



smart system



en



en **Operator's manual**
smart Gateway

GARDENA smart Gateway

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Translation of the original instructions.



For safety reasons, children and young people under 16 as well as anyone who is not familiar with these operating instructions should not use the product. Persons with reduced physical or mental abilities may use the product only if they are supervised or instructed by a responsible person. Children must be supervised to ensure that they do not play with the product. Never operate the product when you are tired, ill or under the influence of alcohol, drugs or medicine.

Intended use:

The **GARDENA smart Gateway** is intended for private use in domestic and hobby gardens for automatic control of smart system products by the **GARDENA smart App**.

The **GARDENA smart Gateway** is controlled and operated by the **GARDENA smart App**.

1. SAFETY WARNINGS

IMPORTANT!

Read the operator's manual carefully before use and keep for future reference.



DANGER! Risk of suffocation!

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers.

- Keep toddlers away when you assemble the product.

Do not open the product.

Only use the product with the included accessories.

Protect the power supply unit from moisture when connected.

The product can be used in the temperature range 0 °C to +40 °C.

Don't use cables – connecting the products to external/outdoor interfaces.

Short Range Device Antennas and Wi-Fi Antenna are installed in the product.

Power over Ethernet is not possible.



DANGER! Risk of cardiac arrest!

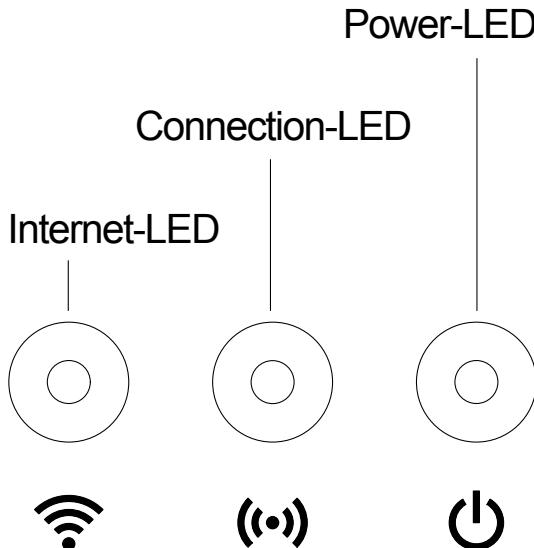
This product generates an electromagnetic field while it operates.

This electromagnetic field may affect the functionality of active or passive medical implants (e.g. pacemakers), which may result in serious injury or death.

- Consult your doctor and the manufacturer of your implant before using this product.
- After using the product, disconnect the mains plug from the mains socket.

2. FUNCTION

LED-Display:



Internet LED:

Green:

Connected with router and server

Yellow:

Hotspot mode – not connected with router

Red:

Not connected

Red flashing:

Connected with router; not connected with server



Connection LED:

Green flashing:

Receiving data

Yellow flashing:

Sending data



Power LED:

Green:

Power On

Green flashing:

Booting

Yellow:

1. Factory reset running

2. Error (restart required)

Yellow flashing:

Software update

Red:

Fatal error (restart required)

3. INITIAL OPERATION

Contents:

- smart Gateway
- Power supply unit
- Ethernet-cable

To update the firmware of the smart Gateway:

An Internet connection is required for installation of the gateway. To be able to use all functions of the gateway we recommend to update the firmware.



1. Connect the power supply unit to a mains socket.
2. Connect the power supply cable to the plug socket ④ of the gateway.
3. Connect the gateway with the provided network cable to your router.
The software for your gateway is now being updated. This process can take up to 15 minutes (depending on your Internet connection). Once the Internet-LED and the Power LED permanently illuminate green, the gateway is up to date.
The gateway can now be included in the smart App. You can continue to use the LAN cable for this or include it now via WLAN.

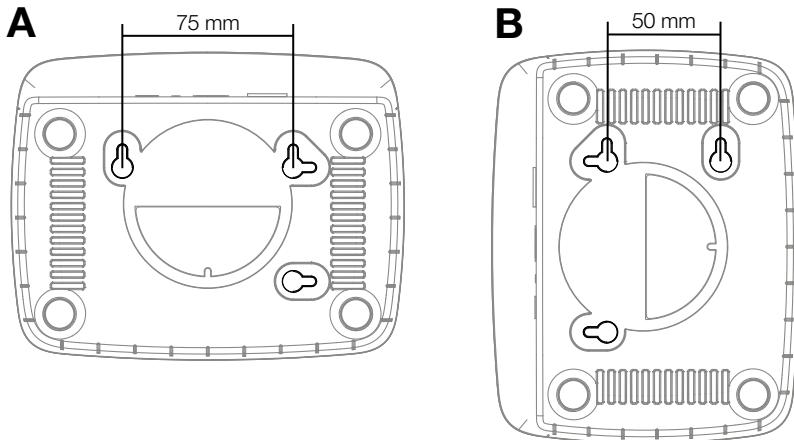
Now you can choose the location of the gateway.

The correct location for the gateway:

- We recommend installing the gateway near the garden window.
- Only use the product indoors.
- Do not use in cellar or nearby metal plates or engines.
- Radio transmission may be disturbed by external influences such as electric motors or defective electrical devices.
- The radio range may be restricted in buildings (e.g. by reinforced concrete walls) or outdoors (e.g. by high humidity).
- Avoid the influence of moisture, dust, sunlight or other heat radiation.

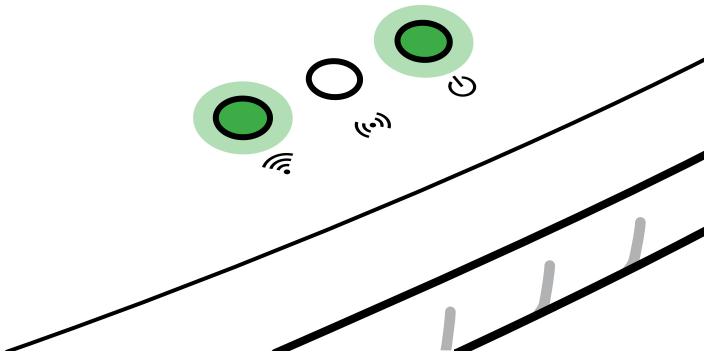
To mount the gateway on the wall (optional):

The two screws (not supplied) for attaching the gateway have to be screwed into place **A** horizontally 75 mm/**B** vertically 50 mm apart and the screw head diameter must not exceed 8 mm.



1. Screw the screws into the wall **A** 75 mm/**B** 50 mm apart.
2. Attach the gateway.

To operate via ethernet cable (recommended):



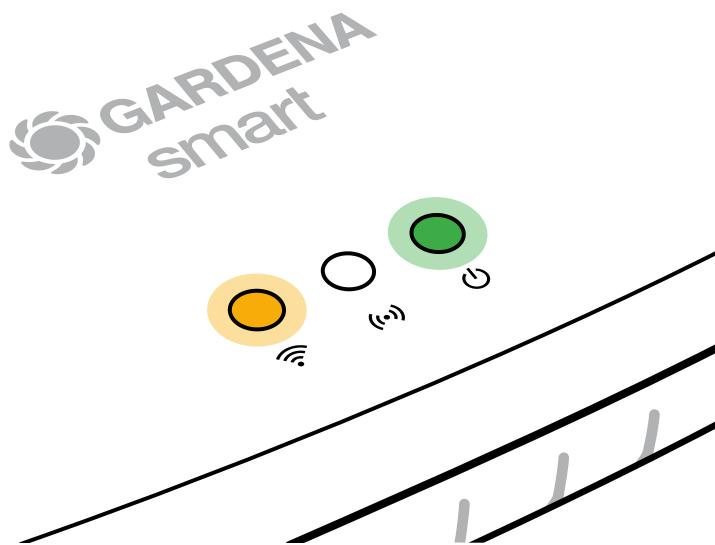
1. Download the **GARDENA smart App** from the App Store (Apple) or from Google Play.
2. Follow the instructions in the app.

To connect to a Wi-Fi network:

The LAN cable must be unplugged in order to activate the configuration network (yellow Internet LED illuminates). If it illuminates still red, briefly push the reset button ⑦.



The configuration network is activated as long as the Internet LED permanently illuminates yellow.



The configuration network remains active for 15 minutes. After the 15 minutes have elapsed, the configuration network can be reactivated by briefly pushing the reset button ⑦.

To configure the Wi-Fi network with an iOS device (iPhone, iPad):

1. Download the **GARDENA smart App** from the App Store (Apple).
2. Follow the instructions in the app.

Apple HomeKit code on bottom of gateway available

1. Wait until the Internet LED lights up yellow permanently (the configuration network is activated).

If the Internet LED is red, briefly press the reset button to activate the configuration network.

2. Open the **Apple Home App** (located by default on your mobile iOS device).

3. Choose “*Include device*”.

Apple HomeKit code not available on bottom of gateway

Open the **GARDENA smart App** and follow the instructions for initial setup.

Then go under in the
GARDENA smart App:
Settings → SmartHome

The Apple HomeKit setup code will now be displayed.

Make a note of this code
(Info: the code remains permanently the same and belongs firmly to your gateway).

Apple HomeKit code on bottom of gateway available

-
- 4.** Scan the HomeKit label **on the bottom of the gateway**.

Apple HomeKit code not available on bottom of gateway

Wait until the Internet LED lights up yellow permanently (the configuration network is activated).

If the Internet LED is red, briefly press the reset button to activate the configuration network.

-
- 5.** Wait until the Internet LED and the Power LED light up permanently green.

Open the **Apple Home App** (located by default on your mobile iOS device) and follow the instructions:

- *Add device*
- *Code missing or cannot be scanned*
- *Enter manual code*

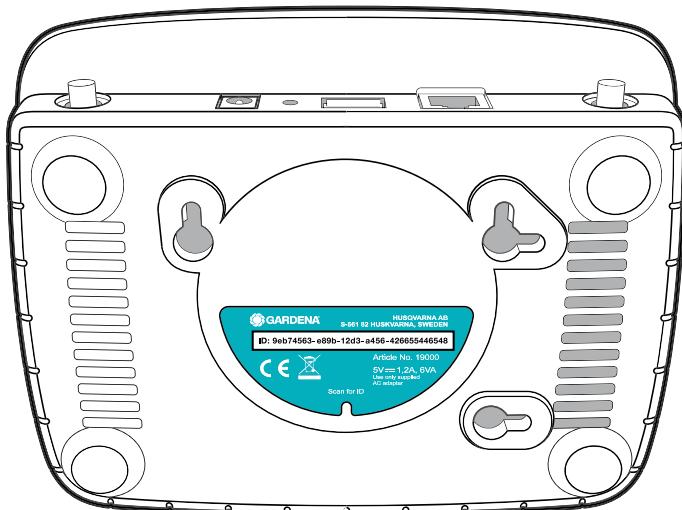
-
- 6.** The gateway can now be integrated into the **GARDENA smart App**.

Wait until the Internet LED and the Power LED light up permanently green.

To configure a WLAN network using an Android device or a web app (<https://smart.gardena.com>):

Wait until the Internet LED illuminates yellow permanently (the configuration network is activated).

To establish a connection via Wi-Fi, you need your Gateway ID. The Gateway ID can be read on the sticker on the underside of the gateway. You will also need the password for your Wi-Fi network.



1. Connect to the GARDENA configuration network. To do this, go to the Wi-Fi settings on your smartphone, tablet or computer. *The gateway should now be displayed there as an available Wi-Fi network.*

The network name starts with “GARDENA_config.xxxx”.

2. Connect to this network.
3. Open the URL:

<http://10.0.0.1>

in your preferred Internet browser. (Also, make sure JavaScript is activated and browser cookies are accepted, in order to display the page correctly. Connecting the gateway is not supported by Internet Explorer.

Please use a different browser e.g. Safari/Google Chrome.)

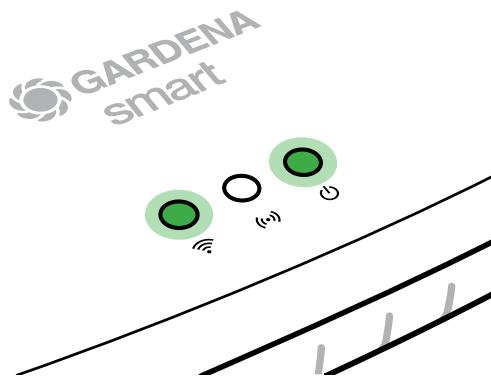
You should now see the Gateway Interface.

Gateway ID: 9eb74563-e89b-12d3-a456-426655446548



4. Login using the first eight digits of your Gateway ID as the password (see graphic). **The Gateway ID is located on the bottom side of the gateway.**
5. Under **WLAN Network**, select your own WLAN network that you want to use to connect the gateway to the Internet.
6. Enter your own Wi-Fi network password and confirm your settings.
7. Wait until the Internet LED and the Power-LED permanently illuminate green.

The gateway can now be included in the GARDENA smart App.



Note: Because the GARDENA configuration network does not have its own Internet access, your smartphone/tablet may automatically leave the GARDENA configuration network or displays an error message. In this case, you must allow a connection without Internet access to be maintained in the settings of your smartphone/tablet.

4. OPERATION

To operate with the GARDENA smart App:

You can use the **GARDENA smart App** to control all **GARDENA smart system products** from anywhere at any time.

The free **GARDENA smart App** is available on the App Store (Apple) and on Google Play.

You can integrate all **GARDENA smart system** products via the app. To do so, follow the instructions in the app.

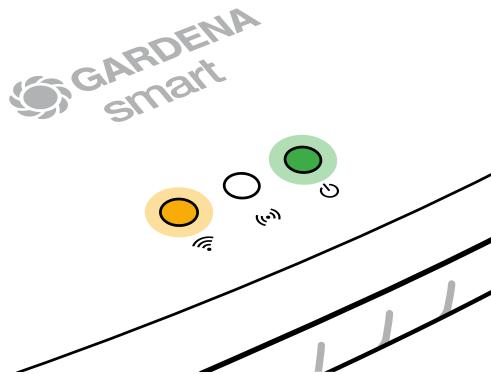
Factory Reset:



The smart Gateway will be reset to the factory settings (not deleted from an existing Gardena smart system account).

You may need to use the reset function if for example you want to link your gateway to a new Wi-Fi network.

1. Disconnect the gateway from the power supply.
2. Push and hold down the Reset key ⑦; while you reconnect the gateway to the mains, until the Power-LED lights up yellow.
3. Release the reset button ⑦ and start the initial operation (see 3. INITIAL OPERATION).
4. Wait until the power LED lights green.
This may take up to 15 minutes.



5. MAINTENANCE

To clean the gateway:

No caustic/abrasive cleaning agents should be used.

- **Clean gateway with a damp cloth (do not use solvent).**

6. STORAGE

To put into storage:

The product must be stored away from children.

- Do not store the product outdoors if not in use.

7. TROUBLESHOOTING

Problem:

The internet LED flashes red.

Possible Cause:

The gateway does not reach the required ports.

Remedy:

Outgoing connections from the gateway must be able to reach the following ports in the Internet and/or your Router. (Usually no configuration needs to be changed, this list is a reference for advanced users.):

- 53 TCP / UDP (DNS)
- 67/68 UDP (DHCP)
- 123 TCP / UDP (NTP)
- 80 TCP (HTTP)
- 443 TCP (HTTPS)

Should you experience any faults, you can find some frequently asked questions at this link:

www.gardena.com

NOTE:

Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

- For any other malfunctions please contact the GARDENA service department.

8. TECHNICAL DATA

smart Gateway	Unit	Value
Operation temperature range (indoors)	°C	0 to + 40
Internal SRD:		
Frequency range	MHz	863 – 870
Maximum power	mW	25
Free field radio range	m (approx.)	100
Wi-Fi		
Frequency range	MHz	2400 – 2483,5
Maximum power	mW	100
Standards supported	IEEE 802.11b/g/n	
Ethernet		
Port	1 LAN port via RJ45 socket	
Data connection	Standard Ethernet 10/100 Base-T	
Power supply unit		
Mains voltage	V (AC)	100 – 240
Mains frequency	Hz	50 – 60
Max. output voltage	V (DC)	5
Rated output current	A	1
Input ratings of the gateway unit	V (DC) / A	5 / 1
Dimensions (W x H x D)	mm	57 x 128 x 58
Weight	g	120

Declaration of Conformity:

Hereby, GARDENA Manufacturing GmbH declares that the radio equipment type (Art. 19000/19005) is in compliance with directive 2014/53/EU.

The full text of the EC declaration of conformity is available at the following internet address:

www.gardena.com

9. WARRANTY/SERVICE

9.1 Product registration:

Please register your product at gardena.com/registration.

9.2 Service:

Please find the current contact information of our service on the back page and online:

United Kingdom: <https://www.gardena.com/uk/support/advice/contact/>

USA: <https://us.gardena.com/pages/contact>

Canada: <https://www.gardena.com/ca-en/c/support/contact>

Australia: <https://www.gardena.com/au/support/advice/contact/>

New Zealand: <https://www.gardena.com/nz/support/advice/contact/>

South Africa: <https://www.gardena.com/za/support/contact/>

Other countries: <https://www.gardena.com/int/c/support/contact>

10. DISPOSAL

Disposal of the gateway:

(according to Directive 2012/19/EU)



The product must not be disposed of to normal household waste.
It must be disposed of in line with local environmental regulations.

IMPORTANT!

Dispose of the product through or via your municipal recycling collection centre.

Open Source Software:

This device contains open source software. GARDENA hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licenses. This offer is valid up to three years after product purchase to anyone in receipt of this information. To obtain the source code, please write in English, German or French to:

smart.open.source@husqvarnagroup.com

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