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PRODUCT BROCHURE
2026 edition



KEENMOW · ROBOT LAWN MOWER ·
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KEENMOW K1

**3D LiDAR-Vision robot lawn
mower**

Maps the lawn on its own, mows without
wires or RTK, climbs 27° slopes and
passes 0.8 m garden paths.



Available worldwide from Robotix Market
robotixmarket.com

OVERVIEW

Wire-free mowing with 3D LiDAR vision

KEENMOW K1 brings KEENON Robotics' navigation to the garden. AuraVue 3D LiDAR-Vision maps the lawn hands-free, without boundary wires or an RTK antenna, so it copes with shaded spaces, narrow routes and complex layouts. It mows up to 1,500 m² across as many as 15 zones, climbs 27° slopes, avoids pets and obstacles, and returns to its station to recharge on its own.

Maps the lawn in 3D

AuraVue 3D LiDAR-Vision navigation maps the lawn hands-free with centimetre-level precision: no boundary wires, no RTK antenna, no signal loss.

Sees what is in the way

3D LiDAR and 150° RGB vision recognise pets, wildlife and obstacles by shape, size and distance, and steer around them.

Handles real gardens

23 cm Megawheels with 5 cm-wide tyres grip soft ground and roots, and the K1 climbs slopes up to 50 % (27°).

Plans every pass

AI path planning mows in S-shaped lanes, keeps refining its routes for smooth, full coverage and passes garden paths as narrow as 0.8 m.

Cuts to the conditions

AI reads terrain and grass density and adjusts cutting power; the 5-blade disc cuts 22 cm wide at 20 to 70 mm and edges to within 5 cm.

Runs itself

Auto recharging and auto resume, a rain sensor, IPX6 protection and ≤ 60 dB operation, with a PIN code and GPS tracking.



1,500 m²

MAX. MOWING
AREA

27°

MAX. SLOPE (50
%)

0.8 m

NARROWEST PATH

20–70 mm

CUTTING HEIGHT

IPX6

WATERPROOF
MOWER

Four jobs in one robot

WHAT IT DOES ON EVERY RUN

3D

Map

3D LiDAR and AI vision map the lawn hands-free, without wires or RTK

15 zones

Plan

AI S-shaped paths, up to 15 zones and no-go zones set in the app

150°

Avoid

Pets, wildlife and obstacles recognised by shape, size and distance

22 cm

Mow

5-blade disc, 22 cm wide, 20 to 70 mm, adaptive cutting power

Every part of KEENMOW K1 has a job

AuraVue 3D LiDAR

3D LiDAR fused with AI vision for centimetre-level navigation

150° RGB vision

Recognises obstacles, pets and wildlife

Night vision light

Supplementary light built in

App and connectivity

4G, Wi-Fi and Bluetooth; PIN code and GPS tracking



KEENMOW K1

5-blade cutting disc

22 cm wide at 2850 RPM; cutting height 20 to 70 mm

Megawheels

23 cm diameter, 5 cm-wide tyres for soft ground and roots

90 W mowing motor

AI adapts cutting power to terrain and grass density

Weatherproof

IPX6 mower, IPX4 base station and a rain sensor

64.3 × 44 × 28.3 cm

DIMENSIONS (L × W × H)

15 kg

WEIGHT

120 min

WORKING TIME PER CHARGE

≤ 60 dB

NOISE LEVEL



3D LiDAR-Vision Robot Mower



Charging Station x1



Power Supply x1



Cleaning Brush x1



LiDAR Protective Cover x1



Screws (8pcs) x1



Hex key x1



Spare Blades and Screws (15Pcs) x1



User Manual x1



Quick Start Guide

What's in the box

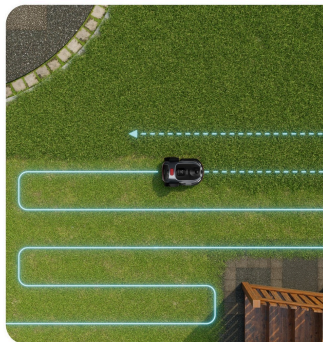
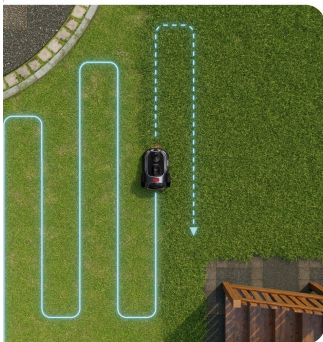
The K1 mower, charging station, power supply, cleaning brush, LiDAR protective cover, 8 screws, hex key, 15 spare blades and screws, user manual and quick start guide.

HIGHLIGHTS

What sets KEENMOW K1 apart

Hands-free 3D mapping

3D LiDAR maps the lawn on its own, with no boundary wires, no RTK antenna and no signal loss in shaded spaces. Once the map is made, it is ready to mow.



AI path planning

S-shaped mowing lanes and routes that keep improving give smooth, full coverage of complex lawns, through paths as narrow as 0.8 m.



No-go zones in the app

Walk the boundary of a flower bed, pet area or garden furniture with the app and the K1 maps it; each of up to 15 zones gets its own schedule, cutting height and direction.



Slopes up to 50 % (27°)

The K1 adjusts its power on slopes to stay stable and keep traction, for consistent mowing on steep ground.



Megawheels

23 cm-diameter wheels with 5 cm-wide tyres grip soft ground and roots, so mowing carries on without needing a rescue.

Gardens that are not a simple rectangle

Complex gardens

Irregular layouts with beds, paths and furniture, handled with 3D mapping and no-go zones.

Shaded lawns

3D LiDAR navigation with no RTK antenna or satellite signal to lose, for gardens with trees and buildings.

Narrow passages

Garden paths and gaps down to 0.8 m between lawn areas.

Sloped plots

Hillside and uneven lawns with slopes up to 50 % (27°).

Front and back yards

Up to 15 zones, each with its own schedule, cutting height and mowing direction.

Families and pets

Pets and wildlife recognised and avoided, with operation at ≤ 60 dB.

Up to 1,500 m² of lawn at 150 or 250 m²/h; 120 minutes per charge and 100 minutes to recharge, after which the K1 resumes mowing on its own.



TECHNICAL SPECIFICATIONS

KEENMOW K1 at a glance

NAVIGATION

Positioning & navigation	AuraVue 3D LiDAR and AI vision fusion, centimetre-level precision
Mapping	Hands-free auto mapping; no boundary wires, no RTK antenna
Obstacle avoidance	3D LiDAR and 150° RGB vision; pets, wildlife and obstacles recognised by shape, size and distance
Path planning	AI S-shaped mowing; passes paths as narrow as 0.8 m
Zones	Multi-zone management, up to 15 zones; no-go zones set in the app
Night vision light	Supplementary light built in

MOWING

Max. mowing area	1,500 m ²
Cutting efficiency	150 or 250 m ² /h
Working speed	0.4 or 0.6 m/s
Mowing motor	90 W, AI-adaptive cutting power
Blade disc	5-blade disc, 2850 RPM
Cutting width	22 cm
Cutting height	20–70 mm
Edge cutting	Smart edge within 5 cm; ride-on edge cutting

TERRAIN

Max. slope	50 % (27°)
Wheels	23 cm diameter, 5 cm-wide tyres

POWER

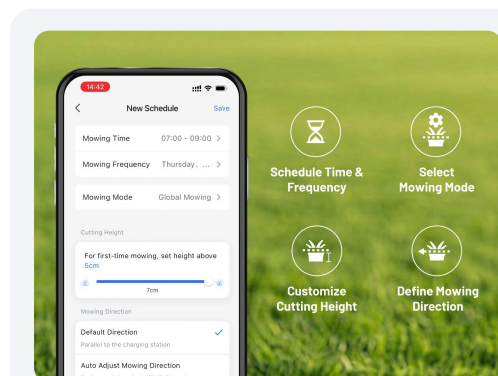
Battery	Lithium, 5 Ah
Working time per charge	120 minutes
Charging time	100 minutes
Charging	Auto recharging and auto resume mowing

PROTECTION & CONNECTIVITY

Waterproof rating	Mower IPX6, base station IPX4
Rain sensor	Yes
Noise level	≤ 60 dB
Security	PIN code and GPS tracking
Connectivity	4G, Wi-Fi, Bluetooth; app control

BODY & PACKAGE

Dimensions (L x W x H)	64.3 x 44 x 28.3 cm
Weight	15 kg
Package (L x W x H)	89 x 57.3 x 41.2 cm, 25 kg
In the box	Mower, charging station, power supply, cleaning brush, LiDAR protective cover, screws (8), hex key, spare blades and screws (15), user manual, quick start guide



The lawn in the app

Plan routes, set zones and no-go areas, choose cutting height, schedule and mowing direction, and monitor the K1 live. It connects over 4G, Wi-Fi or Bluetooth and is protected by a PIN code and GPS tracking.

Sources: KEENMOW K1 product and specification pages on keenmow.com (KEENON Robotics), September 2026. All figures are the manufacturer's; working time depends on the lawn and conditions.

NEXT STEP

Put KEENMOW K1 on the lawn

Tell us about the lawns: size, slopes, zones and how many units you need. We will come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web · robotixmarket.com/products/keenon-keenmow-k1-lidar-robot-lawn-mower

Email · info@robotixmarket.com

Prices on request; configuration and delivery are confirmed with your quotation. Robotix Market ships worldwide.



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Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full manufacturer warranty and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

See it in action

youtube.com/watch?v=dgUack_G38g