

Translation of the original Operating Instructions

 **WARNING**

- This unit can be used by children aged 8 and above and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed on how to use the unit in a safe way and they understand the hazards involved.
- Do not allow children to play with the unit.
- Only allow children to carry out cleaning and user maintenance under supervision.
- Do not use the unit if electrical cables or housings are damaged.
- Only connect the unit if the electrical data of the unit and the power supply correspond. The unit data is to be found on the unit type plate, on the packaging or in this manual.
- Disconnect the power plug before carrying out any work on the unit.

SAFETY INFORMATION

- Never operate the unit if the housing is defective!
- Only open the unit housing or its attendant components if this is explicitly specified in the operating instructions.
- Only carry out work on the unit that is described in this manual. If problems cannot be overcome, please contact an authorised customer service point or, if in doubt, the manufacturer.
- Only use original spare parts and accessories for the unit.
- Never carry out technical changes to the unit.
- Protect the plug connection from moisture.
- Only connect the unit to a correctly fitted socket.

Symbols used in these instructions

Warnings

The warning information is categorised by signal words, which indicate the extent of the hazard.

 **WARNING**

- Indicates a possibly hazardous situation.
- Non-observance may lead to death or serious injuries.

 **CAUTION**

- Indicates a possibly hazardous situation.
- Non-observance may lead to slight or minor injuries.

 **NOTE**

Information for the purpose of clarification or for preventing possible damage to assets or to the environment.

Additional information

- A Reference to a figure, e.g. Fig. A.
- Reference to another section.

SCOPE OF DELIVERY

- Check that the contents are correct, complete and undamaged.



NOTE

- Carefully unpack the unit.
- Do not lift the unit by its cover.

How to proceed:

B

1. Pull out the corner columns.
 - Accessories are located inside the corner columns.
2. Hold the container with both hands, one on each side and lift it out.

<input type="checkbox"/> A	biOrb AIR 60
1	biOrb AIR 60 Container with cover
2	Water level cleaner
3	Spray attachment
4	Bottle with HumidiMist
5	Plug-in power pack with mains connection adapters
6	Capillary matting
7	Coir compost
8	Substrate support tray
9	Heater cable access duct & rubber stopper
10	Operating instructions

PRODUCT DESCRIPTION



WARNING

Danger of suffocation.
Keep plastic bags and small parts out of reach of babies and young children.

Intended use

biOrb AIR 60 may only be used as follows:

- As Terrarium (mini ecosystem for plants).

The supplied components may only be used for the biOrb products as specified in the following:

- **Automatic misting unit:** For generating humidity in the biOrb AIR 60.
- **Plug-in power pack:** For connecting the automatic misting unit and lighting unit to the mains.
 - By replacing the adapter, the plug-in power pack can be adapted to the existing socket and electrical voltage.

Function description

Terrarium with LED lighting, sensor-controlled automatic misting unit for humidifying the introduced plants, fan and filter cartridge for cleaning the air.

INSTALLATION AND CONNECTION

Setting up the container

How to proceed:

- Do not expose to direct sunlight.
- For indoor use only.
- Do not move the terrarium when it is filled.
- Do not place on or near electrical devices.
- Do not place on or near heat sources.
- Operate in accordance with instructions.

Removing/inserting the automatic misting unit

How to proceed:

C

1. Open the biOrb AIR 60 container cover.
2. Disconnect the plug from the cover ring.
3. Remove the container of the automatic misting unit.
4. Reinsert the automatic misting unit and insert the plug.

Installing the substrate support tray

Prerequisite

- The automatic misting unit has been removed.

How to proceed:

D

1. Place both parts of the substrate support tray with the flat sides on top of each other and push the hinges together until they engage with a click.
2. Fold open the substrate support tray and place the capillary matting inside it.
 - Ensure that the opening in the centre of the matting aligns with the opening in the substrate support tray.
3. Use the loops to fasten the matting on the rear of the support tray.
4. Fold up the support tray together with the matting and insert it in the container.
5. Fold open the support tray with the matting again.
6. Fit the substrate support tray over the access duct in the middle of the container.
7. Seal off the access duct with the rubber stopper.

Planting up the biOrb air

Prerequisite

- The automatic misting unit has been removed.

Preparing the coir compost

How to proceed:

E

1. Place the piece of coir compost in approx. 3 litres of water and leave it there for approx. 30 minutes until the coir compost has absorbed all the water.
2. Break up the coir compost and uniformly distribute it on the capillary matting.

Planting up the coir compost

A high, medium or low plant density can be planted on the compost.

How to proceed:

F

1. Add plants to the coir compost.
2. Carefully (taking care not to scratch the acrylic glass!) pour half a litre of water inside the bottom part of the Acrylic globe and around the edge of the coir substrate until the water reaches the intended height on the water level indicator.
3. Check and, if necessary, top up the water to the intended height after 24 h.

COMMISSIONING/START-UP

Filling the automatic misting unit



NOTE

- Use the supplied HumidiMist only. It is ph neutral, and free of calcium and mineral compounds.
- Using different agents may lead to staining of the acrylic glass or a reduction of its transparency.

Prerequisite

- biOrb AIR 60 lid is open.

How to proceed:

G

1. Remove the cover from the misting reservoir.
2. Carefully top up HumidiMist until you reach the top of the overflow pipe.
 - Ensure that the plug of the automatic misting unit remains dry.
3. Replace the cover of the misting reservoir.
4. Close the biOrb AIR 60 lid.

Inserting/changing the mains connection adapters

How to proceed:

H

1. Insert the mains connection adapter suitable for the socket into the guide socket of the plug-in power pack until the adapter engages audibly with a click.
2. Changing the mains connection adapter: Press the locking button and simultaneously push the adapter out of the guide socket.
3. Insert a different mains connection adapter.

Switching ON/OFF

When it is first switched on,

- the lighting lights up and reaches max. brightness in 15 s. The 24 hour rhythm has to be started separately (→ Operation),
- the fan starts at medium speed,
- the AIR will mist automatically and as required to maintain a medium humidity level. You can also manually mist, by briefly pressing the adjustment button at any time.

Each of these automatic settings can be changed. (→ Operation).

How to proceed:

I

1. Insert the the plug into the cover ring.
2. **Switching on:** Insert the plug-in power pack into the socket.
3. Ensure that the cable forms a drip loop.
 - The automatic misting unit and the fan will switch on immediately.
4. **Switching off:** Disconnect the plug-in power pack.

OPERATION

The combination of the sensor-controlled automatic misting unit and the fan ensures suitable humidification of the plants and can be adjusted according to the plant density.

<input type="checkbox"/> J	Plant density
①	Low
②	Medium
③	High

Prerequisite

- The power supply is connected.

Messages/displays

When the lights flash as shown below, this indicates the following conditions.

- Once per hour, the lighting switches from light to dark: HumidiMist needs to be topped up.
- The lighting flashes continuously. The automatic misting unit is not functioning, the plug of the humidification unit is not correctly inserted.

Adjusting the 24h cycle

K

How to proceed:

1. biOrb AIR 60 Close the container cover, then press and hold the adjustment button for approx. 3 s.
 - The lighting starts in a 24 hour cycle. Each cycle starts with a continuous lighting increase (30 min) and ends with a continuous lighting reduction (30 min).
 - The setting is confirmed by a brief change in the lighting (reduction and increase).
2. To change the starting time press and hold the adjustment button depressed at the desired starting time for approx. 3 s.

Setting the automatic misting unit

The humidification volume can be varied depending on the type of plant.

Recommendation:

- Low amount of plants: low humidification
- Medium amount of plants: medium humidification
- High amount of plants: high humidification

How to proceed:

K

1. Open the biOrb AIR 60 container cover.
 - The setting process is activated.
2. Briefly press adjustment button 1 ×.
 - The current setting is signalled by the lighting flashing.
3. To change the humidification amount briefly press the adjustment button 1 ×.
 - The setting is signalled by the lighting flashing.
4. Close the container cover.
 - The setting is saved.

Humidification volume	Lighting flashes
Low	1 ×
Medium	2 ×
High	3 ×

Setting the fan speed

The fan speed can vary depending on the type of plant.

Recommendation:

- Low amount of plants: low speed
- Medium amount of plants: medium speed
- High amount of plants: high speed

How to proceed:

K

1. Open the biOrb AIR 60 container cover.
 - The setting process is activated.
2. Press and hold the adjustment button until the lighting is extinguished, then briefly press the adjustment button 1 ×.
 - The adjustment is signalled by the lighting flashing.
3. To change the fan speed briefly press the adjustment button 1 ×.
 - The adjustment is signalled by the lighting flashing.
4. Close the container cover.
 - The setting is saved.

Fan speed	Lighting flashes
Low	1 ×
Medium	2 ×
High	3 ×

MAINTENANCE AND CLEANING

Area	Tasks to be carried out
Water	Check the water level 1 × once per week. (→ Planting up the coir compost)
Filter cartridges	Replace every 3 months. (→ Changing the filter cartridge)
Automatic misting unit	Top up the humidistat when the lighting signals that this is necessary. (→ Messages/displays)
Cleaning the tank	As required.

Changing the filter cartridge

How to proceed:

L

1. Remove the cover of the filter cartridge.
2. Remove the used filter cartridge.
3. Insert a new filter cartridge.

Cleaning



NOTE

To ensure that the acrylic remains transparent and is not scratched:

- Do not use household cleaning agents. Clean as described below.
- Only use micro-fibre cloths.

OASE recommends: OASE biOrb high-gloss polish & micro-fibre cloth (46033).

How to proceed:

1. Wipe the container cover and outside of the cover ring with a damp cloth.
2. Screw the spray attachment onto one of the HumidiMist bottles.
3. Spray the inside of the container with HumidiMist. The spray attachment sprays in any position.
4. Use a cleaning cloth to clean the inside of the container.

Cleaning the water level indicator

How to proceed:

M

1. Pull off the hose of the water level indicator.
2. Fit the water level cleaner onto the hose.
3. Squeeze the water level cleaner.
4. Refit the hose.

Removing the cover

The cover is fastened to the container by a bayonet catch.

- Disconnect the plug of the power supply if necessary.
- Remove the container of the automatic misting unit. (→ Removing/inserting the automatic misting unit)

How to proceed:

N

1. Turn the cover counter-clockwise as far as the stop.
2. Remove the cover.

Fitting the cover

Prerequisite

- The automatic misting unit has been removed.

How to proceed:

O

1. Place the cover on the container and open the cover.
2. Turn the cover until the grooves in the cover are located in the recesses at the edge of the container.
3. Turn the cover clockwise up to the stop.

DISPOSAL



NOTE

This unit contains electronic components - do not dispose of this unit with domestic waste!

- Render the unit unusable by cutting off the cables.
- Dispose of the unit by using the return system provided for this purpose.

GUARANTEE

For this OASE unit purchased by you, OASE GmbH assumes a **24 month manufacturer's guarantee in accordance with the guarantee conditions laid down in the following**. The guarantee period starts with the first purchase from an OASE specialist dealer. In other words, in the event of a resale, the guarantee period will not start again. If services are provided under the terms of this guarantee, this does not lead to extension or renewal of the guarantee period. Your legal rights as a purchaser, especially those ensuing from the warranty, persist. They are not restricted by this guarantee.

Guarantee conditions

OASE GmbH guarantees impeccable, purpose-related properties and workmanship, expert assembly and proper functionality. Subject to our discretion, the guarantee refers to free-of-charge repair or free-of-charge supply of spare parts or of a replacement unit respectively. Should the unit type concerned no longer be manufactured, we reserve the right, at our discretion, to supply a replacement unit from our range that is closest to the type subject to complaint. Claims, the origin of which can be traced back to installation and operating faults as well as lack of care, e.g. the use of unsuitable cleaning materials or negligent maintenance, use other than that intended, damage due to accidents, falls, impact, effect of frost, cutting plugs,

shortening cables, calcium deposits or improper attempts to repair the unit, are not covered by our guarantee. We hereby refer to the proper use as specified in the instructions of use that form an integral part of the guarantee. Wear parts such as bulbs etc. are exempted from the guarantee.

The refund of costs for removal and installation, checks, claims for lost profit and damages are exempted from the guarantee together with further reaching claims for damages and loss of whatever nature caused by the unit or its use.

The guarantee is only valid in the country in which the unit was purchased from an OASE dealer. This guarantee is governed by German law under the exclusion of the agreement of the United Nations covering contracts governing the international sale of goods (CISG) regulations.

Guarantee claims can only be brought forward by presenting the sales receipt to us, OASE GmbH, Tecklenburger Straße 161 in D-48477 Hörstel, Germany by returning to us the unit or part of the unit subject to complaint, freight free, at your own risk, accompanied by a copy of the original purchase receipt from the OASE specialist dealer, this guarantee document and written information of the fault encountered.

The guarantee will become null and void if the serial number is removed or the planetarium is dismantled.

SPARE PARTS

The use of original parts from OASE ensures continued safe and reliable operation of the unit. Please visit our website for spare parts drawings and spare parts.



www.oase-livingwater.com/spareparts-ia