

Robomow RS630 Review – The Best Robot Lawn Mower Of 2014

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2014 Editors Choice Award

“Meet The Rolls-Royce Of Robot Lawn Mowers”



Robomow has taken more than 10 years of experience in the robotics industry and used it to create the absolute best robot lawn mower on the market, the Robomow RS630. With an abundance of features, tons of customization, and immense value the RS630 is something that any home-owner would benefit from. This is not another novelty item you'll hear about at the local country club. The Robomow brings serious value to the table for any home owner regardless of what you're interested in. Before we get into detail on why this is such an impressive unit, take a look at some of the most impressive features it offers.



-Program How Often and When It Should Mow

The obvious benefit is pure convenience, but even I underestimated it's capacity to make life easier. The RS630 has the ability to automate mowing time and frequency. Program how often it should mow then sit back and relax. It will automatically begin mowing and plug itself back in when it's done, awaiting the next scheduled mow.

-100% Weatherproof

"Robomow is built to be outside all the time, the plastic is even UV protected." - Karsten Beck, CAO of RobomowUSA, Inc

It didn't take long before I was able to test just how weatherproof the unit was. Torrential rainfall and tornado warnings in Tennessee proved that the RS630 can stand up to anything short of a tree falling on it. Even after days of being rained on it performed without a hitch. We love that Robomow thought this functionality through. You can rest assured that even in the worst of storms your unit is built to last.

-Automatic Rain Sensor

Located on the menu-pad, the rain sensor determines if the yard is too wet to mow at that time. You can set the sensor's sensitivity if you know that your yard can or can't hold a certain amount of water. If it starts raining while the Robomow is in action, it will determine whether it needs to return to base and finish the job later.

-Robomow App Remote Control

Within the Robomow app you can adjust any setting on the unit. Set your scheduled mowing time and frequency, check how much battery life your Robomow is operating with, and our personal favourite – Remotely control the unit with digital joystick and blade controls.



RoboMow Remote Control App For iPhone/Android

In Depth Review

Weight	44 lbs
Dimensions	29 x 26 x 12 inches
Mowing Motors	400 Watt
Charge Time	120 min
Battery	26V Lithium (LiFePO4)
Power Consumption	32 kWh/month
Warranty	1 Year

Robomow Zone/Perimeter

There is a definite learning curve setting up the Robomow for the first time, and this is something that has to be done right. Once you place the base station it's time to set its boundaries. The RS630 comes with bright green perimeter wire that carries a current, this is how the Robomow knows where to mow. I was concerned with the appearance of a florescent wire bordering my yard, but after two weeks it was hidden and hardly visible.



The Robomow RS630 comes with an assortment of “zone options”. Each zone is essentially a plot of land that you can individually program the RS630 to mow. For example, if your yard is split by a line of trees you can specify two separate zones and program the size of each. For our tests we set the entire acre lot to a single zone since the entire plot was connected. It's still an incredibly useful feature if your yard setup requires it.

Performance & Features

Adjustable Cutting Height

One of the best features is the adjustable cutting height, easily accessed by turning a knob anywhere from 20 to 80 (0.8 – 3.2 inch). This is particularly handy if you know about proper lawn care. The idea behind cutting height is to cut the top 1/3 and let the fallen clippings protect roots from direct sunlight. This is a proven method for having the best lawn possible that most of us simply don't have the time to adhere to.

Unique Edge Mode

When you boot up the unit there are three main options displayed. The first tells the Robomow to travel your perimeter line, making sure it covers the entire edge of the lawn then moving on to the

regular mowing cycle. The second option starts the regular mowing cycle, bypassing the initial edging. The third option is a home icon, that tells the Robomow to plug itself back into its base station if it's out during a job. The set up controls are designed with simplicity in mind, so it's incredibly easy to operate regardless of how tech-savvy you are.

Cutting Quality

The RS630 is designed to cut better than your current mower. It's clear that Robomow put a lot of experience, time, and effort into the design. Sporting dual steel blades, the RS630 will cut through anything small enough to make it under the safety guard. It's strong enough to chop sticks in its path without damaging the blades so you won't have to worry about replacing them due to an unexpected storm felling trees.



Dual steel blades designed to handle anything that makes it under the safety guard

Floating Deck – Handle Any Terrain Without Issue

The floating deck design is simply brilliant. This allows the RS630 to conform to bumps and crevices without giving an uneven cut. Our test yard had a recent gopher infestation, the floating deck had no issue gliding over the ups and downs while giving an even cut. The deck's biggest advantage is the fact that you don't have to worry about nicking the blades on protrusions like stumps and large sticks.

Quiet And Peaceful

One of the greatest benefits you'll find about the Robomow is how quiet it is in comparison to a more traditional option. If the unit was more than 15 feet away it was hardly audible. The neighbours wouldn't be able to tell even if you ran the unit at 2am. Check out the video below to see just how quiet the Robomow RS630 actually is.

Advanced Calculation To Determine Efficiency

“Robomow calculates the hours it needs to mow based on the area and the load on the mowing motors.”

It's truly impressive how well it worked in the real-world tests. Simply program your approximate square footage and the unit knows how long it should mow. Our test lawn maxed the Robomow range (just under 1 acre), and time after time it covered every inch of the yard without error.

Estimated Life

The Robomow RS630 is designed to give you long-term value. The 26V Lithium battery lasts years before its charges diminish. It's important to note that the unit continues to work well after this threshold is reached, it may simply have to recharge itself before finishing the job.

“The RS series has a high quality commercial Lithium Bromide battery, with an expected life time of more than 5000 charges before it shows any drop in performance. It converts to 4-5 years of use before seeing shorter run time and even then the mower will just go in and out of the base station more often.”

Blade replacement is recommended annually, although that's pretty standard for lawn mowers and my guess is you could go much longer than that. Excluding the battery and blades, the Robomow is designed for years of use with little to no maintenance.

More Safety Features Than You Could Imagine

“Safety was a huge part of the development of the RS series. In Europe they have very strict safety standards, and they are changing to be even more strict in 2015. That is why the RS series was developed, the old RL wouldn't meet the new safety standards. We used our years of experience to meet these high safety demands and make an overall better product..”

Robomow has put an incredible amount of time and energy into the safety of their latest product. A few key features attribute to the safety, its speed and bumper sensing. The RS630 moves at a slow pace, I would guess around 2-3 mph and even slower when in remote control mode. The front and side bumpers depress on contact and immediately shut down the dual spinning blades. When it contacts a leg, tree, or pet it shuts the blades down and turns around to continue its job. Each unit also comes standard with child lock and anti-theft protection for the extra peace of mind.

We tested the safety countless times until I was satisfied enough to put our seal of approval on it. I can say with absolute certainty that Robomow's products are 100% safe. I bet my foot on it (literally).



Why Is It Such A Great Value?

Time is money, and that's exactly what makes the Robomow such a great value. Below I've run a chart on how much money the Robomow would actually save someone in well under the course of it's lifetime. The example below uses conservative estimates such as a \$10 hourly pay rate, mowing the lawn once every week, and mowing time for each session lasting an hour. The chart is obviously a bit simple, but I encourage you to make your own!

**Estimates based on conservative lifetime estimate, value of time being \$10 hourly, mowing schedule once weekly, mowing time one hour per session. Electricity and gas rates taken from current cost in TN*

Five Year Average Cost Comparison		
Mower	Cheap Traditional Mower	RoboMow RS630
Initial Cost	\$250	\$2,000
Gas/Electricity	\$1,405	\$990
Hours Of Labor	280 hours	30 hrs

Value Of Your Time	\$10 hourly	\$10 hourly
Monetary Time Value	\$2,840	\$300
Average 4 Year Cost	\$4,495	\$3,290

Limitations

There are a few small limitations that Robomow is very open about. The first being the unit can't handle more than a 36% grade. Only once did I come across this, and it was done for testing purposes. I set the unit to mow a steep ditch expecting it to topple over itself and was pleasantly surprised when it realized the grade was too steep, turned around and continued on it's way. The maximum lawn size is 32,300 ft², which is just under an acre. My advice if you own more than an acre, buy two units... it will be money well spent.

Final Thoughts

After two months with the Robomow I'm absolutely sold. It brings such a unique mixture of offerings to the table, but most importantly it's absolutely within reach for the average homeowner. The amount of time it will save the average consumer over the next few years makes the Robomow RS630 not only an awesome gadget, but a sound investment. If you're interested in learning more I recommend checking out the [Robomow website](#).

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Robomow RS630

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The Robomow RS630 is the best robot lawn mower on the market today. With dozens of features it's guaranteed to make your life easier.

5 / 5 stars