

LAN Gateway



The SmartKitchen LAN Gateway receives data from SmartKitchen measurement devices and securely transfers it to the SmartKitchen cloud service via local network.

Dimensions:	17,5 x 12,0 x 3,5 cm
Power supply:	Device is powered from the mains
Protection:	IP53, protected against spray water, suitable for indoor use
Status lights:	Red, blue and green lights indicate the operation of the device and possible error conditions
Temperature:	Operating temperature 0°C - 40°C
LAN:	Cable
Bluetooth LE radio:	2.4 GHz
LoRa radio:	871.5 MHz (receiving only)



LAN GATEWAY

Gateway device with internet connection



Description of Operation

The SmartKitchen LAN Gateway receives measurement data from SmartKitchen measurement devices via Bluetooth and LoRa (including repeated signals) radios and transfers the measurement data to the SmartKitchen cloud service via LAN network. The device is powered from mains current.

The gateway must be located within the range of the measurement devices' data transfer signals for proper operation.

Internet Connection

The LAN Gateway connects to the local area network (LAN) via Ethernet cable. Simply connect the Ethernet cable from the Gateway to the available LAN port on your network.

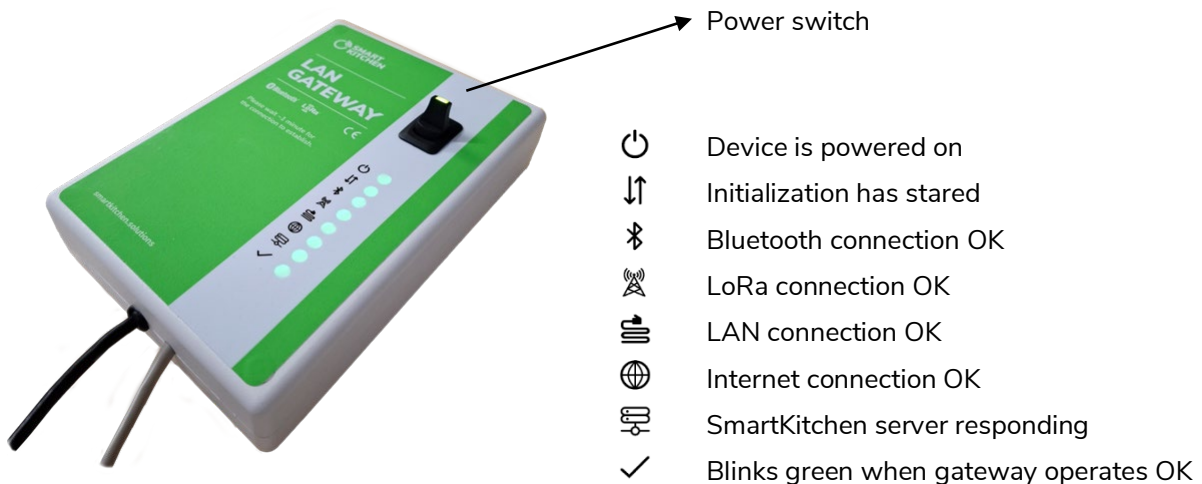
Starting the Use

1. Plug the device into the mains to activate the LAN Gateway and switch it on.
2. It usually takes 1–3 minutes for the gateway to establish connection.
3. The gateway is working normally when all LEDs are green, and the bottom LED is blinking.

Note: Connection times may vary depending on network quality.

Status Light Operation

The status of the LAN Gateway can be monitored through the LEDs. The following image explains the meaning of the indicator lights in various situations.



Troubleshooting: If the LEDs indicate an error state, ensure that the Ethernet cable is securely connected and that your network is functioning correctly. If the problem persists, try restarting the gateway by unplugging it from the mains and plugging it back in.

Network Requirements

To operate, the device requires an active internet connection via your local network. If the network is secured, please follow the instructions below or contact your IT support for assistance.

Networks Requiring MAC Address Approval

For networks that require MAC address approval (whitelisting), follow these steps:

1. Locate the MAC Address: Find the device's MAC address on the sticker attached to the LAN Gateway.
2. Request Approval: Provide the MAC address to your network administrator or IT department and request approval.
3. Connect via Ethernet: After approval, connect the device to an Ethernet port to enable proper operation.

Networks with Strict Firewall Rules

The device communicates with a server using the HTTPS protocol. To ensure functionality, configure the LAN firewall to allow outgoing HTTPS connections on the default HTTPS port (443).

Manufacturer

SmartKitchen

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Product support: helpdesk@smartkitchen.solutions

The purpose of this manual is to guide the user in operating the device. The products described are subject to change without prior notice due to the manufacturer's continuous development program. SmartKitchen/Ceruus Inc. makes no representations or warranties regarding this manual and shall not be liable for any direct, indirect, incidental, consequential, or special damages, losses, costs, or expenses arising from the use of this material or the products described herein.