

Operation Manual

Sembdner Landscaper RS 50 E Electric Drive



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Subject to technical changes; errors excepted - as of 10/2020

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1. Technical data

1.1 Machine characteristics

Technical Data

RS 50 E Electric Drive

working width net. weight seed container approx content l/w/h (with guide beam) battery 36V drive power	50 cm von 63 – 100 kg ca. 40 Ltr. 1270/590/940 mm Li-ion 36V7Ah 0,3 kW
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1.2 Type label



1.3 Intended Use

The landscaper is only to be used for sowing lawns (intended use).

Any use going beyond this is considered improper.

The manufacturer is not liable for any resulting damage; the user bears the risk on his own.

Unauthorized changes to the machine exclude any liability on the part of the manufacturer for any resulting damage.

2. General

2.1 Limitation of Liability

We do not accept any liability for damage and malfunctions caused by operating errors, non-compliance with these operating instructions or improper repairs. SEMBDNER Maschinenbau GmbH accepts no liability for damage resulting from the use of non-original spare parts and / or accessories.

2.2 Guarantee/Warranty

Warranty claims are to be made immediately after the damage has been determined, stating the purchase details. Complaints have to be confirmed by us. Wear parts are not covered by the warranty.

Guarantee/Warranty expires with:

- improper operation
- improper use
- Nonuse of original spare parts

2.3 Accident prevention regulations

The accident prevention regulations of the social insurance for agriculture, forestry and horticulture apply.

3. Transportation/Installation

3.1 Packaging

The landscaper is clamped to the transport pallet with straps and packed with a cardboard box and strapping.

3.2 Scope of Delivery

When taking over the landscaper, the completeness of the accessories must be checked. Parts that were damaged or lost in transit must be reported to the shipping company.

3.3 Measures before putting into operation

The guide beam is removed for packaging reasons. To assemble the guide beam, the wing nuts and washers must be removed from the side part of the machine, then the guide beam must be put on and tightened at the desired height with the washers and wing nuts. (Please note that the seed dibbler has to be in transport position!)

In the next step, the plug cable (jack plug 3.5mm), which is led out of the guide beam below, is connected to the controller box. Finally, the cable of the battery holder is attached to the guide beam with a cable tie and the battery is inserted.

Caution!

For secure hold, the battery must be locked in the holder using the key provided!

3.4 Operating the machine

The control lever for the seed discharge is located on the seed box.

Close = With the switch lever on the far right the seed box is closed.

Open = The seed rate is determined by the setting segment, which can be continuously regulated on the guide rail.

For opening, the regulating lever is locked into the setting segment.

Note: By pressing down the guide beam, the machine can be easily turned on the split smooth roller (the seed dibbler should be brought into transport position).

To switch on the machine, the main switch on the battery must be switched to ON;

after approx. 3 seconds the controller has started up and the machine is ready for use.

The required speed can be preselected using the setting regulator on the controller box; the machine is started by operating the drive lever on the guide beam.

After the sowing work has been completed, the power supply must be switched off at the main switch of the battery, otherwise the battery will slowly discharge.

4. Working method of the landscaper

4.1 Pre rolling

The pre roller crushes smaller clods so that the seeds do not decay too deep and the soil cover is not too high.

4.2 Sowing

Sowing is carried out using a flexible nylon brush, which is impervious to foreign particles.

The seed in the seed container is ejected from the brush shaft through an adjustable perforated plate after opening the shutter and falls onto the seed guide plate.

4.3 Raking the seed into the surface

The patented seed dibbler is powered and works float-mounted. The seed dibbler brings the seeds into the ground behind the seed outlet plate. Each single pin of the seed dibbler makes a raking movement of approx. 3 cm (rolling delay).

This works a lot more seed into the soil as the seed dibbler does not just roll over the ground.

4.4 Finish rolling

The pressure roller compresses the soil surface and embeds the seeds evenly, allowing faster germination. The contact pressure can be increased by up to 40 kg by filling the detachable, robust weight box located above the flat pressure roller with various minerals (sand, stones).

The split smooth roller offers the possibility of turning and steering the machine easily without displacing soil.

4.5 Seed filling

Before the seed is poured into the seed drill, the lawn mixtures must be mixed thoroughly again, as they may have separated or spread out on one side during the previous transport!

4.6 Setting the amount of seeds

CLOSED = With the switch lever on the far right the seed box is closed.

OPEN = The seed rate is determined by the setting segment, which can be continuously regulated on the guide rail.

For opening, the regulating lever is locked into the setting segment.

Note: After driving approx. 50 cm with the seed outlet open and with the seed dibbler in transport position the quantity of seed being sown becomes apparent.

If the amount of seed is insufficient or too much, it can be changed by using the setting segment.

(Please note that the seed dibbler has to be brought into working position after the seed rate has been determined.)

For precise calibration of the seed rate a mark has to be made on the roller; after that the seed outlet is opened, the roller is slightly raised and let run at the selected speed for 20 rotations.

The seed is collected by placing a cardboard box or a suitable container underneath, then weighed.

The amount collected corresponds to an area of 10 m² at 20 rotations (1 rotation of the grid pre-roller => 0.5 m²).

4.7 Adjusting the seed dibbler

The seed dibbler is brought into working position by pressing the bracket upwards, beyond the grid point.

By pressing the bracket down over the grid, the seed dibbler is brought into transport position.

5. Service / maintenance

5.1 Notes on maintenance

Check the function of the sowing mechanism by operating the seed discharge lever.

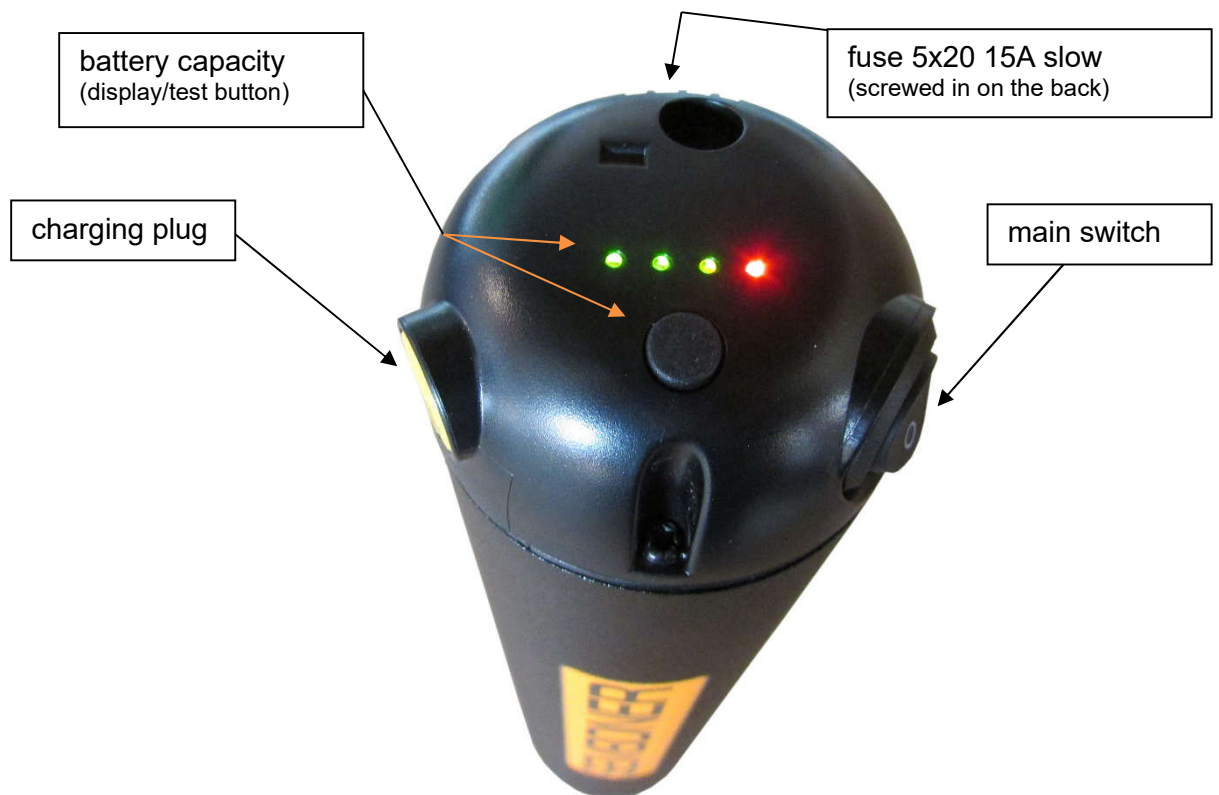
The seed container should be emptied after the procedure to ensure that the seed outlet plate can move freely.

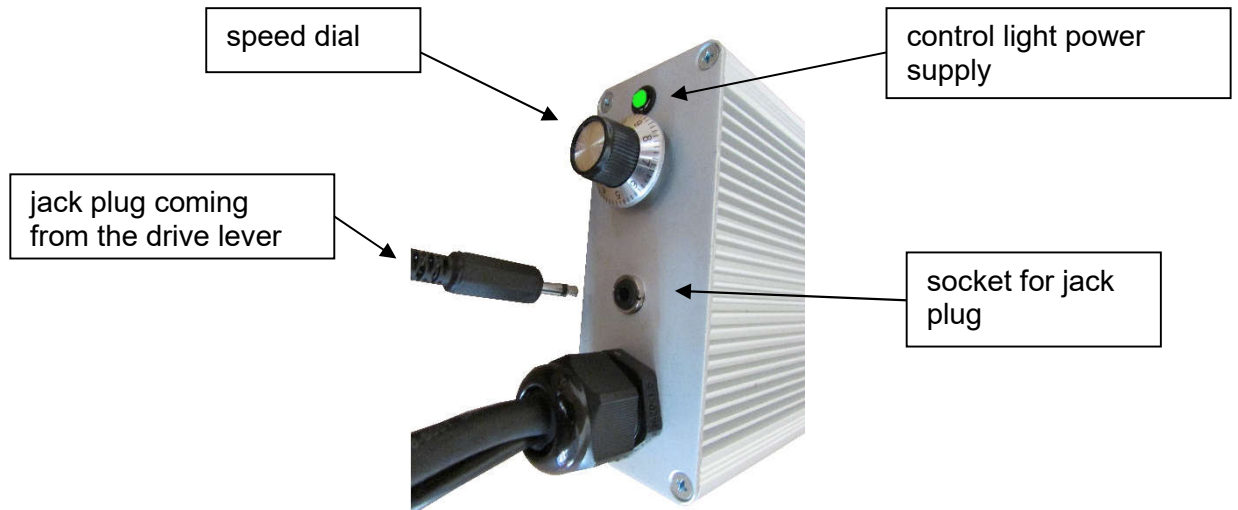
All plain bearings are self-lubricating and therefore maintenance-free!

The machine must be protected from wetness and moisture!!

5.2 Notes on the battery

- Only charge the battery with chargers approved by us.
- Only charge the battery when it is dry and at temperatures between 0 and 40 ° C.
- The battery should not be exposed to direct sunlight when charging.
- Partial charges extend battery life.
- Do not charge the battery near flammable materials.
- If the battery is to be stored for a long time, it should ideally be at approx. 60% of its capacity; the state of charge should be checked every 3 months and recharged if necessary.
- Mechanically defective batteries are not allowed to be used any longer; they must be disposed of properly (fire hazard).





5.3 Spare sparts

Only original spare parts from SEMBDNER may be used, otherwise the guarantee claims will expire.

5.4 Customer Service

Our specialist staff and our resellers, agricultural machinery dealers and motorists are at your disposal for all technical information.

Authorized country representatives and workshops are available to our international customers. If necessary, please contact the manufacturer, who will be happy to help you.

5.5 Troubleshooting and rectification

Always have a specialist workshop rectify faults in the landscaper which require major intervention. Improper repairs can cause major damage.

Error	Possible cause/remedy
Machine does not run	check battery charge level
	proper fit of the battery in the holder
	secure battery in the holder with the key
	check fuse in battery (15A 250V slow 5x20mm)
	check all plug connections (jack plug <=> controller box <=> engine)
Machine runs backwards	after switching on the power supply, allow the machine/controller to start up for approx. 3 seconds before the drive switch is operated
Seed dibbler/brush roller does not turn	check chains, tightness of the chain pinion on the shaft: if necessary, retighten the fastening screws of the chain pinion on the shaft

6 Declaration of conformity

Declaration of conformity

in accordance with the EG Directive

**Firma Sembdner Maschinenbau GmbH
Liebigstr. 16
82256 Fürstenfeldbruck**

herewith declares that the product

Landscaper RS 50 E Electric Drive

to which this declaration relates, is in conformity with
the relevant safety and health provisions stipulated by EG Directive 2006 / 42 / EG

Fürstenfeldbruck, Sept. 09, 2020



Peter Schwarzmann

Executive Partner