



... connecting your business

LANCOM L-151E Wireless

Quick Reference Guide

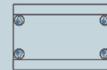


Please observe the following when setting up the device

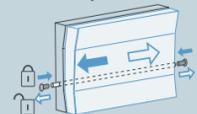
- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device



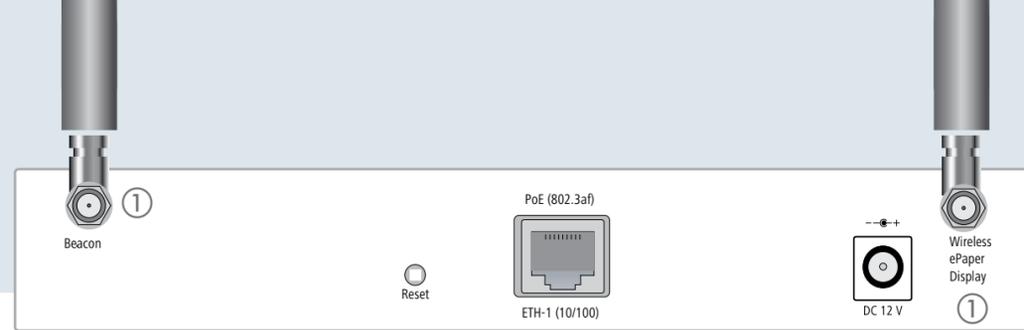
- Keep the ventilation slots on the side of the device clear of obstruction
- In case of wall mounting, use the drilling template as supplied



- Lockable wall mounting with the LANCOM Wall Mount (available as an accessory).



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 radio module!



①

iBeacon & Wireless ePaper Display antennas

Apply the antennas supplied to the connectors Beacon and Wireless ePaper Display.

②

LAN

Use the cable with the kiwi-colored connectors to connect the interfaces ETH to your PC or a LAN switch.

③

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.

MOUNTING AND CONNECTING THE DEVICE



① Power	⑤ ETH
Off	Off
Green, on (permanently)	Green, on (permanently)
Blinking green	Flickering green
Device switched off	No networking device attached
Device operational	Connection to network device operational, no data traffic
Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.	Data traffic
② WLAN	④ Beacon
Off	Off
Green	Green, on (permanently)
Green inverse flashing	Blinking green
No WLAN network defined or WLAN module deactivated. The WLAN module is not transmitting beacons.	iBeacon disabled
At least one WLAN network is defined and WLAN module activated. The WLAN module is transmitting beacons.	iBeacon enabled
Number of flashes = number of connected WLAN stations, followed by a pause (default). Alternatively the frequency of the flashing can indicate signal strength between the access point and the device operating in client mode.	iBeacon module initializing
	Red, on (permanently)
	Initialization failed
③ Display	
Off	
Orange	
Green, on (permanently)	
Blinking green	
Red	
Wireless ePaper module is off	
Wireless ePaper module is ready, but there is no connection to the server yet (radio is off)	
Wireless ePaper module is connected to the server (radio is on but is sending sync packets only)	
Wireless ePaper module transmitting data to display	
Error condition (e.g. module reset)	

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 230V) with bayonet connector to secure against disconnection
Power consumption	Approx. 5 watt via 12V/1.5A power adapter (value refers to the overall power for the access point and power adapter), about 4.3 watts via PoE
Environment	Temperature range 0 – 50°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

WLAN	
Frequency band	2400-2483.5 MHz (ISM) (restrictions vary between countries)
Radio channels 2.4 GHz	Up to 13 channels, max. 3 non-overlapping (2.4-GHz band)

Interfaces	
Wireless ePaper Displays	Support of LANCOM Wireless ePaper Displays: The device is equipped with a radio module for the update of LANCOM Wireless ePaper Displays in the 2.4 GHz frequency band.
iBeacon	Support of iBeacon technology: The device is equipped with a BLE radio module and can thus transmit a configurable iBeacon. The UUID as well as the major and minor ID are configurable. On top of that, all three radiated powers are supported (near, immediate, far).
ETH	10/100 Base-TX, autosensing, auto node hub, PoE compliant with IEEE 802.3af
DSL over LAN (DSLol)	The 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	Two reverse SMA connectors for external LANCOM AirLancer Extender antennas or for antennas from other vendors.

Declaration of conformity
For the declaration of conformity, see the product page on our website www.lancom-systems.eu

Package content	
Manual	Quick Installation Guide (DE/EN/FR/ES/IT/PT/NL)
CD/DVD	CD/DVD with firmware, management software (LANconfig, LANmonitor, LANCAPI) and documentation
Cable	Ethernet cable, 3m (LAN: kiwi-colored connectors; WAN: green connectors)
Antennas	Two 1.7-dBi dipole antennas
Power adapter	External power adapter, NEST 12 V/1.5 A DC/S, barrel connector 2.1/5.5 mm bayonet, LANCOM item no. 110723 (EU, 230 V), LANCOM item no. 110829 (UK, 230 V)

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TECHNICAL DATA