



BEE SWEEPER

(Electric device to sweep off bees)

INSTRUCTION MANUAL



Ing. Aleš Oharek
Špitálská 738
684 01 Slavkov u Brna
Czech Republic



+420 776 181 982
+420 606 689 367



www.oharkovi.cz



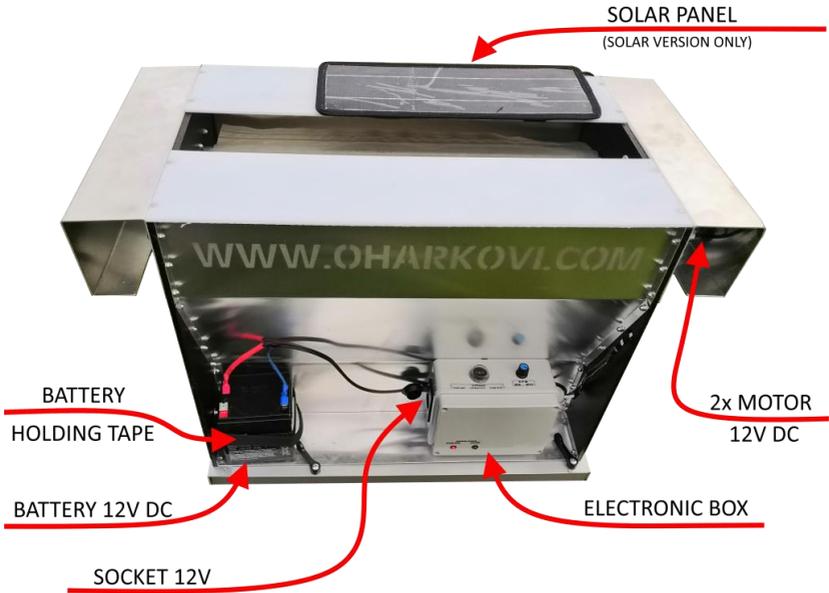
info@oharkovi.cz

What you need

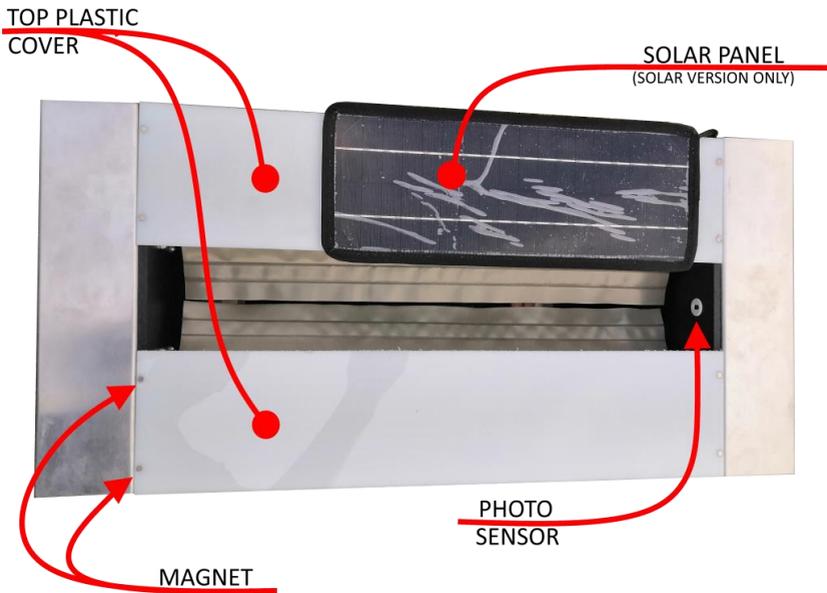
- Adequate battery - recommended capacity 4.5 Ah - 12V DC (not included)
- Bottom box into which the bees fall (not part of the device, can be purchased separately or you can use your own box)
- Connecting cable to the car lighter (length 5m) - only in case of power supply of the BEE SWEEPER from the car or another 12V source.

Safety instructions

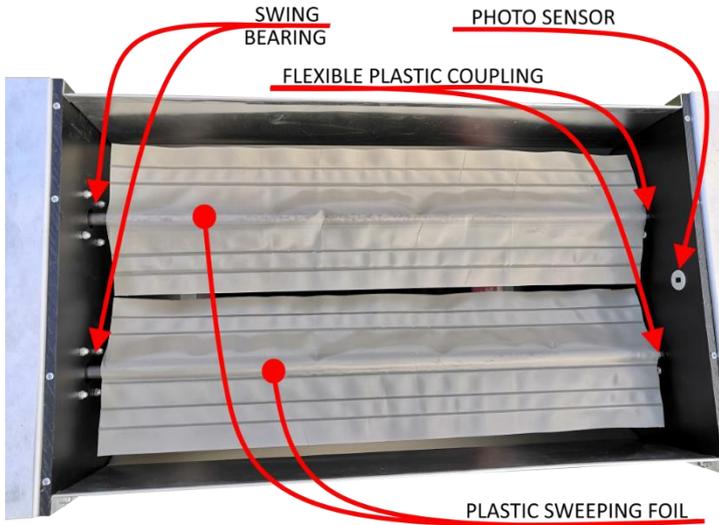
- This device may only be operated by an adult.
- If persons operating this device have long hair, they must wear a head cover (scarf, hat) or have their hair tied up with hairpins. Failure to follow this instruction may result in hair wrapping around the device.



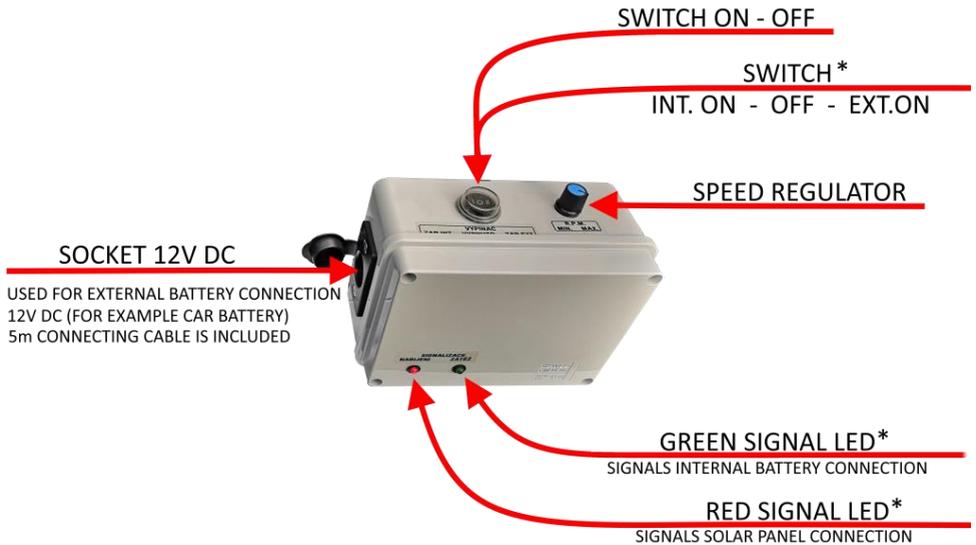
Picture 1 Overall view



Picture 2 Top view



Picture 3 Top view without plastic covers



Picture 4 Electronic box

* SOLAR VERSION ONLY

Operating instructions

1. Check the battery voltage before using the device.
2. Turn the switch to the ON position. In the case of the solar version of the device, turn the switch to the position according to the type of selected power source:
INT. ON – internal battery
EXT. ON – external battery
3. After turning on the power, the device spins and after about 3 seconds it stops and waits for the insertion of a honey frame with bees. (If the device does not spin on its own for 3 seconds, check the battery voltage or connect an external battery. Next, check the speed setting so that the setting is not in the min. Check the cleanliness of the photo sensor.)
4. When inserting the honey frame into the device, point the frame to the right side of the device with the photo sensor.
5. Adjust the speed of the appliance so that the plastic sweeping foil does not damage the bees. Speed control is in the range of 0 to 650 rpm.

After finishing work

1. Clean the sweeping foil and the inner surface of the BEE SWEEPER with a damp cloth soaked in warm water.
2. Check the cleanliness of the photosensor - wipe it with a cloth.
3. At the end of the season, disconnect the battery from the sweeper before storing the device in the storage compartments.
4. In case of wear or damage of the sweeping foils, they can be replaced, see below.

Replacement of sweeping foils

1. Replacement sweeping foils can be ordered directly from the manufacturer, see www.oharkovi.cz
2. Remove the plastic coupling by applying slight pressure in the axis towards the pivot bearing. It will be disconnected from the motor.

3. To remove the plastic coupling, use a flat-blade screwdriver, rest it on the wall of the BEE SWEEPER and push it slightly away from the motor, see picture 5.



Picture 1 Replacement of sweeping foils

4. Remove the shaft with the sweeping foil facing upwards. The pivot bearing allows the shaft to be deflected in all directions by 20 ° from the horizontal axis.
5. Remove the old sweeping foil from the shaft.
6. Apply new sweeping foil to the shaft.
7. Insert one end of the shaft with the sweeping foil into the pivot bearing. ATTENTION! When inserting, make sure that the pivot bearing and the shaft are in line.
8. Slide the flexible plastic coupling onto the shaft with the sweeping foil - only up to ½ its length. Slide the remaining ½ onto the motor shaft.
9. Replacement flexible plastic coupling can be ordered directly from the manufacturer, see www.oharkovi.cz

Technical parameters

- DIMENSION (LxHxW): 64x40x30cm (enlarged version 74x40x30cm)
- INNER LENGTH: 48cm (enlarged version 58cm)
- WEIGHT 5,5 kg (without battery), 7kg (with battery)
- LENGHT OF BRUSH: 46,5cm
- DETECTION SYSTEM: infra sensor with 7cm distance
- RPM: maximum 650 (regulated with potentiometer – PWM 0-100%)
- POWER SOURCE: battery 12V (4,5Ah) or 12V (car cigarette socket with included 10A fuse)
- CABLE LENGTH: 5m
- MATERIAL: plast with UV stabilization, aluminium sheet

Package contents

- 1x BEE SWEEPER - electric device to sweep off bees
- 1x 5m cable for connecting an external battery
- 1x solar panel (only version with solar charging)
- 2x plastic cover of BEE SWEEPER
- 1x bottom box (optional accessory)
- 1x battery 12V 4.5 Ah (only for EU countries)