

RaspBee Gateway

Datasheet

- The gateway is the heart of dresden elektronik's wireless light control system. It allows for controlling your lights location-independently by smartphone, tablet and PC.
- The gateway is compatible with dresden elektronik wireless electronic ballasts as well as other ZigBee Home Automation devices like the Philips Hue or 'Friends of Hue'.
- Hardware is based on the Raspberry Pi 3 single-board computer which becomes an Ethernet-ZigBee gateway by attaching our RaspBee add-on module. It is controlled by the deCONZ software installed on a Micro-SDHC card containing a Raspbian Linux distribution.
- The user interface consists of an intuitively usable web interface (web app) which is operated by a browser.
- The scope of delivery includes all necessary parts for getting started controlling your lights wirelessly. The device is shipped fully assembled and pre-configured.
- To benefit from future software releases an automated update mechanism is provided.
- Integrate the gateway into your local infrastructure (i.e. WiFi router) by the included Ethernet cable.
- Control devices (smartphone, tablet, PC) are not part of delivery.



Technical Data

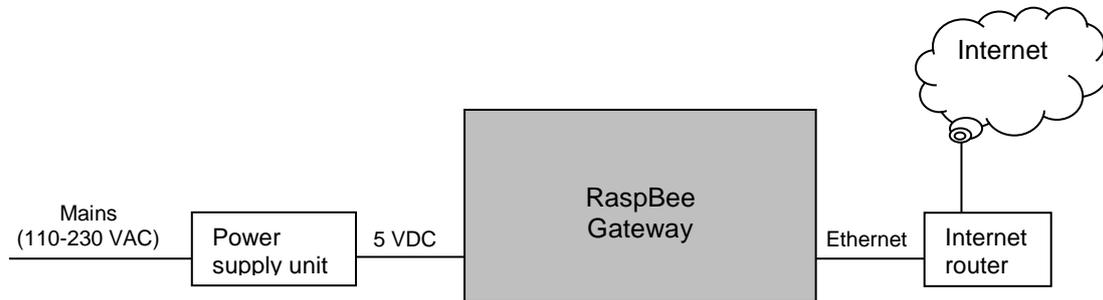
Dimensions	110.0 x 64.0 x 30.0 mm (LxWxH)
Operating temperature	0 to +70°C
Storage temperature	-20 to +80°C
Humidity	0 to 100% r.H. non-condensing
Degree of protection	IP20
Input voltage	4.5 to 5.5 VDC ¹
Input current	1.2 A max.
Certification	CE, FCC
Display elements	5x + 2x LED (Raspberry Pi 3, RaspBee)
Interfaces	Power, LAN ² , 2x USB, HDMI, Audio
Wired communication	IEEE 802.3 100BASE-TX (Ethernet)
Wireless communication	IEEE 802.15.4 (ZigBee), built-in radio module with front-end and integrated antenna
Software	Linux operating system, deCONZ as control and monitoring back end, web browser based user interface

Technical Data

¹ Power supply unit with wide-range input (110-230 VAC) and 4 interchangeable clips for world-wide use included

² Ethernet cable included in delivery

Wiring diagram



Scope of delivery

RaspBee Gateway

Part number

BN-600054

**Order
Information**

Related products

FLS-PP Ip
FLS-H Ip
FLS-A Ip
Scene Switch
Lighting Switch

BN-600057
BN-600058
BN-600078
BN-600085
BN-600087

Board options

Wireless Light Control Starterkit

BN-600055

Options

Order online: <https://shop.dresden-elektronik.de>