SECURE. **NETWORKS.**

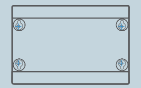
LANCOM 730-4G
Quick Reference Guide

LANCOM
Systems

Please observe the following when setting up the device

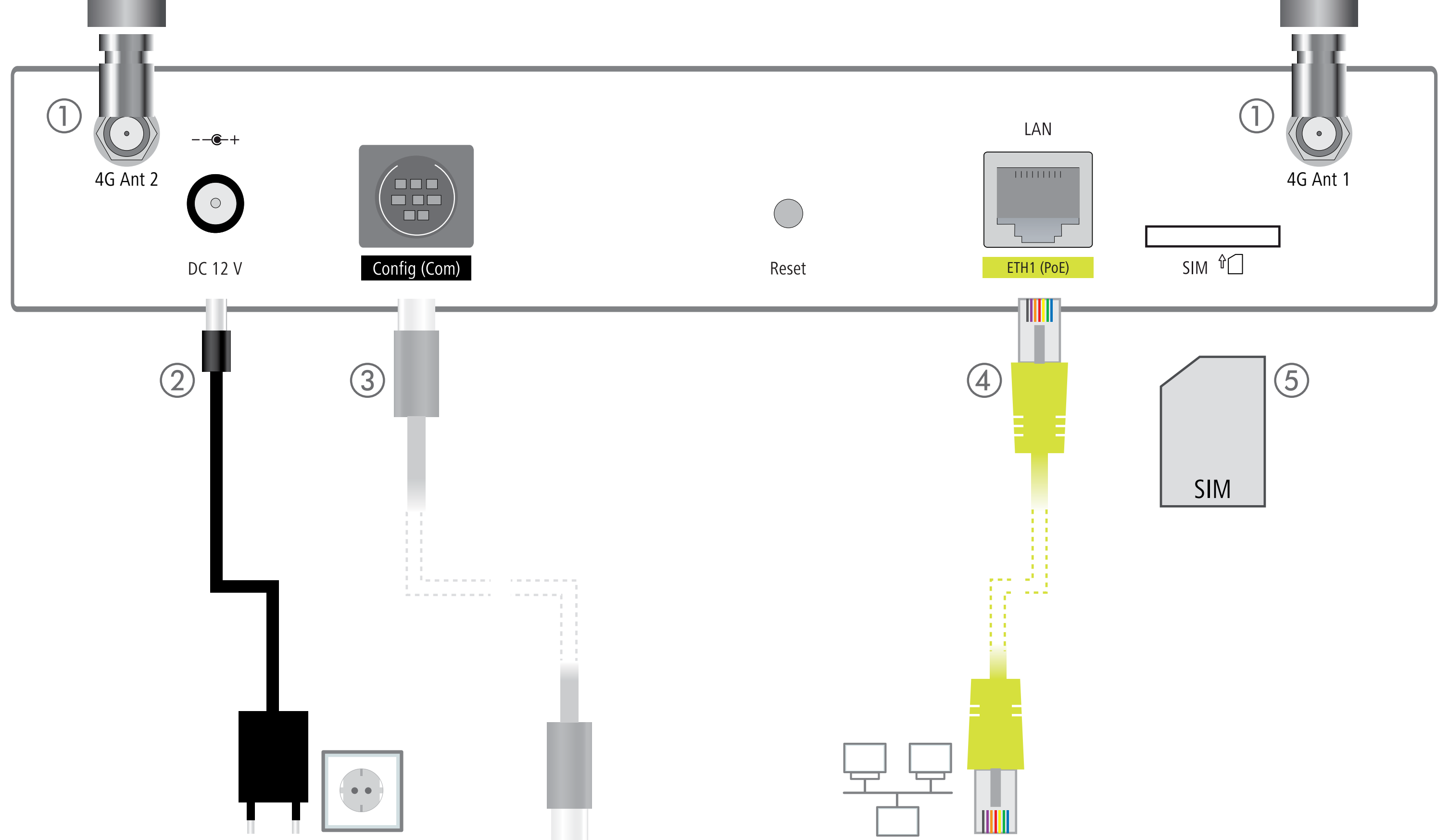
- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device

- Keep the ventilation slots on the side of the device clear of obstruction
- In case of wall mounting, use the drilling template as supplied



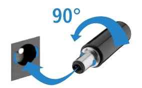
- Rack installation with the optional LANCOM Rack Mount (not supplied)

SETTING UP AND CONNECTING THE DEVICE



① **LTE / 4G antennas**
Screw the two supplied cellular antennas onto the connectors 4G Ant 1 and 4G Ant 2.

② **Power**
When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place.



Use only the supplied power adapter.

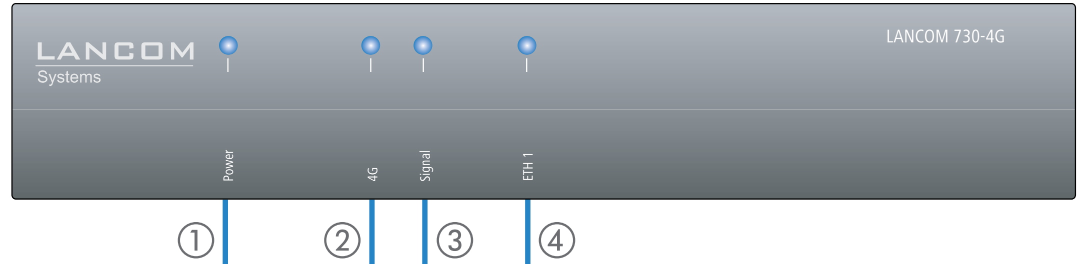
③ **Serial interface**
You can connect the device to a PC with a configuration cable (available separately).

④ **Ethernet interface**
Use the cable with the kiwi-colored connectors to connect the interface ETH1 to your PC or a LAN switch.

⑤ **Optional: SIM card**
Slide the SIM card into the slot using the marker to ensure that the card is the right way round. Ensure that the SIM card clicks into place on insertion. To remove the card from the device again, press the card lightly into the device. Let go to release the SIM card from the slot.

When working with separately purchased antennas, please ensure you do not exceed the maximum permissible transmission power. The system operator is responsible for adhering to the threshold values. Antennas are only to be attached or changed when the device is switched off. Mounting or demounting antennas with the device switched on may cause the destruction of the 4G modules!

The SIM card is only to be inserted or removed when the device is switched off. Inserting or removing the SIM card with the device switched on may cause the destruction of the 4G module!



① **Power**	
Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible
Green/orange, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
1x green inverse blinking*	Connection to the LMC active, pairing OK, claiming error
2x green inverse blinking*	Pairing error, resp. LMC activation code / PSK not available
3x green inverse blinking*	LMC not accessible, resp. communication error

② **4G**	
Off	Cellular interface disabled
Green, permanently	Connection to cellular network active
Green, flickering	Cellular data transmission
Orange, permanently	Logon to cellular network successful
Orange, blinking	Logging on to cellular network
Red, permanently	Hardware error/module unavailable
Red/green, blinking	SIM card error (PIN)
Red/orange, blinking	Uploading module firmware

④ **ETH**	
Off	No networking device attached
Green, permanently	Connection to network device operational, no data traffic
Green, flickering	Data transmission

③ **Signal**	
Off	No cellular reception
Green, permanently	Good signal strength, greater than or equal to -70 dB
Orange, permanently	Medium signal strength, field strength between -86 and -71 dB
Orange, blinking	Low signal strength, field strength less than -87 dB

TECHNICAL DATA

Hardware	
Power supply	12 V DC, external power adapter 230 V with bayonet connector to secure against disconnection
Power consumption	Approx. 16,8 W via external 12 V / 1.5 A power adapter (value refers to the overall power for the router and power adapter); approx. 19 W via PoE (value refers solely to the power of the device) 3G / 4G mode operation is ensured by power supply via IEEE 802.3af. When operating the device in 2G mode, an IEEE 802.3at compatible PoE adaptor or switch is recommended.
Environment	Temperature range 0–40 °C; humidity 0–95 %, non-condensing.
Housing	Robust synthetic housing, rear connectors, ready for wall mounting,Kensington lock; measures 210 x 45 x 140 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF
Interfaces	
WAN, LAN	10 / 100 / 1000 Base-TX, autosensing, auto node hub
Serial interface	Serial configuration interface / COM port (8-pin Mini-DIN): 9,600–115,000 baud, suitable for optional connection of analog / GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial-data transfer via TCP.
4G: Ant 1, Ant 2	Two SMA connectors for the supplied dipole rod antennas (LTE, HSPA+, HSxPA, UMTS, EDGE, GPRS), compatible LANCOM AirLancer Extender antennas for 4G, or from other manufacturers**
Data transmission in cellular networks	
Supported standards	LTE, HSPA+, HSxPA, UMTS, EDGE, GPRS
LTE	Band 1 (2100 MHz), band 3 (1800 MHz), band 7 (2600 MHz), band 8 (900 MHz), band 20 (FDD800 MHz) with MIMO
HSPA+ / HSxPA / UMTS	Band 1 (2100 MHz), band 8 (900 MHz) with diversity
GPRS / EDGE	GSM 900 (900 MHz), DCS 1800 (1800 MHz), PCS 1900 (1900 MHz)
Maximum transmission power	+24 dBm
Declaration of conformity	
The Declaration of Conformity is available from the product page on our website www.lancom-systems.com	
Package content	
Manual	Hardware Quick Reference (DE/EN), Installation Guide (DE/EN)
Cable	1 Ethernet cable, 3m (kiwi-colored connector)
Antenna	Two LTE / 4G antennas for LTE, HSPA+, HSxPA, UMTS, EDGE, GPRS
Power adapter	External power supply adapter 230 V, NEST 12 V / 1.5 A DC/S, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111301 (EU, 230 V);

*) The additional power LED statuses are displayed in 5-seconds rotation if the device is configured to be managed by the LANCOM Management Cloud.

**) Please respect the restrictions which apply in your country when setting up an antenna system (in particular the antenna gain and transmission power). For information about calculating the correct antenna setup, please refer to www.lancom.eu.

This product contains separate open-source software components which are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS) is available on the device's WEBconfig interface under "Extras > License information". If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request.

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