

Installation and Operating Instructions

GMS Gateway

Status: February 10, 2020



Abb. 1: View GMS Gateway

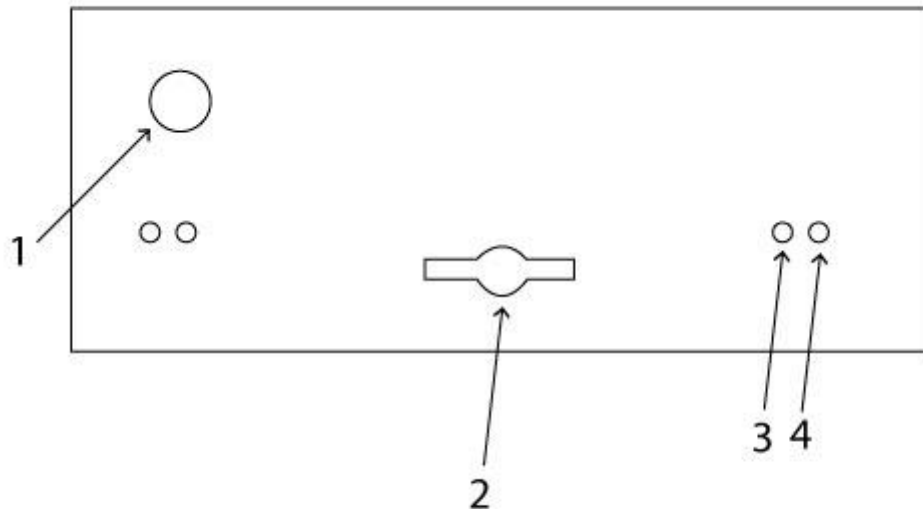
The GMS Gateway has a LoRa® communication module with antenna (SMA mount). It is used for the communication between the GMS Cloud-Service (Book-n-Park Portal on www.book-n-park.de) and the locally installed GMS devices and modules such as parking barrier or modules for barrier or gate control.

A command sent via terminal device is transmitted via the GMS cloud platform to the respective gateway. The gateway uses LoRa® technology to communicate with the parking management devices.

Connection and commissioning:

Carry out the following steps for commissioning:

Gateway-Rückseite: Anschlüsse und Signale



- 1 - SMA Antennenanschluss
- 2 - Micro-SD HC Kartenslot
- 3 - LED grün
blinkt langsam (Intervall 2 sec): Internetverbindung besteht
blinkt schnell (Intervall 1 sec): keine Internetverbindung
flackert heller / dunkler: System startet
- 4 - LED rot
leuchtet: System startet o. Gateway hat keine Service-Verbindung
aus: Gateway hat erfolgreich Verbindung zum Service aufgebaut

Fig. 2: Rear side of the gateway

Step 1:

Attach the included antenna to the SMA mount (1) in fig. 2

Step 2:

Make sure that the pre-configured Micro-SD card is correctly seated in the slot (2) in Fig. 2.

Step 3:

Connect the Ethernet socket to the local network.

Please make sure that outgoing communication is possible on ports 80/TCP, 443/TCP, 8883/TCP. If necessary, adjust the firewall rules in consultation with your network administrator.

A connection via WLAN is currently only possible by pre-configuration - first establish the connection via cable and then contact the Book-n-Park support.

Gateway-Seite: Anschlüsse

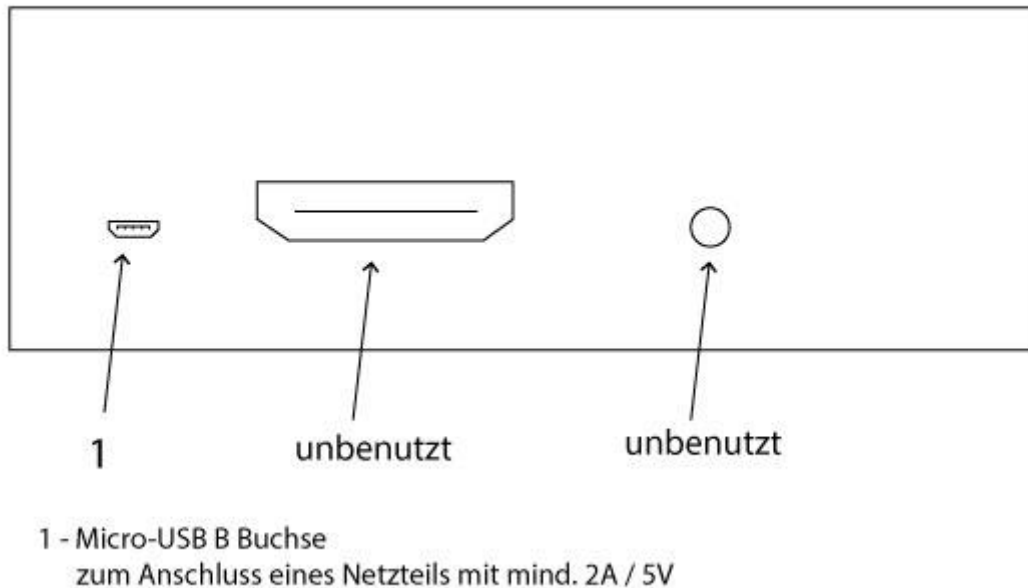


Fig. 3: Gateway Side

Step 4:

Connect the supplied power supply (5A / 2.5A) to the Micro-USB B socket (1) in Fig. 3.

Then plug the power supply into a 230V socket.

Note: Place the Gateway as high as possible in the room to ensure an optimal range. Please note that for a trouble-free operation the Gateway should be placed as close as possible to the actuators. The range is 20m - 400m, depending on environmental conditions and installation location.

For wall or ceiling mounting, use the supplied pre-mounted brackets.

Operation with 802.11af (PoE or PoE+) is not possible

Operation and error codes:

In fig. 2 you see a green and a red LED marked with (3) and (4). These give you feedback on the status of the system.

The gateway is ready for operation and connected to the GMS cloud service as soon as the red LED goes off.