



...connecting your business

LANCOM L-1302acn dual Wireless

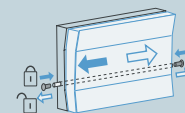
Quick Reference Guide

LANCOM
Systems



Please observe the following when setting up the device

- Recommended wall mounting: Align the front panel downwards
- Lockable wall mounting with the LANCOM Wall Mount (available as an accessory)



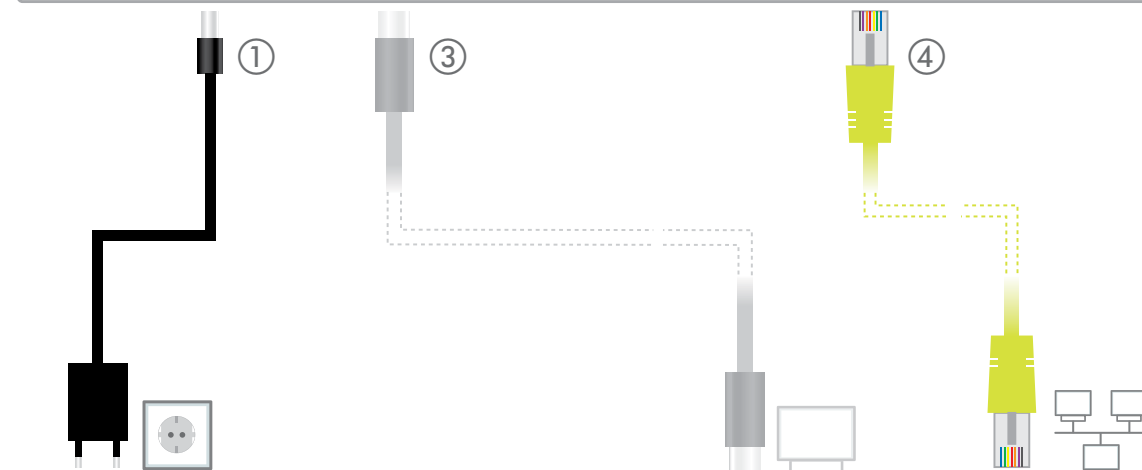
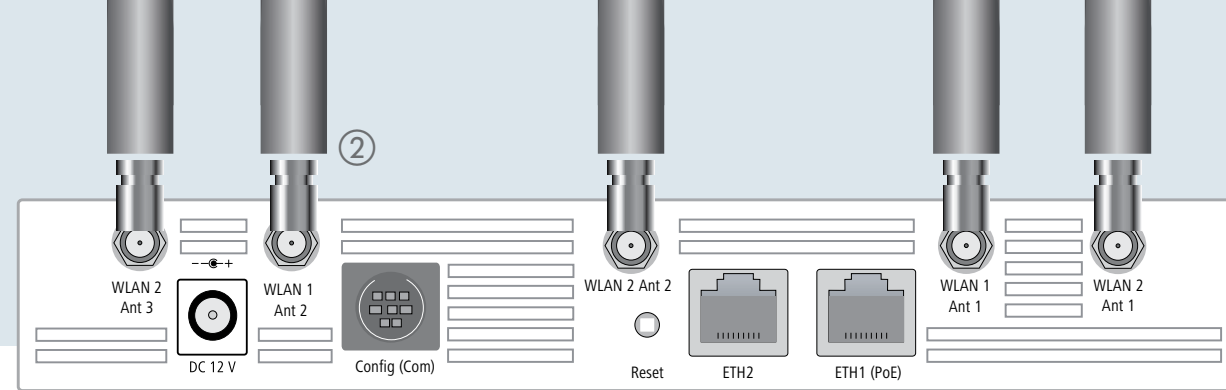
- In case of wall mounting, use the drilling template as supplied



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

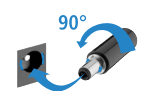


- Keep the ventilation slots of the device clear of obstruction



① 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.

② WLAN antennas

Screw the supplied WLAN antennas onto the antenna terminals WLAN1 Ant 1, WLAN1 Ant 2, WLAN2 Ant 1, WLAN2 Ant 2, and WLAN2 Ant 3. Depending on how the antennas are to be used, the 'Antenna Grouping' may need to be configured in order to ensure the desired MIMO behavior.

③ Optional: Serial configuration cable

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

④ LAN

Use the cable with the kiwi-colored connectors to connect interface ETH1 or ETH2 to your PC or a LAN switch.

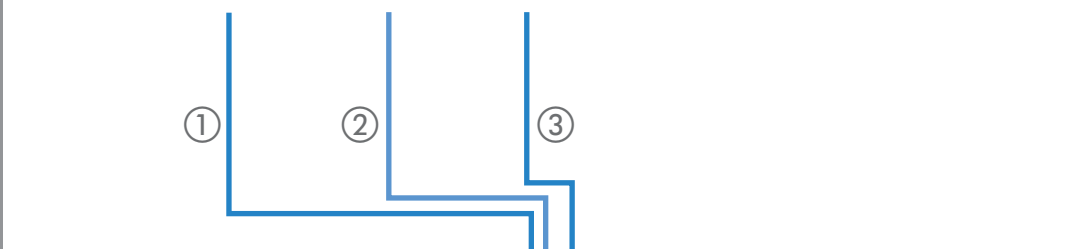
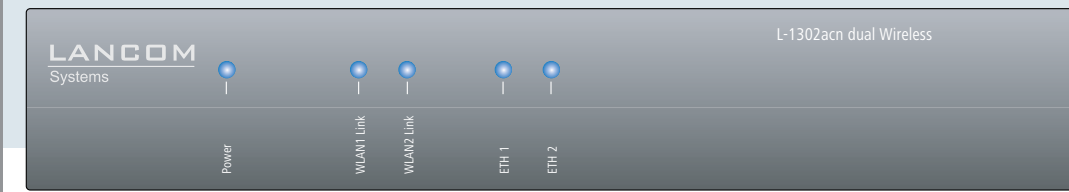


If you operate separately purchased antennas, please ensure that you do not exceed the maximum allowed transmission power for your system. The system operator is responsible for adhering to the threshold values.

Antennas are only to be attached or changed when the device is switched off. Mounting or demounting antennas while the device switched on may cause the destruction of the WLAN module!

If the WLAN modules are operated in the same frequency band, it is recommended to use extension cables for connecting antennas to the device. This way, they can be positioned further away from each other and, on top of that, interferences are less likely to occur.

MOUNTING AND CONNECTING UP



① Power		③ ETH 1 and ETH 2	
Off	Device switched off	Off	No networking device attached
Green on, permanently	Device operational	Green on, permanently	Connection to network device operational, no data traffic
Blinking green	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.	Flickering green	Data traffic
② WLAN1 Link, WLAN2 Link			
Off	No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons.		
Green	At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons.		
Green inverse flashing	Number of flashes = number of connected WLAN stations and P2P wireless connections, followed by a pause (default). Alternatively the frequency of the flashing can indicate signal strength over the defined P2P link or the signal strength between the access point and the device operating in client mode.		
Blinking green	DFS scanning or other scan procedure		

License information for the device firmware (LCOS) is available in the file LCOS-Licenses.txt on the data medium supplied.

Hardware	
Power supply	12 V DC, external power adapter (110 or 230 V) with bayonet connector to secure against disconnection
Power consumption	Approx. 18.9 W via 12V/1.5 A power adapter (value refers to the overall power for the access point and power adapter), about 16 W via PoE (value refers to the power for the access point only)
Environment	Temperature range 0–40 °C when mounted vertically on a LANCOM wall mount. Temperature range 0–35 °C when mounted horizontally. WLAN radio modules switch off automatically to avoid overheating of the access point.
Mounting	Recommended mounting via LANCOM Wall Mount with the device's front facing downwards
Housing	Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 × 45 × 140 mm (W × H × D)
Number of fans	None; fanless design, no rotating parts, high MTBF
WLAN	
Frequency band	2400–2483.5 MHz (ISM) or 5150–5825 MHz (restrictions vary between countries)
Radio channels 2.4 GHz	Up to 13 channels, max. 3 non-overlapping (2.4 GHz band)
Radio channels 5 GHz	Up to 26 non-overlapping channels (channels available vary according to country regulations; DFS for automatic dynamic channel selection required)
Interfaces	
ETH1 (PoE)	10/100/1000 Base-TX, autosensing, auto node hub, PoE compliant with IEEE 802.3af and IEEE 802.3at. It is recommended to use a PoE adapter or switch with IEEE 802.3at support. Using PoE with IEEE 802.3af the number of spatial streams is limited.
ETH2	10/100/1000 Base-TX, autosensing, auto node hub
DSL over LAN (DSL oL)	A LAN port can (even parallel to LAN mode) be used as a WAN port for connecting external DSL modems (PPPoE) or external routers
External antenna connectors	Five reverse SMA connectors for external LANCOM AirLancer Extender antennas or for antennas from other vendors
Integrated antenna	WLAN module 1 uses an integrated antenna (WLAN 1 Ant 3)
Serial interface	Serial configuration interface / COM port (8-pin Mini-DIN): 9,600–115,000 baud
Declaration of conformity	
For the declaration of conformity, see the product page on our website www.lancom-systems.eu	
Package content	
Manual	Quick Reference Guide (DE/EN) and Quick Installation Guide (DE/EN/FR/ES/IT/PT/NL)
CD/DVD	CD/DVD with firmware, management software (LANconfig, LANmonitor, LANCAP) and documentation
Cable	Ethernet cable, 3m (LAN: kiwi-colored connectors; WAN: green connectors)
Antennas	Five 3-dBi dipole dual-band antennas
Power adapter	External power adapter, NEST 12 V/1.5 A DC/5, barrel connector 2.1/5.5 mm bayonet, LANCOM item no. 110723 (EU, 230 V), LANCOM item no. 110829 (UK, 230 V), LANCOM item no. 111007 (US, 110 V)

LANCOM, LANCOM Systems and LCOS are registered trademarks. All other names or descriptions used may be trademarks or registered trademarks of their owners. Subject to change without notice. No liability for technical errors and/or omissions. 11118408 14

TECHNICAL DATA