

# Operation Manual

## Sembdner Manual Roller

### HR 60 E Electric Drive



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Subject to technical changes; errors excepted - as of 09/2021

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# 1. Technical Data

## 1.1 Machine characteristics

### Technical Data

### HR 60 E Electric Drive

working width net. Weight	60 cm approx. 61 kg empty weight, fillable up to approx. 145 kg
l/w/h	1292/700/356 mm
battery 36V	Li-Ion 36V 7Ah
drive power	0,3 kW
smooth roller diameter	35 cm
grid roller diameter	35,5 cm
area performance per charge	approx. 1500 m <sup>2</sup>

## 1.2 Type Label



## 1.3 Intended Use

The hand roller is only suitable for its intended use, see Chapter 4.

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. Safety Instructions**

- The roller must always be secured against rolling away accidentally.
- During maintenance and assembly work, the battery has to be removed to prevent unintentional start-up of the roller
- The battery may only be charged under supervision.

# **4. Installation**

## **4.1 Scope of Delivery**

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

## **4.2 Measures before putting into operation**

In order to operate the roller motor, the battery must be charged.

## **Caution!**

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

## 5. Operation

The manual roller HR 60 E Electric Drive is suitable for all types of rolling work.

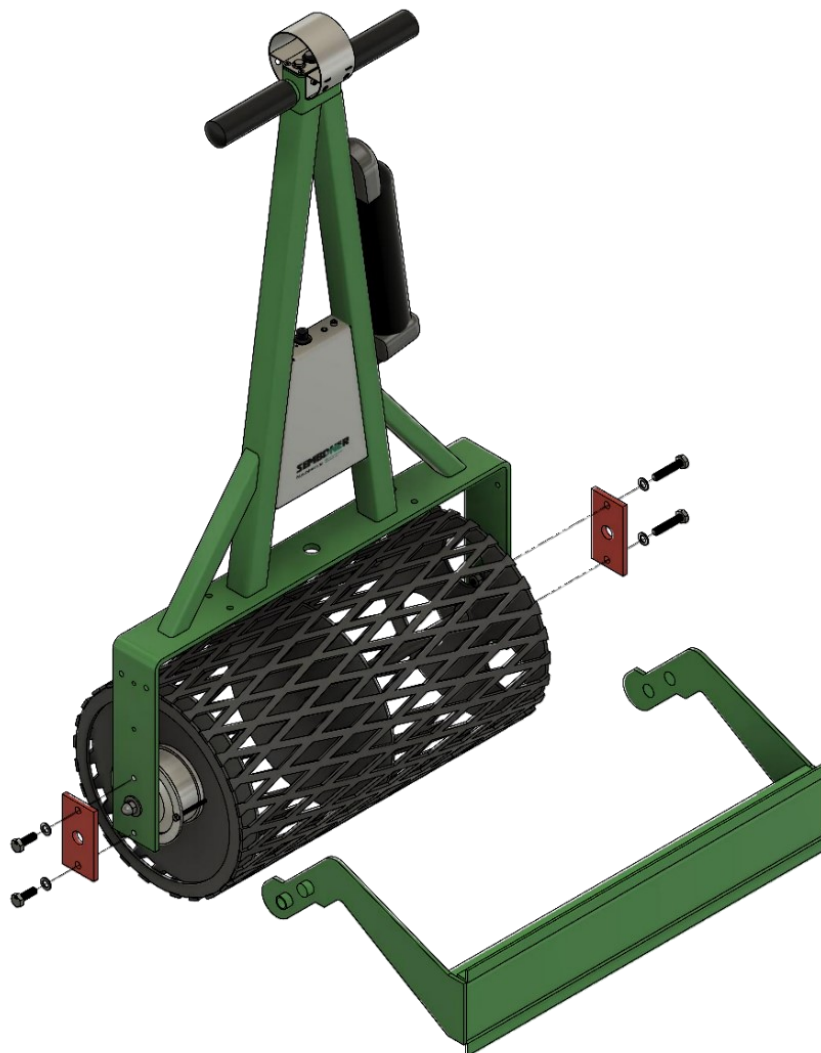
### 5.1 Adjusting the weight of the smooth roller

The weight of the smooth roller can be adjusted to requirements, depending on the nature of the soil, by filling the roller body with water or sand up to a maximum weight of about 145 kg (including filling and balance weight).

### 5.2 Accessory frame for GSD vegetable seeding machines

The manual roller HR 60 E Electric Drive can be equipped with an accessory frame for up to 3 GSD vegetable seeding machines (the balance weight cannot be installed then.)

#### Installation:



**5.3 Balance Weight**

To make handling easier, a balance weight can be attached to stabilize the roller (it is not possible to install the accessory frame for GSD then). The balance weight can be swivelled via the additional holes and thus, depending on the filling of the roller, contributes to balanced and therefore body-friendly work.

**Installation:**

Step 1



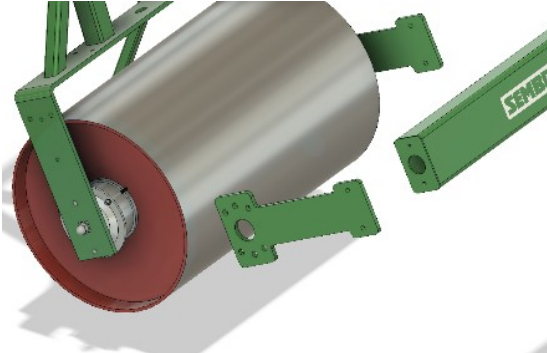
Step 2



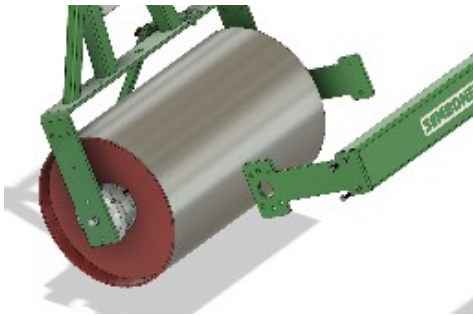
Step 3



Step 4



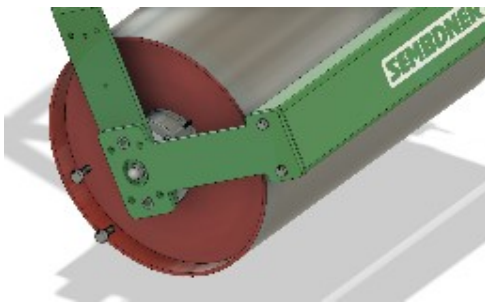
Step 5



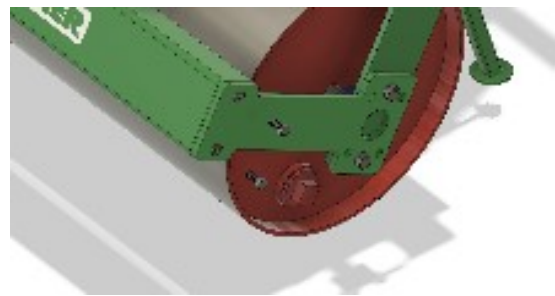
Step 6



Step 7



Step 8



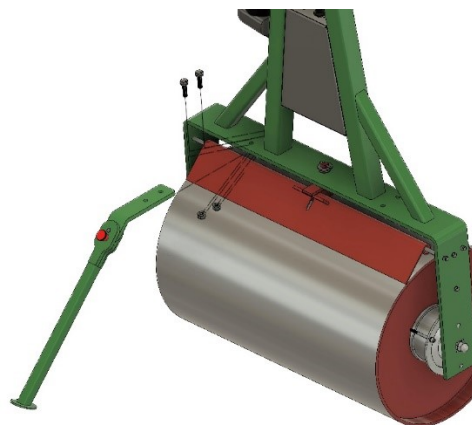
The balance weight can also be used as a roller stand:



#### 5.4 Roller stand

The roller can be safely parked with the help of the foldable roller stand.

**Montage:**

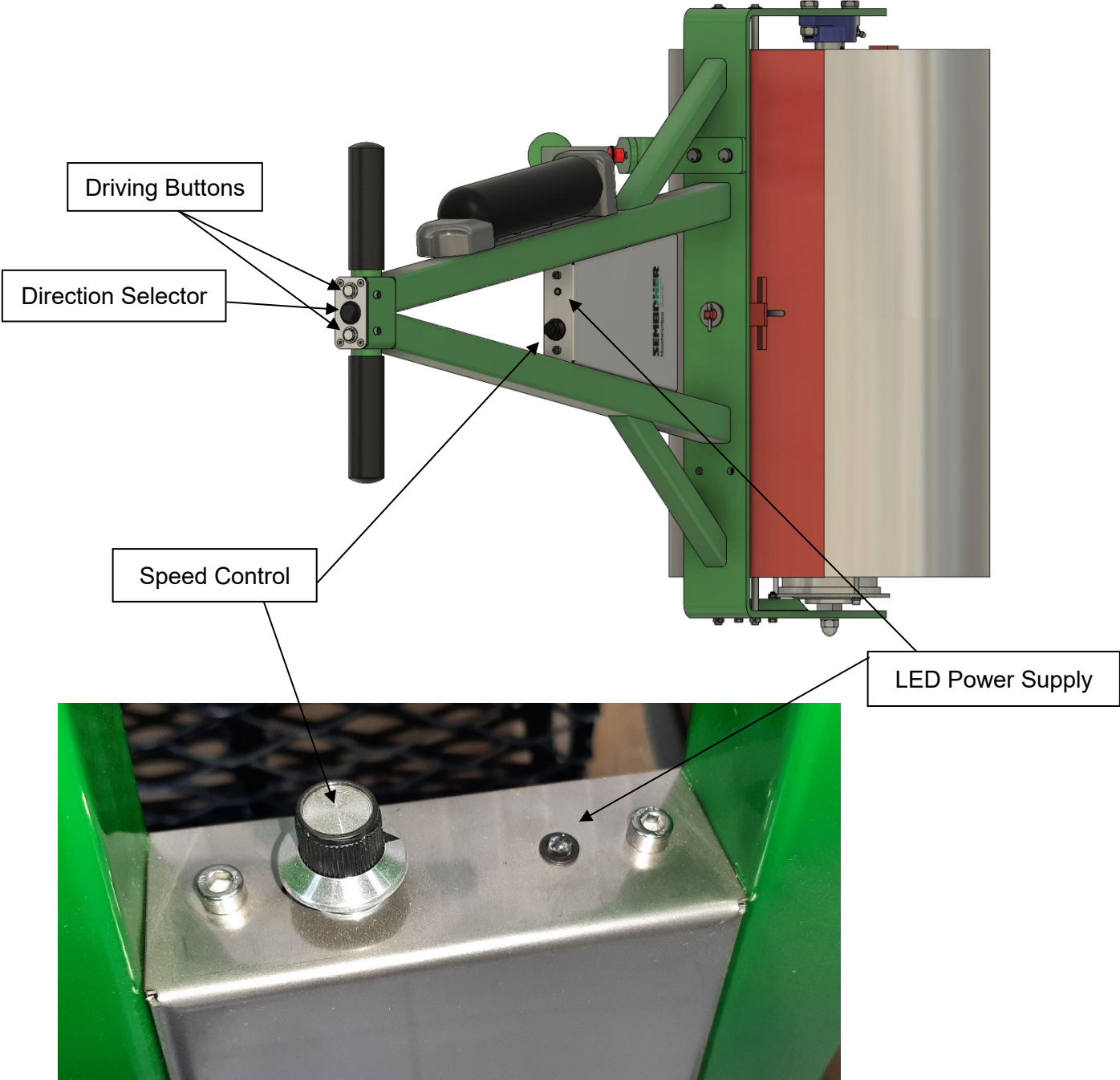




**5.5 Operation of the controller**

To switch on the machine, the main switch of the battery must be switched to **ON**.

The required speed can be preselected by means of the control knob located on the controller box; the position of the direction selector switch determines the direction of travel. The machine is put into operation by actuating the driving buttons on the tie bar.



**CAUTION:** After finishing the rolling work, the power supply must be switched off at the main switch of the accumulator, otherwise the accumulator will be slowly discharged.

## 6. Service / Maintenance

### 6.1 Notes on maintenance

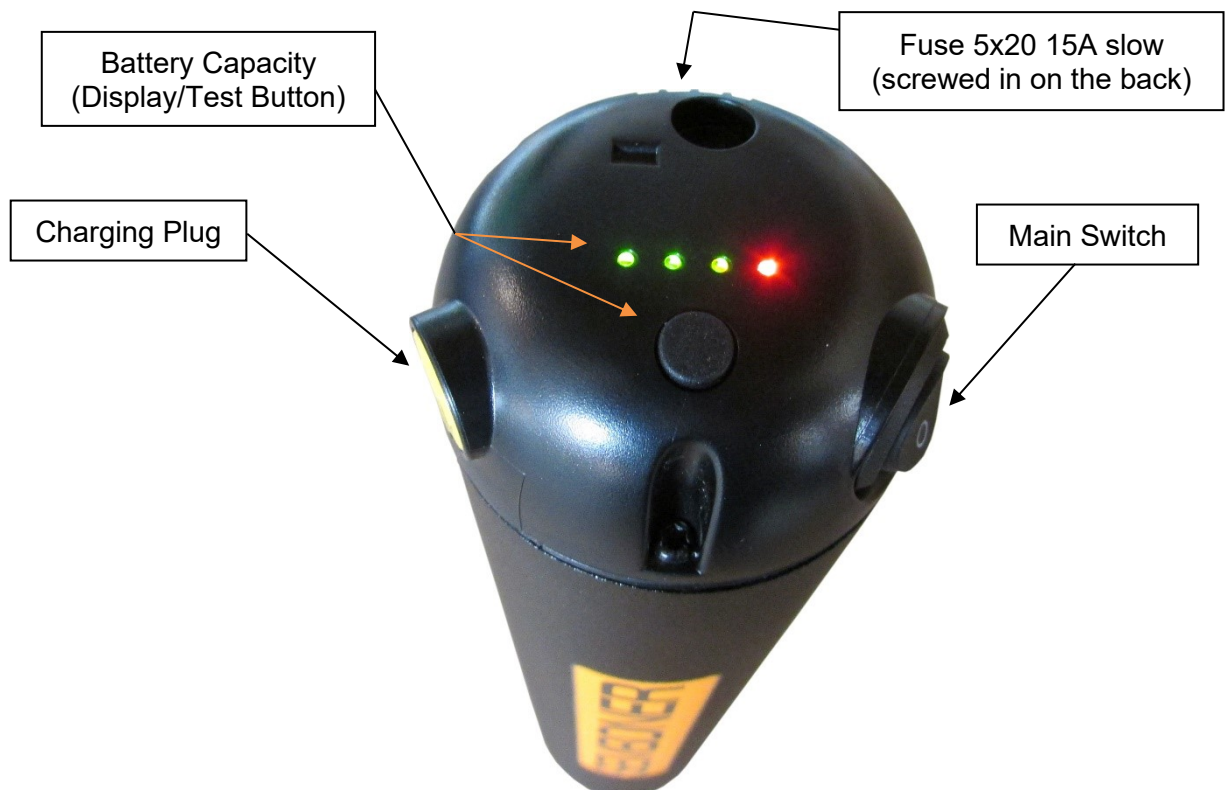
The motor itself is maintenance-free; however, it is recommended that the cap nut of the motor be secured with medium-strength liquid threadlocker for a tight fit.

The ball bearing opposite the motor should be lubricated regularly (at least once a year or according to the intensity of use).

**The machine must be protected from moisture and humidity!**

### 6.2 Notes on the battery

- Only charge the battery with chargers approved by us.
- Only charge the battery under supervision.
- 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).



### 6.3 Spare Parts

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

### 6.4 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.

### 6.5 Troubleshooting and rectification

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

Service and repair can also be carried out directly by the manufacturer

Error	Possible cause/remedy
Engine is not running	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 plug connection (controller box <=> engine)
Motor gets hot	Motor overloaded, perhaps the roller is filled too heavily
Roller is running in the wrong direction	check direction selector switch
Roller runs too slowly / too fast	check speed setting

### 6.6 Instructions for filling the roller!!!

- 1) Depending on the application, the roller may only be partially filled, otherwise the motor may be overloaded.
  - Firm, level ground (e.g. tennis court) roller can be completely filled.
  - Soft ground or slope in the terrain, depending on the load, partially or completely filled with water
- 2) **When using with filling, please always check the motor temperature after a few minutes of nominal operation and during work; this should not be above 50°C.**
- 3) Keep frost free when filling with water or add antifreeze.

(When filling with sand, no partial filling, otherwise the motor will be overloaded. The roller body must be filled in the upright position and filled up to the stop by shaking/knocking.)

## 7. Declaration of conformity

# Declaration of conformity

in accordance with the EG Directive

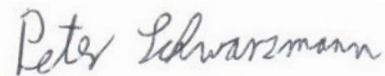
**Firma Sembdner Maschinenbau GmbH  
Liebigstr. 16  
82256 Fürstenfeldbruck**

herewith declares that the product

**Manual Roller HR 60 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, Oct. 01, 2021



**Peter Schwarzmann**

**Executive Partner**