

# 2016

# Live and let mow



Robotic Lawnmowers





# GARDENA Robotic Lawnmowers



Live and let mow.

Enjoy the garden, totally relaxed, sit back, don't worry about a thing – and let someone else take care of mowing the lawn, which can be annoying and time-consuming. Thanks to its sophisticated technology based on 20 years of experience, the GARDENA robotic lawnmower performs this task fully automatically, quietly, reliably and precisely. The result is a perfect lawn – every time.









# Why buy a robotic lawnmower?

Imagine: You come home from work and the lawn is mown. It is even thicker and more beautiful than ever. With the help of the robotic lawnmower, a beautiful and neat lawn is achieved to a superior standard, around the perimeter of the house too, without you having to sacrifice your own free time in the evening or at the weekend. You can preserve your energy for the good things in life. The robotic lawnmower is emission-free yet very powerful. So just relax and let the robotic lawnmower do the work.





## Totally relaxed

The lawn is often the centrepiece of the garden. As soon as the robotic lawnmower takes over maintenance of the lawn, you are free from having to mow and you can sit back and relax. That's how easy it is.



## Dream lawn

Would you like to walk barefoot over a lusciously green, thick and healthy carpet of grass? It's relaxing. As robotic lawnmower pioneers, we have long-standing experience of mowing and our robotic lawnmowers have winning technical properties. Thanks to the SensorCut system, they mow regularly, sleekly and with "feeling".

## Me time – you time

The garden is just the thing to help you wind down. It is a green island with space for the really important things in life. Straight away there will be time for family, friends and fun. Decide whether to spend your saved time in the garden or somewhere else. Time is not money, time is for living.







# Sit back and relax

Intelligent lawn mowing whilst you relax.



## Simple menu navigation

Take care of installation, operation, and programming all at once.



## Extremely quiet

Thanks to Silent Drive motors, GARDENA offers the quietest robotic lawnmowers on the market and so your little helper won't bother you or your neighbours.



## Can be operated in all weathers

GARDENA robotic lawnmowers are technologically one step ahead and as a result can be used in all weathers. It is therefore no longer necessary to have a rain sensor to stop the mowing process in wet weather.



## Charges automatically

The robotic lawnmower takes care of mowing and charging all by itself. You don't need to worry about a thing!



## Mow narrow areas with ease

Thanks to its leader cable, the robotic lawnmower can pass through narrow passages with a width of at least 1.5 metres without difficulty. Ruts are avoided as the mower adjusts the distance from the leader cable itself. On their way to and from the charging station, SILENO and SILENO+ can even handle narrow passages with a width between the boundary cables of at least 60 cm.



## You decide when to mow the lawn

The robotic lawnmower works fully automatically – but only when you want it to. Use the easy menu to select the times when your little helper will work and when it is better off staying in its charging station.



## SensorControl

The SILENO+ robotic lawnmowers think one step ahead – they recognise how fast your lawn is growing and automatically adapt their activity to the speed of growth – that saves energy and your lawn gets just the right amount of treatment – fully automatically!



## TIPS AND TRICKS

### Treat your robotic lawnmower to a winter service

The services:

- Professional cleaning of your robotic lawnmower
- Inspection and maintenance of all moving components
- Checking and cleaning of the charging and contact plates
- Function test of all sensors and drives
- Battery test
- Replacement of the blades
- Test run on our test surface
- Winter battery charge

More information at: [www.gardena.com](http://www.gardena.com)







# More time

At last, more free time. That means more free time for family, friends and other activities.



## Fully automated mowing

The GARDENA robotic lawnmower works by itself and covers the exact lawn area that is programmed.



## Installed in an instant

- 1. Choose where the charging station should go**
- 2. Lay the boundary cables**

That's how the lawnmower will know where to mow and where not to mow.

- 3. Lay the leader cable**

The lawnmower finds its way to remote areas of the garden and back to the charging station. The boundary and leader cables can be laid on or under the surface of the lawn.

- 4. Attach the cable to the charging station**

- 5. Operate the robotic lawnmower**

Programme mowing times and configure any further settings according to individual requirements.

- 6. Start up the robotic lawnmower**

Off it goes!

- 7. Let the mowing begin**

and enjoy your free time.



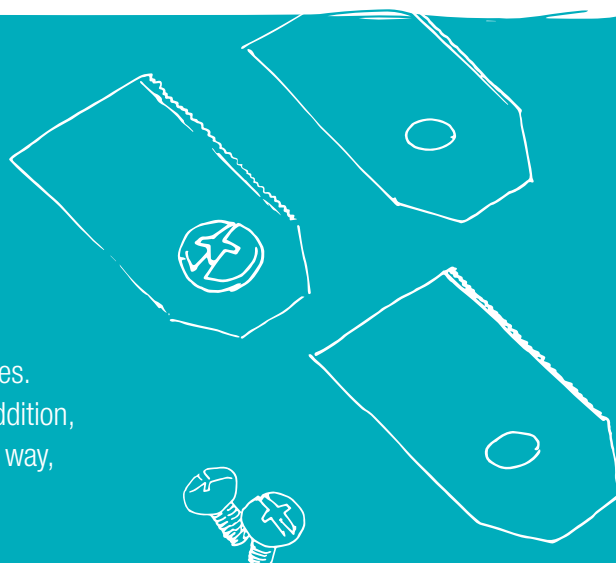
## Forget all about grass cuttings

The GARDENA robotic lawnmower cuts only the fine tips of the blades of grass on a daily basis. Regular cutting and the nutrients from the fine cuttings enhance the quality of your lawn. Turf thickens. But most importantly – you can forget all about grass cuttings!



## TIPS AND TRICKS

Make sure your robotic lawnmower has sharp blades. That's what guarantees great mowing results. In addition, the robotic lawnmower will use less energy. By the way, you can change the blades easily yourself.









# A beautiful lawn

Top-class mowing results, even on large or highly complex areas of lawn.



## SensorCut system

Stripe-free and uniform mowing. Because the robotic lawnmower mows in various directions, the cross section is even and very clean. Daily care will help the lawn to become thicker and to achieve the appearance of a green carpet.



## Precision cut

Thanks to precision blades sharpened on both sides. The blades of grass are cut uniformly and cleanly in all directions within the whole area programmed to be mown.



## Mulch function – natural lawn fertiliser

The GARDENA robotic lawnmower cuts only the fine tips of the blades of grass on a daily basis. These fall as natural fertiliser directly onto the root area.



## Flexible cutting height

Easy-to-adjust cutting height.



## Leader cable

Thanks to the patented and unique leader cable, the robotic lawnmower finds its way to the remote parts of the garden as well as back to the charging station when its battery needs charging. However the lawnmower does not leave ruts because it always travels back to the charging station at various distances to the cable.



## TIPS AND TRICKS

The robotic lawnmower is very easy to look after and its electric motor is maintenance-free. However, about once a week you can do something to help your little helper: It's best if you use a damp cloth to clean the top of the lawnmower and a scrubbing brush to remove leftover grass from underneath the mower. Please do not use water to clean underneath the lawnmower.





# GARDENA Robotic Lawnmowers

## SILENO/SILENO+

For lawns up to 1300 m<sup>2</sup>.



### SensorCut system

Stripe-free and uniform mowing.



### Fully automatic

Mows whilst you spend your time doing other things.



### SensorControl

Detects the growth of grass and only mows it when necessary (Sileno+). Lawn-friendly and reduces energy consumption.



### EasyPassage

Mow narrow areas with ease.



### Cutting height adjustment

Easy-to-adjust cutting height of 20–60 mm.



#### For large lawns

The robotic lawn mower is high-performance and is suitable for big lawns.

#### For complex gardens

For lawns that are especially complex or that have a winding structure, the robotic lawnmower offers more customisable settings. The remote start function lets you decide how often your robotic lawnmower heads for the hard-to-reach areas of the garden. EasyPassage guides it without difficulty along the leading cable through narrow passages.



# GARDENA Robotic Lawnmower R70Li

For lawns up to 700 m<sup>2</sup>.



## SensorCut system

Stripe-free and uniform mowing.



## Fully automatic

Mows whilst you spend your time doing other things.



## Cutting height adjustment

Easy to adjust cutting height of 20–50 mm.



### For medium-sized lawns

The robotic lawn mower is high-performance and is suitable for medium-sized lawns.

### For moderately complex gardens

For lawns that are moderately complex or that have a winding structure, the robotic lawnmower offers more customisable settings. The remote start function lets you decide how often your robotic lawnmower heads for the hard-to-reach areas of the garden.



# GARDENA Robotic Lawnmower R40Li

For lawns up to 400 m<sup>2</sup>.



## SensorCut system

Stripe-free and uniform mowing.



## Fully automatic

Mows whilst you spend your time doing other things.



## Cutting height adjustment

Easy to adjust cutting height of 20–50 mm.



### For smaller lawns

The trend is moving towards smaller garden plots. This means that you can concentrate more on vegetable and flower beds and at the same time let a robotic lawnmower cut your lawn or enjoy your free time.

### For more simple gardens

For lawns with simple structures, the GARDENA robotic lawnmower allows for more free time and relaxation.



## Garage for the robotic lawnmower

Your robotic lawnmower parks up here, protected from the sun and bad weather. Robotic lawnmowers and “garages” go perfectly together. Thanks to the folding roof, you can access the control panel in an instant if need be.

### The advantages

- Protection from the sun and bad weather
- Folding roof for easy operation of the lawnmower
- Compact, light GARDENA design
- Suitable for all GARDENA robotic lawnmowers



Art. No. 4007

Suitable for robotic lawnmowers  
Art. No. 4071 / 4072 / 4077 / 4069



Art. No. 4011

Suitable for robotic lawnmowers  
Art. No. 4052 / 4054

Item description						
	<b>Robotic Lawnmower R40Li</b>	<b>Robotic Lawnmower R50Li</b>	<b>Robotic Lawnmower R70Li</b>	<b>Robotic Lawnmower R80Li</b>	<b>Robotic Lawnmower SILENO</b>	<b>Robotic Lawnmower SILENO+</b>
	For smaller lawns with a simple lawn structure.	For smaller lawns with a simple lawn structure.	For medium-sized lawns with a moderately complex lawn structure.	For medium-sized lawns with a moderately complex lawn structure.	For large lawns and complex gardens.	For large lawns and complex gardens.

Lawn area	Up to 400 m <sup>2</sup>	Up to 500 m <sup>2</sup>	Up to 700 m <sup>2</sup>	Up to 800 m <sup>2</sup>	Up to 1000 m <sup>2</sup>	Up to 1300 m <sup>2</sup>
Charging time approx.	50 min.	50 min.	50 min.	50 min.	60 min.	60 min.
Approx. mowing time per charge	70 min.	70 min.	65 min.	65 min.	60 min.	60 min.
Energy consumption during maximum performance	approx. 5 kWh/month	approx. 5 kWh/month	approx. 6 kWh/month	approx. 6 kWh/month	approx. 8 kWh/month	approx. 9 kWh/month
Accessories	150 m boundary cable, 200 pegs, 7 connectors, 5 connecting terminals, 3 replacement blades	150 m boundary cable, 200 pegs, 7 connectors, 5 connecting terminals, 3 replacement blades	200 m boundary cable, 400 pegs, 7 connectors, 5 connecting terminals, 3 replacement blades	200 m boundary cable, 400 pegs, 7 connectors, 5 connecting terminals, 3 replacement blades	200 m boundary cable, 400 pegs, 7 connectors, 5 connecting terminals, 9 replacement blades	250 m boundary cable, 400 pegs, 7 connectors, 5 connecting terminals, 9 replacement blades
Power	Lithium-ion battery 18V/2.1 Ah	Lithium-ion battery 18V/2.1 Ah	Lithium-ion battery 18V/2.1 Ah	Lithium-ion battery 18V/2.1 Ah	Lithium-ion battery 18V/2.1 Ah	Lithium-ion battery 18V/2.1 Ah
Charging system	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Max. gradient	Up to 25 %	Up to 25 %	Up to 25 %	Up to 25 %	Up to 35 %	Up to 35 %
Cutting height, adjustable	2–5 cm	2–5 cm	2–5 cm	2–5 cm	2–6 cm	2–6 cm
Display	LCD with set-up menu	LCD with set-up menu	LCD with set-up menu	LCD with set-up menu	LCD with set-up menu	LCD with set-up menu
Weight	7 kg	7 kg	7 kg	7 kg	~ 9 kg	~ 9 kg
Security setting	PIN code, alarm	PIN code, alarm	PIN code, alarm	PIN code, alarm	PIN code, alarm	PIN code, alarm
Sensors	Collision, lifting and tilt sensor	Collision, lifting and tilt sensor	Collision, lifting and tilt sensor	Collision, lifting and tilt sensor	Collision, lifting and tilt sensor	Collision, lifting and tilt sensor, SensorControl – adjusts the mowing frequency to grass growth
Guaranteed sound power level (dB)A	58	60	60	60	60	60
Art. No.	4071	4077	4072	4069	4052	4054



# Questions most frequently asked by our customers

and our answers.





## 1 Planning and installation

### Is an installation service available for my garden?

Installation of the GARDENA robotic lawnmower is generally very easy so that you can do it yourself. However, if you do wish to engage an installation service, GARDENA works with independent service partners who carry out installations. If you have any questions, please contact your local installation service. The price for installation depends on local conditions such as the size and complexity of the lawn, for example.

### Is a planning service available for my garden?

If you send a true-to-scale drawing of the area (1:100 or 1:200), GARDENA will offer to mark, for free, the ideal position of the charging station and will suggest where to lay the boundary and leader cables.

### Can I install the charging station in a corner or alcove?

It depends on the model. With SILENO and SILENO+ robotic lawnmowers, the position of the charging station can be customised. With other models, the position of the charging station must be selected in such a way that the boundary cable can be laid in a straight line for at least 1.5 m to the left and right of it. Problems could arise if you select a different location or a corner position. Please always observe the installation instructions in the instruction manual.

### Can I connect the charging station to a socket outside the house?

Yes, cables and transformers are designed so that they can be placed outdoors.

## 2 Types of garden and lawn

### Can the GARDENA robotic lawnmower handle gradients too?

The GARDENA robotic lawnmower can handle gradients within the working area of between 25 % and 35 % depending on the model (this means a height difference of 25 cm or 35 cm over 1 metre).

### Can the GARDENA robotic lawnmower handle uneven lawn surfaces as well?

The GARDENA robotic lawnmower can handle uneven surfaces thanks to its large wheels. The four-wheel SILENO and SILENO+ models in particular are ideal for uneven and bumpy lawn surfaces.

### I have a lot of moss in my lawn – can the GARDENA robotic lawnmower deal with it?

Yes. The GARDENA robotic lawnmower can influence the growth of moss. Continuous mowing can have a very positive effect on the growth of grass and leads to the gradual disappearance of moss from the lawn.

## 3 Operation

### Which system does the GARDENA robotic lawnmower work on?

The GARDENA robotic lawnmower operates on the SensorCut system. It cuts in various directions. As a result it makes the grass robust and provides the lawn with a level, uniform and clean cross section without leaving visible tracks.

### Can the GARDENA robotic lawnmower work even when it's raining?

Yes. Whilst other robotic lawnmowers have a rain sensor and stop working when it rains or when it's wet, possibly resulting in the grass being left to grow over a prolonged period of time, the GARDENA robotic lawnmower guarantees a cleanly cut lawn, even in bad weather. However, it is advisable to bring the lawnmower into a dry area in the event of extreme weather conditions such as torrential rain or a storm, for example. If a storm is forecast, it is advisable to unplug all live cables to the charging station.

## 4 Leader and boundary cables

### What does the boundary cable do?

The boundary cable defines the robotic lawnmower's working area.

### What does the leader cable do?

The leader cable is a patented solution and is firstly required to lead the GARDENA robotic lawnmower back to the charging station and vice-versa, and secondly it leads the lawnmower away from the charging station, to remote parts of the garden. It helps the lawnmower to quickly find the charging station without creating ruts and means that the lawn is evenly mown, even in areas of the garden some distance from the station.

### I have a beautiful flower bed and trees that I would like to protect. Is that possible?

Of course – just lay the boundary cable correctly around beds, trees, bushes and other objects and the GARDENA robotic lawnmower will keep away from these areas and therefore will not damage flowers, trees, bushes, etc. To do this, please follow the instructions in the instruction manual.



### Do I have to bury the robotic lawnmower's boundary and leader cables?

No, both cables can be laid on the ground and fixed in place using the pegs provided. After a few weeks the grass will grow over the cables. Alternatively, the cable can be laid in the ground down to a depth of 20 cm.

### Can I use the GARDENA robotic lawnmower in two separate working areas?

If the working area consists of two areas that the lawnmower cannot travel between, it is preferable to create an adjoining area. For this application, the robotic lawnmower must be manually carried between the main area and the adjoining area so that the lawn on the adjoining area can be mown.

### Why aren't the blades fixed firmly in place?

A safety function of many of the lawnmowers is that the blades are freely hung so that if they touch obstacles (e.g. fruit, branches), they fold away. Whilst mowing, they accelerate outwards through centrifugal force and cut the grass. However, if the blades come across an object, they immediately slacken and retract.

## 5 Safety

### Does the GARDENA robotic lawnmower have an anti-theft device?

Yes, the lawnmower has several anti-theft devices that can be activated. Important: The GARDENA robotic lawnmower can not be used without the personal PIN code. This protects the lawnmower from being operated at any place of installation other than its own. If the lawnmower is stopped manually or lifted, you will need to enter the PIN code. Otherwise, the alarm will be triggered.

### What happens if the GARDENA robotic lawnmower bumps into or is lifted up by trees or other obstacles?

The robotic lawnmower is equipped with highly-sensitive collision, tilt and lifting sensors. It will gently touch the obstacle, reposition and change direction. If it is lifted up, the cutting mechanism will stop straight away.

## 6 Maintenance

### How is it best to clean the lawnmower?

It is important that every robotic lawnmower is always kept clean and free from a build-up of grass. We recommend cleaning it with a brush and a damp cloth. However, never clean underneath the lawnmower with running water. GARDENA offers a range of special cleaning products and tools for the robotic lawnmowers. Ask our service provider or visit our website.

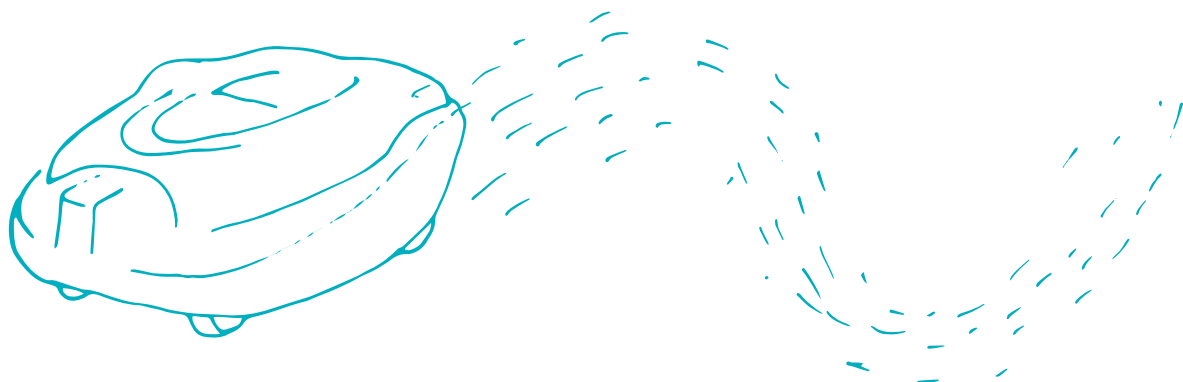
### What should I look out for in winter?

The robotic lawnmower should be carefully cleaned and fully-charged prior to being put in storage for the winter and should be kept on its wheels in a dry and frost-free place. Towards the end of the mowing season, GARDENA offers a professional winter service.

## 7 Health

### What about if you have an allergy – does a lot of mowing make the symptoms worse?

On the contrary; if you have an allergy to grass or if you suffer from hay fever, the GARDENA robotic lawnmower could be a solution for you. Because you don't have to be there when the GARDENA robotic lawnmower mows the lawn, you automatically avoid contact with the grass clippings. Moreover, the grass is kept for such a short time that the allergens do not swirl round in the air and the grass doesn't have a chance to bloom in the first place.





# GARDENA Service

Further information can be found at:  
[www.gardena.com](http://www.gardena.com)

E-Mail: [service@gardena.com](mailto:service@gardena.com)

Tel.: +49 (0)731 490-6419

Fax: +49 (0)731 490-389

You can call us Monday to Friday, 8 am to 5 pm.





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**Advice about robotic lawnmowers**

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**GARDENA Service**

If you have any questions about the installation of the robotic lawnmower or you need further information, please contact us at [www.gardena.com](http://www.gardena.com) any time. There you will find detailed installation videos, answers to frequently asked questions and lots more information, facts and suggestions.

We reserve the right to make changes, including changes to products.

**[www.gardena.com](http://www.gardena.com)**

