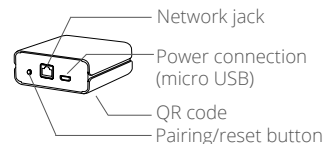


## Operating Instructions Cube and overall system

### Overview



### Package contents

- Cube
- Ethernet cable
- USB 1 A power supply
- Micro USB cable
- Magnet

### Function

The cube is the central control unit of the MIYO irrigation system. It establishes the wireless network, collects the data locally, controls the irrigation and connects the system to the Internet, smartphones and smart home systems. One cube can manage multiple irrigation areas (multiple valves and sensors).

### Warnings

- ⚠ Do not immerse the cube in water.
- ⚠ Do not use force to open the cube.
- ⚠ Only for indoor use.

### Installation

#### Requirements

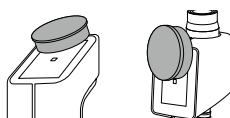
- LAN connection with Internet access
- 230 V power socket
- Water line and garden hose, each with a standard hose connection
- Smart home system (optional)

#### Setting up the system

1. Set up the cube indoors in a dry location.
2. Connect the Ethernet cable to the cube.
3. Connect the micro USB cable to the cube.
4. Download and install the MIYO app on your smartphone or PC.
5. Set up the user. Briefly press the pairing/reset button on the cube and connect the cube using the app.
6. Connect the valve and sensor to the cube wirelessly (see next steps).
7. Follow the instructions in the app.

#### Connecting the valve and sensor to the cube wirelessly

1. Hold the magnet at the middle of the top edge of the solar cell of the sensor or valve for 2-3 seconds. The LED on the unit starts flashing.



2. Add the sensor or valve to the system in the app.
3. Repeat the last two steps until all units are connected to the cube.

#### Positioning the valve and sensor

1. Connect the valve to the closed tap and the garden hose.
2. Dig a hole for the sensor (at least 13 cm deep).
3. Hold the sensor in the hole so that the bottom edge of the white housing is at ground level.
4. Carefully press some soil against the tip of the sensor.
  - ⚠ Ensure that the measuring surface has direct contact to the soil.
5. Open the water supply for the garden.

### Operation

To configure irrigation areas and time frames, follow the instructions in the app.

- ⚠ The irrigation area is in pause mode until it is enabled in the app.

- ⚠ After the initial irrigation passes, check to see if the results meet your expectations. If not, adjust the values accordingly.

### Maintenance

- If no permanent Internet connection is possible, connect the cube to the Internet at least once per year for one week to install updates.
- Check the result of irrigation and adjust the settings if necessary.
- Check whether the connections are free of leaks.
- Clean the solar cells and housing using a damp cloth if necessary.

### Disabling before winter

1. Turn off the water supply for the garden.
2. Remove the valve.
3. Enable winter mode in the app for each irrigation area.
  - ⚠ This opens each of the valves.
4. Carefully pull the sensor out of the soil.
5. Store the valve and sensor in a dry place at -5 °C to 50 °C.
6. Disconnect the cube from the power supply if necessary—all settings are stored locally, even without a power supply.

### Activation in spring

1. Reconnect the cube if necessary (see Installation).
2. Exit winter mode in the app.
3. Exit winter mode on the valve and sensor. Hold the magnet at the middle of the top edge of the solar cell of the sensor or valve for 1 second.
4. Open the water supply for the garden.

### Integration into smart home systems

The smart home system manufacturer is responsible for ensuring compatibility with the MIYO irrigation system. The MIYO irrigation system can be connected to a smart home system only if it is supported by that system. For detailed information, refer to the Technical Information and [www.miyogarden.com/smart-home](http://www.miyogarden.com/smart-home)

### Reset

To reset the cube to the factory defaults, press the pairing/reset button for at least 10 seconds.

### Troubleshooting

Magnet no longer available	<ul style="list-style-type: none"> <li>• Use any commercially available whiteboard magnet</li> </ul>
Sensor or valve is not detected	<ul style="list-style-type: none"> <li>• Reduce the distance to the cube</li> <li>• Unit or cube is in shade. Select a different location for the cube, valve or sensor.</li> <li>• Put into direct sunlight for 30 minutes.</li> </ul>

### Customer service

You can find information on our customer service at [www.miyogarden.com/service](http://www.miyogarden.com/service)

### Technical data

Power supply	100-240 V 50/60 Hz
Power draw	max. 2 W
Operating temperature	4 °C to 50 °C
Storage temperature	-5 °C to 50 °C
Resistance to water	Splashproof
Max. number of connected units	255
LAN connection	RJ-45
Wireless frequency	Europe: 863-870 MHz Outside Europe (excluding China): 915-921 MHz
Transmitting power	max. 25 mW
Range (open area)	350 m
Updates	Automatic over the Internet

### Disposal



Do not dispose of old devices in household waste, but rather return them to a collection point.

We recommend checking whether the specifications listed in this publication are suitable for your intended technical solution. The application and use of our products take place outside of our potential for control and are therefore exclusively within your scope of responsibility. Therefore, in each case, our warranty refers to the consistent quality of our products corresponding to our specification. Should any liability claims arise, the value of any damages shall be limited to the value of the goods delivered by us and used by you. In the interest of continuous production improvement, we reserve the right to make changes to design and production.