



# INSTRUCTIONS MANUAL

Ride-on sweeper

AKM80-1



Please read this manual before using the product and follow the instructions it contains!

## GENERAL

Foreword	3
Safety Instructions	3
Technical Data	3
Overview of the main components	4
Safety devices and warning signs	5
Assembly instructions	5
Operating instructions	6

## MAINTENANCE

Regular inspections	7
Maintenance	8
Troubleshooting	10
Service & Contact	10
EU Declaration of Conformity	11

## FOREWORD

Congratulations on the purchase of your new AKM80-1 ride-on sweeper. This cleaning machine has been manufactured from high quality materials, specially designed for durable and reliable use. For your own safety and for the correct operation of the AKM80-1, be sure to read and follow these operating instructions before using the machine. Keep this operating manual. Check the machine for transport damage. Damaged ride-on sweepers must not be put into use.

The AKM80-1 is used for the efficient cleaning of floor surfaces indoors and outdoors. Improper handling may result in injury or damage to the machine. The liability for damage resulting from improper use of the device or failure to observe the specifications and rules of conduct contained in this operating manual is excluded. The operator / user must ensure the correct use of the ride-on sweeper by trained and authorized personnel.

## SAFETY INSTRUCTIONS

- The machine may only be operated by qualified and authorized personnel.
- Only physically and mentally healthy adults are allowed to operate the ride-on sweeper.
- Do not use the machine if the slope exceeds 25 %.
- Do not use the ride-on sweeper in precipitation.
- When driving, pay attention to its travel path. Do not drive the ride-on sweeper over ropes or hot surfaces, as well as flammable or toxic and harmful substances to avoid entanglement and damage to the brushes.
- Wear work clothes when using the machine.
- Do not use the machine when flammable or explosive gases, liquids or vapors are in the environment.
- Turn off the brushes while the machine is stopped to avoid damage to the ground surface.
- Do not place liquid containers on the machine.
- Do not use the machine as a means of transport for heavy loads.
- Turn off the machine before any brush replacement, maintenance or repair.
- Do not reach under the brushes while they are rotating. Keep loose clothing and hair away from them.
- Do not open the side panel when the machine is in operation.
- If the ride-on sweeper is to be lifted by machine, it must first be secured.
- Park the machine indoors while not in use.
- Park the cleaning machine on a level surface, without a slope.
- Empty the tanks, as well as lines, completely in case of a longer storage. Temperatures below 0 °C may cause damage to the machine.
- Contact us if any parts of the machine need to be replaced.
- Modifications and changes to the device not approved by the manufacturer will void the warranty.

## TECHNICAL DATA

### GENERAL

Type	Unit	Value
Brand		wipeket
Model		AKM80-1
Colour		Blue
Width	mm	1.010
Depth	mm	1.600
Height	mm	1.340
Weight	kg	330
Range of application		Indoor / Outdoor

### AMBIENT FACTOR

Type	Unit	Value
Volume	dB	68

### BATTERY

Type	Unit	Value
Battery		VRLA-AGM
Battery weight	kg	63
Number of batteries		4
Battery life	h	3
Charging time	h	6 - 8

### TIRES & CASTORS

Type	Unit	Value
Tyres		Hard rubber

## POWER

Type	Unit	Value
Cleaning performance	m <sup>2</sup> /h	7.200
Drive motor power	W	1.200
Vibrating filter motor power	W	35
Power Brush motor Main brush	W	800
Power Brush motor Side brush	W	90
Suction motor power	W	72
Main brush rotation speed	rpm	850
Rotation speed of side brush	rpm	98
Speed	km/h	6
Gradeability	%	25

## DIMENSIONS

Type	Unit	Value
Main brush diameter	mm	300
Side brush diameter	mm	440
Cleaning width	mm	1.200
dust tank	l	92
Fresh water tank	l	22
Turning radius	mm	800

## OVERVIEW OF THE MAIN COMPONENTS



No	Designation
1	Steering wheel
2	Wiper pedal
3	Brake pedal
4	Side brush
5	Spray mist nozzle
6	Gas pedal



No	Designation
7	Solid rubber tires
8	Charging socket
9	Dust tank
10	Water tank
11	Seat
12	Headlights



No	Designation
13	Horn
14	Spray mist
15	Shake button
16	Brush button
17	Driving direction
18	Ignition lock
19	Battery charge indicator
20	Light

## SAFETY DEVICES AND WARNING SIGNS

Warning label	Name
	Regulation of the spray mist
	Recharge the battery to 100% after each use

## ASSEMBLY INSTRUCTIONS

### FITTING THE STEERING WHEEL

1. Push the steering wheel onto the threaded steering wheel rod. Pay attention to the direction of the steering knob.
2. Screw the hexagon head screw onto the thread of the steering wheel rod to secure the steering wheel. Tighten it firmly.
3. Insert the spring of the horn mechanism into the eyelets on the steering wheel.
4. Place the cover cap on the recess in the steering wheel. Press it on firmly so that it does not come off by itself.

### FITTING THE SIDE BRUSHES

1. Place the side brush on the thread at the front right and left.
2. Screw the hexagon head screw under the side brushes onto the thread. Tighten it firmly.

## OPERATING INSTRUCTIONS

### BEFORE THE FIRST USE

1. Check that all connecting and fastening parts are properly tightened.
2. Open the cover flap, connect the cable to the battery block (see section "Connecting the battery") and check the remaining power connections.
3. Check that all visible parts are in good condition.
4. Make sure that the dust container has been properly inserted and closed before operation.
5. Mount the crank for the vibrating filter on the rear of the machine.
6. Fill the water tank.
7. Adjust the seat to suit you.

### DRIVING WITHOUT CLEANING

- Check if all switches are turned off and side brushes are raised.
- Check which direction of travel the sweeper is set to.
- Step on the brake before turning on the machine.
- Insert the key into the ignition lock and turn it to the ON position.
- Take your foot off the brake and step on the accelerator pedal next to it.
- If you want to change the direction of travel, stop the sweeper, put your foot on the brake and press the direction of travel toggle switch (17).
- You can then continue in the selected direction.

### CLEANING

- Switch on the machine.
- Press the brush button so that the brushes rotate and move down.
- When moving forward, the ride-on sweeper cleans the floor.
- Switch on the spray mist if the dirt is particularly fine or is stirred up strongly. To do this, open the lever for the spray mist (14) on the underside of the machine. This is located to the left of the spray nozzle.
- Press the brush button when you have finished cleaning.
- If the filter is clogged and the cleaning performance decreases, press the jogging button (15).



Empty the dust tank regularly so that it does not become clogged. Be sure to empty it after each use.

### EMPTYING THE DUST CONTAINER

- Put the machine down, turn it off and make sure that the brushes are raised and no longer rotating.
- Loosen the dust tank buckle and pull it out of the sweeper.
- Empty the dust tank over a suitable disposal site.
- Push the empty tank back into the sweeper and tighten the buckle.
- The machine is now ready to clean again.

## AFTER CLEANING

After cleaning the floor and before putting the machine down, proceed as follows:

- Park the device on a level surface. Do not park it on slopes.
- Press the brush button to switch off and raise the main brush and the side brushes.
- Turn off the machine and remove the key.
- Empty the dust tank.



Raise the main brush and the side brushes before switching off the machine.  
Please store the machine in a clean, dry, frost-protected and well-ventilated place after its use.  
Empty the tank as well as the hoses of the machine by disconnecting the water hose inside.

## CHARGING THE BATTERY

- Switch off the machine before charging it.
- Plug the charger into a power outlet and connect it to the machine. The connection for the charger is located on the right rear side of the sweeper. A charge level indicator shows how far the machine has been charged.

## CONNECTING THE BATTERY

To ensure safe transportation of the ride-on sweeper, the batteries are not connected. Therefore, please proceed as follows before using the AKM80-1 for the first time.

1. Switch off the appliance.
2. Remove the dust tank.
3. Open the rear cover.
4. Place the batteries in the designated position and connect the batteries to the cables.
5. Close the cover again.



To ensure safe transport of the ride-on sweeper, the batteries are not connected. Therefore, before using the AKM80-1 for the first time, please proceed as follows.

## REGULAR INSPECTIONS

Switch off the machine before any maintenance and inspection.

- Perform a brief visual inspection before each cleaning. Pay particular attention to the side brushes, the dust filter and the control panel.
- Check the functions of the ride-on sweeper weekly.
  - Do the brushes fully descend?
  - Do the side and main brushes rotate without problems?
  - Does the spray emit water evenly?
  - Does the machine accelerate smoothly?
  - Does the machine brake reliably?
  - Check the operation of the horn.
  - Turn the steering wheel fully in both directions. Does the machine steer smoothly?
- Have the electrical system checked annually by a specialist.

## MAINTENANCE

### CHANGING THE MAIN BRUSH



Wear gloves when changing brushes as you may cut yourself on the bristles. Check the brush pressure and adjust the placement if necessary.

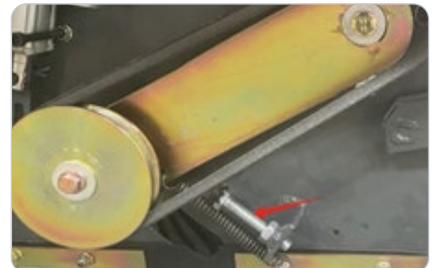
1. Remove the 3 large mounting nuts to loosen the main roller suspension.
2. Remove the side splash guard, also by loosening the 4 attached screws.
3. Remove the protection plate by loosening the 4 additional screws.
4. Now the main roller can be pulled out and replaced.



Clean the main brush at regular intervals. Coarse dirt and smaller objects can settle on the brush and impair the cleaning performance.

### ADJUST THE HEIGHT OF THE MAIN BRUSH

1. Open the side cover.
2. Screw up the distance screw to raise the brush.
3. Unscrew the distance screw to lower the brush.



Do not lower the brush too far. If the brush has too much contact with the floor, it may be damaged, which will affect the cleaning performance.

### CHANGING THE SIDE BRUSHES

The main function of the side brushes is to pick up and transport trash from both sides to the center of the machine so that it can be picked up by the main brush. The advantage of the side brushes is that they can sweep even the garbage out of corners, thus increasing the cleaning area.

1. Ride up the side brushes.
2. Loosen the 4 nuts on the side brush from below to remove it.
3. Now you can replace the side brush.

## ADJUST THE HEIGHT OF THE SIDE BRUSHES

1. Stop the rotating movement of the brushes.
2. Screw up the distance screw, to raise the brush.
3. Screw down the distance screw to lower the brush.
4. Then drive the brush up again, by tilting the brush knob in the other direction.



Adjust the height of the side brush if it is hung too low or too high to improve cleaning results and reduce brush wear.

## CLEANING THE DUST FILTER

1. Open the upper housing.
2. Remove the cables and then the connections from the mechanics to the housing.
3. Close the housing again and loosen the screws of the hinges to replace the housing.
4. Loosen the 8 screws on the back of the motor box.
5. Pull the filter out of the box.
6. Knock out the dust filter. If it is particularly dirty, use a vacuum to suck off the surface of the filter.
7. Proceed in reverse order to reinsert the filter.



Never clean the filter with water or detergent.

## REPLACING THE BATTERIES

1. Open the housing.
2. Disconnect the battery cable before removing the battery.

## TROUBLESHOOTING

Problem	Cause	Solution
The ride-on sweeper does not move	The controller is damaged or has no connection. The fuse is damaged or has no connection. The accelerator pedal is damaged or has no connection. The front wheel is damaged. The batteries are damaged or have no connection	Replace the component or reconnect it properly.  Contact customer service
The ride-on sweeper does not sweep	The brush button is damaged  The drive switch does not work  The 100A connection is damaged	Replace the brush knob Contact customer service. Adjust the wire for the main brush so that the switch works again  Replace the component. Contact customer service
The spray does not work	The fresh water tank has a leak A hose is damaged A gasket is loose The nozzle is clogged The water pump is damaged The button for activating the spray mist is damaged	Check the fresh water tank, seal it or replace it Replace the hose Check the hose connections and seal them Clean the nozzle Replace the water pump Replace the knob
The filter does not shake	The vibration motor is damaged	Replace the motor
The machine is not charged	The charger is not connected properly The charger is damaged	Check the connectors and plug them in properly Contact the customer service
Dust comes out again	The seal of the dust tank is loose or damaged The fan is damaged The front dust cover is damaged  The main brush is installed the wrong way round The dust tank is loose The cleaning speed is too high	Seal the dust tank again Replace the fan Close the leak  Disassemble the cleaning brush and reassemble it the right way round Secure the dust tank properly Slow down
The main brush and the side brushes do not go up or down	The push button is damaged	Replace the push button
The main brush does not go down	The push rod is damaged	Replace the push rod
One of the side brushes does not go down	The push rod is damaged	Replace the push rod
The steering wheel does not work	The chain to the front wheel is loose or broken The connection tooting is loose	Replace the chain Tighten the locking screw on the tooting

## SERVICE & CONTACT

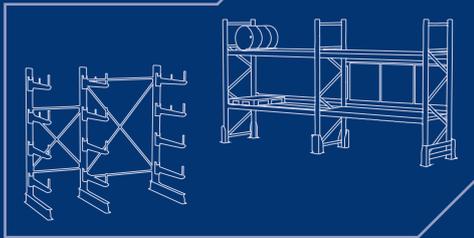
Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: [www.topregal.co.uk/en/service](http://www.topregal.co.uk/en/service)

Responsible for the content:  
TOPREGAL GmbH  
Industriestrasse 3  
70794 Filderstadt  
GERMANY  
[www.topregal.com](http://www.topregal.com)



# TOPREGAL

TOPREGAL



SolidHub



WIPEKET



TECMASCHIN



SOLOPORT

