimi zakoni o odgovornosti za izdelke,izrecno izjavljajo, da ne sprejemamo nobene odgovornosti za škodo, ki jo povzročijo naši izdelki, če teh niso ustrezeno popravili GARDENINI odobreni servisni partnerji ali pri tem niso bili uporabljeni originalni GARDENINI nadomestni deli ali GARDENINIMI homologirani nadomestni deli.</p>

<p>DE EU-Konformitätserklärung Der Unterzeichner, Husqvarna AB, 561 82 Huskvarna, Schweden, bescheinigt hiermit, dass die nachstehend aufgeführten Geräte bei Verlassen des Werks die harmonisierten EU-Leitlinien, EU-Normen für Sicherheit und besondere Normen erfüllen. Dieses Zertifikat verliert seine Gültigkeit, wenn die Geräte ohne unsere Genehmigung verändert werden.</p>	<p>IT Dichiarazione di conformità CE La sottoscritta Husqvarna AB, 561 82 Huskvarna, Svezia, certifica che il prodotto qui di seguito indicato, nei modelli da noi commercializzati, è conforme alle direttive armonizzate UE nonché agli standard di sicurezza UE e agli standard specifici di prodotto. Qualunque modifica apportata al prodotto senza nostra specifica autorizzazione invalida la presente dichiarazione.</p>
<p>EN EC Declaration of Conformity The undersigned, Husqvarna AB, 561 82 Huskvarna, Sweden, hereby certifies that, when leaving our factory, the units indicated below are in accordance with the harmonised EU guidelines, EU standards of safety and product specific standards. This certificate becomes void if the units are modified without our approval.</p>	<p>ES Declaración de conformidad CE El abajo firmante, Husqvarna AB, 561 82 Huskvarna, Suecia, certifica por la presente que, cuando salen de la fábrica, las unidades indicadas a continuación cumplen las normas de armonización de la UE, las normas de la UE sobre seguridad y las normas específicas del producto. Este certificado quedará sin efecto si se modifican las unidades sin nuestra autorización.</p>
<p>FR Déclaration de conformité CE Le constructeur, soussigné : Husqvarna AB, 561 82 Huskvarna, Suède, déclare qu'à la sortie de ses usines le matériel neuf désigné ci-dessous était conforme aux prescriptions des directives européennes énoncées ci-après et conforme aux règles de sécurité et autres règles qui lui sont applicables dans le cadre de l'Union européenne. Toute modification apportée à cet appareil sans notre accord annule la validité de ce certificat.</p>	<p>PT Declaração de conformidade CE O abaixo-assinado, Husqvarna AB, 561 82 Huskvarna, Suécia, certifica por este meio que, ao sair da nossa fábrica, as unidades indicadas acima estão em conformidade com as diretrizes uniformizadas da UE, os padrões de segurança da UE e os padrões específicos do produto. Este certificado deixa de ser válido se as unidades forem modificadas sem a nossa aprovação.</p>
<p>NL EG-conformiteitsverklaring De ondergetekende, Husqvarna AB, 561 82 Huskvarna, Zweden, verklaart hierbij dat de producten die hieronder staan vermeld, wanneer ze onze fabriek verlaten, in overeenstemming zijn met de geharmoniseerde Europese richtlijnen, EU-normen voor veiligheid en productspecifieke normen. Dit certificaat vervalt als de producten worden aangepast zonder onze toestemming.</p>	<p>SL Izjava ES o skladnosti Spodaj podpisana, Husqvarna AB, 561 82 Huskvarna, Švedska, s to izjavo potrjuje, da je bila spodaj navedena enota ob izhodu iz tovarne skladna z usklajenimi smernicami EU, standardi EU za varnost in standardi, specifičnimi za izdelek. Izjava postane neveljavna v primeru neodobrene spremembe enote.</p>

Produktbezeichnung: Description of the product: Désignation du produit : Beschrijving van het product: Descrizione del prodotto: Descripción del producto: Descrição do produto: Opis izdelka:	Bewässerungscomputer Water Computer Programmateur d'arrosage Besproeiingscomputer Computer per irrigazione Programador de riego Computador de rega Namakanega računalnika	Anbringungsjahr der CE-Kennzeichnung: Year of CE marking: Année d'apposition du marquage CE : Installatiejaar van de CE-aanduiding: Anno di applicazione della certificazione CE: Colocación del distintivo CE: Ano de marcação pela CE: Leto namestive CE-oznake:
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Deutschland / Germany GARDENA Manufacturing GmbH Central Service Hans-Lorenser-Straße 40 D-89079 Ulm Produktfragen: (+49) 731 490-123 Reparaturen: (+49) 731 490-290 service@gardena.com	Belgium Husqvarna België nv/sa Gardenia Division Rue Egide Van Ophem 111 1180 Uccle/Ukkel Tel.: (+32) 2 720 92 12 Mail: info@gardena.be	China Husqvarna (Shanghai) Management Co., Ltd. 富世华（上海）管理有限公司 3F, Beng Square B, No207, Song Hong Rd., Chang Ning District, Shanghai, PRC. 200335 上海市长宁区淞虹路207号明 基广场B座3楼, 邮编: 200335	Denmark GARDENA DANMARK Lejrevej 19, st. 3500 Værløse Tlf.: (+45) 70 26 47 70 husqvarna@husqvarna.dk www.gardena.com / dk	Georgia ALD Group Belashvili 8 1159 Tbilisi
Albania COBALT Sh.p.k. Rr. Siri Kodra 1000 Tirana	Bosnia / Herzegovina SILK TRADE d.o.o. Industrijska zona Bukva bb 74260 Tešanj	Colombia Husqvarna Colombia S.A. Av. Francisco Matarazzo, 1400 – 19º andar São Paulo – SP CEP: 05001-903 Tel: 0800-112252 marketing.br.husqvarna@ husqvarna.com.br	Dominican Republic BOSQUESA, S.R.L Carretera Santiago Licey Km. 5 ½ Esquina Copal II. Santiago Dominican Republic Phone: (+809) 736-0333 joserbosquesa@claro.net.do	Great Britain Husqvarna UK Ltd Preston Road Aycliffe Industrial Park Newton Aycliffe County Durham DL5 6UP info.gardena@husqvarna.co.uk
Argentina Husqvarna Argentina S.A. Av.del Libertador 5954 – Piso 11 – Torre B (C1428ARP) Buenos Aires Phone: (+54) 11 5194 5000 info.gardena@ar.husqvarna.com	Brazil Husqvarna do Brasil Ltda Av. Francisco Matarazzo, 1400 – 19º andar São Paulo – SP CEP: 05001-903 Tel: 0800-112252 marketing.br.husqvarna@ husqvarna.com.br	Costa Rica Compania Exim Euroberoamericana S.A. Los Colegios, Moravia, 200 metros al Sur del Colegio Saint Francis – San José Phone: (+506) 297 68 83 exim_euro@racsca.co.cr	Ecuador Husqvarna Ecuador S.A. Arupos E1-181 y 10 de Agosto Quito, Pichincha Tel. (+593) 22800739 francisco.jacome@ husqvarna.com.ec	Greece Π.ΠΑΠΑΔΟΠΟΥΛΟΣ ΑΕΒΕ Λεωφ. Αθηνών 92 Αθήνα Τ.Κ.104 42 Ελλάδα Τηλ. (+30) 210 5193 100 info@papadopoulos.com.gr
Armenia Garden Land Ltd. 61 Tigran Mets 0005 Yerevan	Bulgaria AGROLAND България АД, бул. 8 Декември, № 13 Офис 5 1700 Студентски град София Tel.: (+359) 24 66 6910 info@agroland.eu	Croatia SILK ADRIA d.o.o. Josipa Lončara 3 10090 Zagreb Phone: (+385) 1 3794 580 silk.adria@zg.t-com.hr	Estonia Husqvarna Eesti OÜ Gardena Division Valdeku 132 Tallinn 11216, Estonia info@gardena.ee	Hungary Husqvarna Magyarország Kft. Ezred u. 1-3 1044 Budapest Telefon: (+36) 1 251-4161 vevoszolglat.husqvarna@husqvarna.hu
Australia Husqvarna Australia Pty. Ltd. Locked Bag 5 Central Coast BC NSW 2252 Phone: (+ 61) (0) 2 4352 7400 customer.service@ husqvarna.com.au	Canada / USA GARDENA Canada Ltd. 100 Summerlea Road Brampton, Ontario L6T 4X3 Phone: (+1) 905 792 93 30 info@gardenacanada.com	Cyprus Med Marketing 17 Digeni Akrita Ave P.O. Box 27017 1641 Nicosia	Iceland Husqvarna Ab Gardena Division Lautarhankatu 8 B / PL 3 00581 HELSINKI info@gardena.fi	Ireland Husqvarna UK Ltd Preston Road Aycliffe Industrial Park Newton Aycliffe County Durham DL5 6UP info.gardena@husqvarna.co.uk
Austria / Österreich Husqvarna Austria GmbH Industriezeile 36 4010 Linz Tel. : (+43) 732 77 01 01-485 service.gardena@ husqvarnagroup.com	Chile Maquinarias Agroforestales Ltda. (Maga Ltda.) Santiago, Chile Avda. Chesterton # 8355 comuna Las Condes Phone: (+56) 2 202 4417 Dalton@maga.cl Zipcode: 7560330	Czech Republic Husqvarna Česká s.r.o. Tříkova 2319/5b 149 00 Praha 4 – Chodov Bezplatná infoline : 800 100 425 servis.cz.husqvarna.com	France Husqvarna France 9/11 Allée des pierres mayettes 92635 Gennevilliers Cedex France http://www.gardena.com/fr N° AZUR: 0 810 00 78 23 (Prix d'un appel local)	Italy Husqvarna Italia S.p.A. Via Santa Vecchia 15 23868 VALMADREIRA (LC) Phone: (+39) 0341.203.111 assistenza.italia@it.husqvarna.com
Azerbaijan Firm Progress a. Aliyev Str. 26A 1052 Baku				

Japan
KAKUCHI Co. Ltd.
Sumitomo Realty &
Development Kojimachi
BLDG., 8F
5 - 1 Nibancyo
Chiyoda-ku
Tokyo 102-0084
Phone: (+81) 33 264 4721
m_ishihara@kaku-ichi.co.jp

Kazakhstan
LAMED Ltd.
155/1, Tazhibayevi Str.
050060 Almaty
IP Schmidt
Abayavenue 3B
110 005 Kostanay

Korea
Kyung Jin Trading CO., LTD.
107-4, SunDuk Bld.,
Yang.lae-dong,
Seocho-gu,
Seoul, (zipcode: 137-891)
Phone: (+82) (0)2 574-6300

Kyrgyzstan
Alye Maki
av. Moladaya Guardir J 3
720014
Bishkek

Latvia
Husqvarna Latvija SIA
Gardena Division
Ulbrokas 19A
LV-1021 Riga
info@gardena.lv

Lithuania
UAB Husqvarna Lietuva
Gardena Division
Ateities pl. 77C
LT-52104 Kaunas
info@gardena.lt

Luxembourg
Magasins Jules Neuberg
39, rue Jacques Stas
Luxembourg-Gasperich 2549
Case Postale No. 12
Luxembourg 2010
Phone: (+352) 40 14 01
api@neuberg.lu

Mexico
AFOSA
Av. Lopez Mateos Sur # 5019
Col. La Calma 45070
Zapopan, Jalisco, Mexico
Phone: (+52) 33 3818-3434
icornejo@afosa.com.mx

Moldova
Convel S.R.L.
290A Muncesti Str.
2002 Chisinau

Netherlands
Husqvarna Nederland B.V.
GARDENA Division
Postbus 50131
1305 AC ALMERE
Phone: (+31) 36 521 00 10
info@gardena.nl

Neth. Antilles
Jonka Enterprises N.V.
Sta. Rosa Weg 196
P.O. Box 8200
Curaçao
Phone: (+599) 9 767 66 55
pgm@jonka.com

New Zealand
Husqvarna New Zealand Ltd.
PO Box 76-437
Manukau City 2241
Phone: (+64) (0) 9 9202410
support.nz@husqvarna.co.nz

Norway
Husqvarna Norge AS
Gardena Division
Treskenveien 36
1708 Sarpsborg
Tel: 69 10 47 00
www.gardena.no

Peru
Husqvarna Perú S.A.
Jr. Ramón Cárcamo 710
Lima 1
Tel: (+51) 1 3320400 ext. 416
juan.remuzgo@husqvarna.com

Poland
Husqvarna
Poland Spółka z o.o.
ul. Wysockiego 15 b
03-371 Warsawza
Phone: (+48) 22 330 96 00
gardena@husqvarna.com.pl

Portugal
Husqvarna Portugal, SA
Lagoa - Albarraque
2635 - 595 Rio de Mouro
Tel.: (+351) 21 922 85 30
Fax: (+351) 21 922 85 36
info@gardena.pt

Romania
Madex International Srl
Soseaua Odaili 117 - 123,
RO 013603 Bucuresti, S1
Phone: (+40) 21 352.76.03
madex@ines.ro

Russia / Россия
ООО „Хускварна“
141400, Московская обл.,
г. Химки,
улица Ленинградская,
владение 39, стр.6
Бизнес Центр
„Химки Бизнес Парк“,
помещение ОВ02_04
<http://www.gardena.ru>

Serbia
Domel d.o.o.
Autoput za Novi Sad bb
11273 Belgrade
Phone: (+381) 11 848 88 12
miroslav.jejina@domel.rs

Singapore
Hy-Ray PRIVATE LIMITED
40 Jalan Pemimpin
#02-08 Tat Ann Building
Singapore 577185
Phone: (+65) 6253 2277
shiyang@hyray.com.sg

Slovak Republic
Husqvarna Česko s.r.o.
Túrkova 19/5b
149 00 Praha 4 – Chodov
Bezplatná infoline:
800 154 044
servis@sk.husqvarna.com

Slovenia
Husqvarna Austria GmbH
Industriestraße 36
4010 Linz
Tel.: (+43) 732 77 01 01-485
service.gardena@
husqvarnagroup.com

South Africa
Husqvarna
South Africa (Pty) Ltd
Postnet Suite 250
Private Bag X6,
Cascades, 3202
South Africa
Phone: (+27) 33 846 9700
info@gardena.co.za

Spain
Husqvarna España S.A.
Calle de Rivas nº 10
28052 Madrid
Phone: (+34) 91 708 05 00
atencioncliente@gardena.es

Suriname
Agrofix n.v.
Verlengde Hogestraat #22
Phone: (+597) 472426
agrofix@srt.net
Pobox : 2006
Paramaribo
Suriname – South America

Sweden
Husqvarna AB
Gardena Division
S-561 82 Huskvarna
info@gardena.se

Switzerland / Schweiz
Husqvarna Schweiz AG
Consumer Products
Industriestrasse 10
5506 Mägenwil
Phone: (+ 41) (0) 62 887 37 90
info@gardena.ch

Turkey
Dost Bahce Dis Ticaret
Mümessilik A.S
Yunus Mah. Adil Sok. No: 3
İc Kapi No: 1 Kartal
34873 İstanbul
Phone: (+90) 216 38 93 939
info@dostbahce.com.tr

Ukraine / Україна
ТОВ «Хусварна Україна»
вул. Васильківська, 34,
офіс 204-г
03022, Київ
Тел. (+38) 044 498 39 02
info@gardena.ua

Uruguay
FELSA SA
Entre Ríos 1083 CP 11800
Montevideo – Uruguay
Tel : (+598) 22 03 18 44
info@felisa.com.uy

Venezuela
Corporación Casa y Jardín C.A.
Av. Caroni, Edif. Trezzmen, PB.
Colinas del Bello Monte.
1050 Caracas.
Tlf : (+58) 212 992 33 22
info@casayjardin.net.ve

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D-89070 Ulm
<http://www.gardena.com>