Gateway Maxi

Data connector for indoor and outdoor use. Automatically connects to the Internet with the 4G router inside the case. The user can also connect other computers or phones to the 4G router's WiFi network. The device is used for continuous transfer of measured data to the ioLiving cloud service.

Protection: IP56, Protection against water jets
Temperature: -20 °C – +60 °C
LoRa frequency: 871.5 MHz

CE

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ioLiving

GATEWAY MAX INSTALLATION AND CONFIGURATION GUIDE

Gateway Maxi is a wireless data transfer device which includes a wireless mobile router. Wireless mobile router requires a SIM-card to connect to the mobile network.

ioLiving service requires at least 200 MB of data usage per month, which must be considered when implementing the mobile connection. It is also possible to use the Gateway Maxi's wireless mobile router as a wireless router for other devices, but then the data connection limitations must be carefully reviewed. For example, 200 MB in month, which is enough for ioLiving devices' data transfer isn't enough for wireless router usage at all.

If the SIM card is factory assembled, then the device is ready to use after connecting it to the mains. The SIM card can be installed with the following instructions.

Installation

1. Open the locking screws and remove the Gateway's front cover.

Figure 1:
Locking screw positions.

2. Insert the SIM card (Check wireless router's manual). Ensure that router's power button is pressed on.

3. Check the internal wiring.

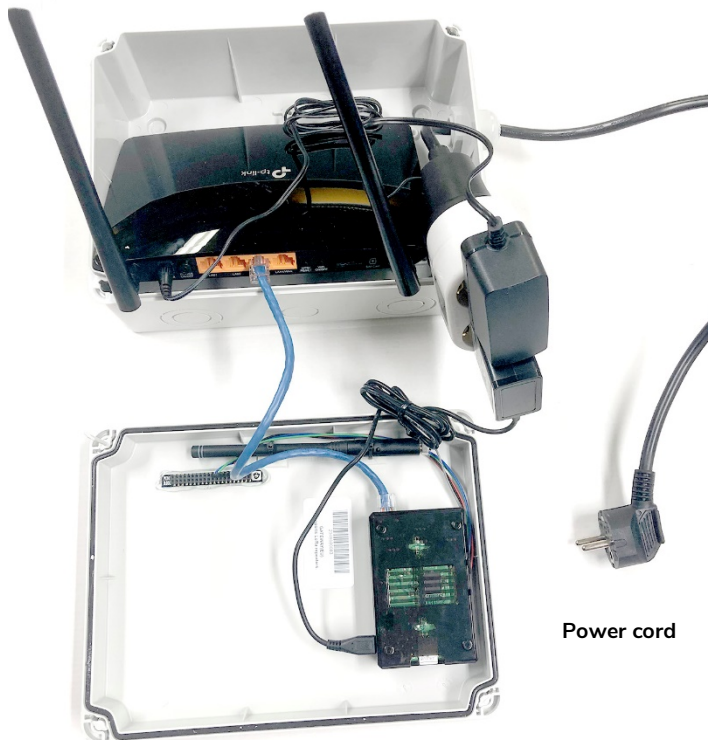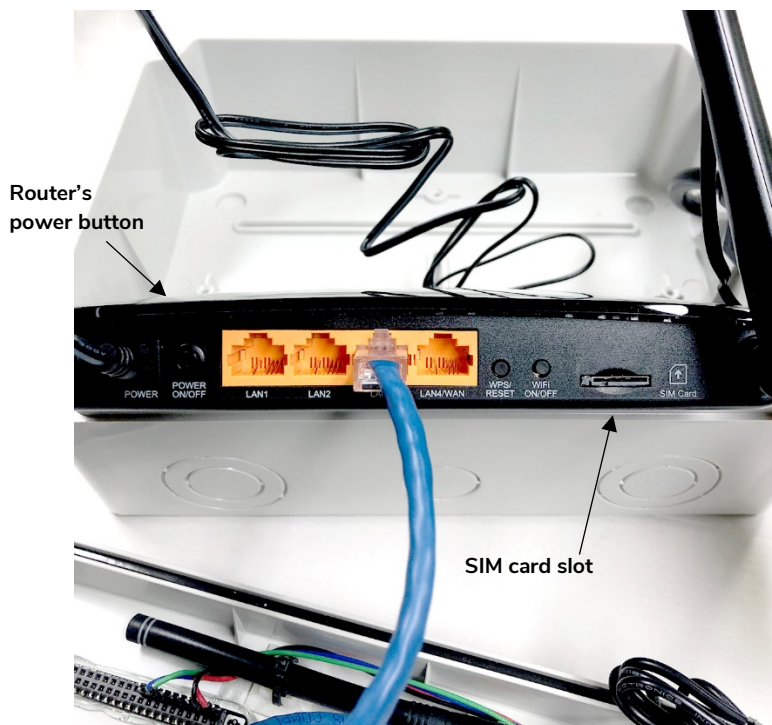**Figure 2:**
Gateway Maxi's main parts.

Power cord

Figure 3:
Router's power button and SIM card slot.

Router's power button

4. Close the cover. Plug the power cord on and ensure that the router connects to the ioLiving server by checking the signal LED's status in the cover.

POWER   POWER ON/OFF   LAN1   LAN2   LAN   LAN4/WAN   WPS/RESET   WIFI ON/OFF   SIM Card

SIM card slot

GATEWAY MAXI

Data connector for indoor and outdoor use

GATEWAY LED SIGNAL DESCRIPTION AND TROUBLESHOOTING

Figure 1.
There are seven signal LEDs in the Gateway device.

Table 1:

LED symbol descriptions

⏻	Gateway status LED • Green blinking: The power is on and the device is operational. • Not blinking: The software has halted, reboot the device.

⧖	Initializing LED
	
	• Yellow blinking: The device has been recently turned on. When the device is ready (device boot up and initialization may take few minutes) the LED turns off.
	• Constant red:
	  1. Reboot the Gateway.
	  2. Check the selected network's connection with another device.

✳	Bluetooth LED • Constant green: The device has detected Bluetooth devices within the range
LoRa	LoRa LED • Constant green: The device has detected LoRa devices within the range. • Occassionally blinking blue: The LoRa signal has been received.
⬒	Wired network connection LED • Constant green: Wired connection is OK. • Constant red: No wired or wireless connection (Appears concurrently with wireless red LED) *
📶	Wireless network connection LED • Constant green: Wireless connection is OK • *Constant red: No wired or wireless connection (Appears concurrently with wired red LED)

	ioLiving server LED

🌐	• Constant green: Connection to ioLiving server is OK.
	
	 • Constant red: No connection to ioLiving server:
	   1. Reboot the Gateway.
	   2. Check the network connection with another device.
	   3. Try again after longer period, the server may be down or overloaded.
	   4. Contact the device support.

Gateway Maxi configuration problems:

If the Gateway Maxi doesn't power up after plugging it in, check the following:
- The power is on; the mains socket is switched on and the Router's power button is pressed on.
- The internal wiring is OK. Open the Maxi's casing and check all possible wire connectors.

If the Gateway Maxi doesn't connect to the server:
- Open the Maxi's casing and check that the SIM card is properly on its slot.
- Check all internal connectors.
- Check the connection to the data operator's network with another device. If the connection is bad, consider relocating the Gateway Maxi.

GATEWAY ACTIVATION IN IOLIVING SERVICE

To monitor Gateway's functionality and status, it must be activated in the ioLiving service.

Figure 1.
Gateway's serial number can be found in the sticker attached to the casing.

1. Write down Gateway's serial number.

2. Sign in to the ioLiving service portal www.ioliving.com

   • Login with your credentials
   • Account
   • Gateway devices

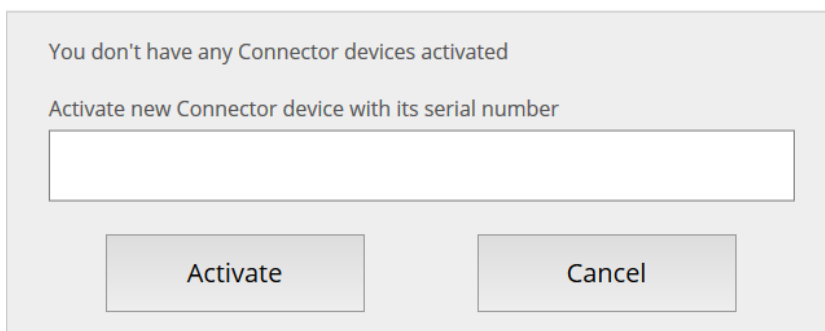3. Activate the Gateway with its serial number.

Figure 2.
Gateway's activation window.

4. After the activation Gateway status can be checked in the ioLiving service by selecting: → Gateway devices

5. It is possible to activate several Gateways under the same account.

6. The notifications can be turned on/off with just a click of a mouse.

7. The device can be removed from the account when necessary.

Figure 3.
Gateway device's status window.

Gateway devices

Serial number:	4133248290
Latest connection:	8.4.2019 10:55
SW:	Raspberry Python v2.4 LoRa Blinkt
IP:	80.75.99.67

Devices:

0000032	
Blast chilling	LoRa
C v3	✳
DWL	LoRa
Shokkipottu	
strl	LoRa
TempSpy C	✳
TempSpy D	✳

☐ I want notification if this device is not working [Save]

To receive SMS notifications you need to set technical support phone number.

Notifications are send via email to technical support person.

Remove this connecter

Activate new Connector device with its serial number

[   ]

[Activate]   [Cancel]