SECURE. **NETWORKS.**

LANCOM 730-4G+
Quick Reference Guide

Cloud-ready

LANCOM Systems
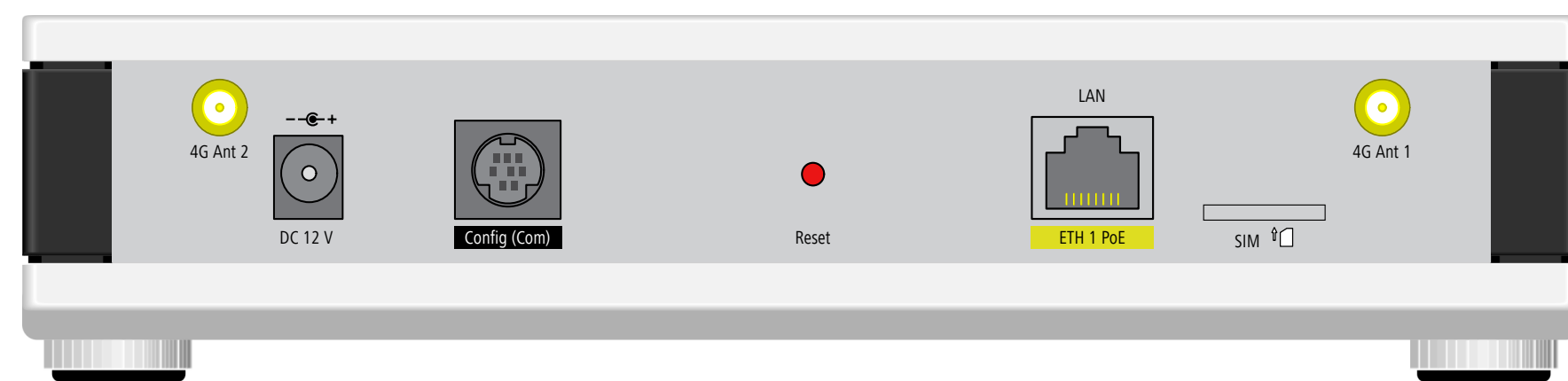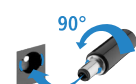
① **LTE / 4G antennas**
Connect the two supplied cellular antennas to the connectors Ant 1 and Ant 2.

② **Power**
After connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place.
Use only the supplied power adapter.

③ **Configuration interface**
Configuring the device via the serial interface requires a serial configuration cable (available as an accessory).

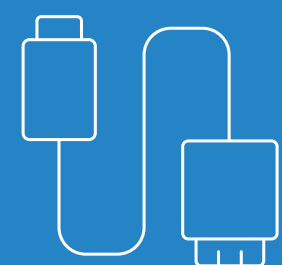④ **Reset button**
Pressed up to 5 seconds: device restart

Pressed until first flashing up of all LEDs: configuration reset and device restart

⑤ **Ethernet interface**
Use the cable with the kiwi-colored connectors to connect the interface ETH1 to your PC or a LAN switch.

⑥ **SIM card slot**
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.
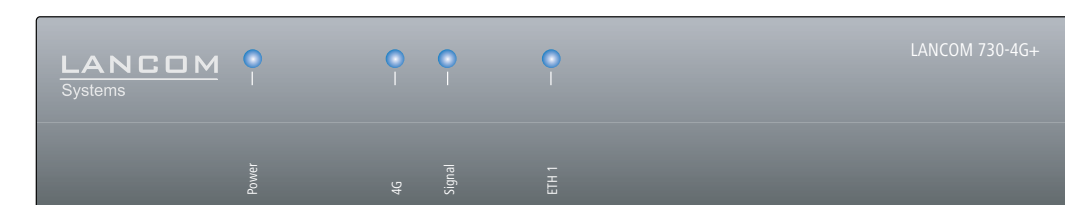
Please observe the following when setting up the device
> Do not rest any objects on top of the device
> For devices to be operated on the desktop, please attach the adhesive rubber footpads
> In case of wall mounting, use the drilling template as supplied

> Keep the ventilation slots on the side of the device clear of obstruction
> Rack installation with the optional LANCOM Rack Mount (separately available)

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!

SETTING UP AND CONNECTING THE DEVICE

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

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

④ **ETH**

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

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

TECHNICAL DATA

Hardware	
Power supply	12 V DC, external power adapter 230 V with bayonet connector to secure against disconnection
Power consumption	Approx. 12 W via external 12 V / 2,0 A power adapter (value refers to the overall power for the router and power adapter); approx. 11 W via PoE (value refers solely to the power of the device)
Environment	Temperature range 0° to +40°C a vertical mounting position using the LANCOM Wall Mount; Temperature range 0° to 35°C a horizontal mounting position and adequate ventilation; humidity up to 95%; non-condensing; In order to prevent overheating of the device the LTE module is deactivated automatically.
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), compatible LANCOM AirLancer antennas for 4G, or from other manufacturers**

Data transmission in cellular networks	
Supported standards	LTE Advanced, LTE, HSPA+, HSxPA, UMTS
LTE / HSPA+ / HSxPA / UMTS	Band 1 (2100 MHz), band 2 (1900 MHz), band 3 (1800 MHz), band 4 (2100 MHz), band 5 (800 MHz), band 7 (2600 MHz), band 8 (900 MHz), band 12 (700 MHz), band 13 (700 MHz), band 20 (800 MHz), band 25 (1900 MHz), band 26 (800 MHz), band 29 (700 MHz), band 30 (2300 MHz), band 41 (2500 MHz)
Maximum transmission power	+23 dBm

Declaration of Conformity	
	Hereby, LANCOM Systems declares that this radio equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.lancom-systems.com/ce/

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
Power adapter	External power adapter, NEST 12 V / 2 A DC/5, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111303 (not for WW devices)

**) Please respect the restrictions which apply in your country when setting up an antenna system (in particular the antenna gain and transmission power).

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.