LANCOM LN-1700UE
Quick Reference Guide

Cloud-ready

LANCOM Systems

DC 12 V   ETH1 (PoE)   ETH2   Reset   Config (Com)

① ② ③ ④ ⑤
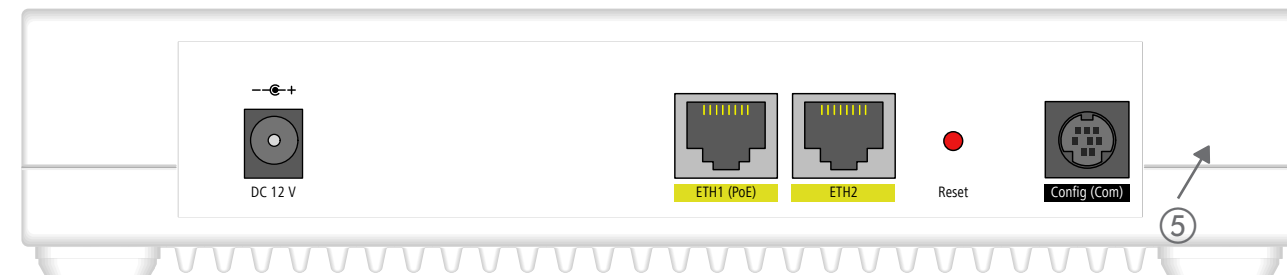
① **Power**
After connecting the cable to the device, turn the connector 90° clockwise to prevent it from accidental unplugging. Use only the supplied power adapter.

② **Ethernet interface**
Use the cable with the Ethernet connectors to connect interface ETH1 (PoE) or ETH2 to your PC or a LAN switch.

③ **Reset button**
Pressed up to 5 seconds: device restart

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

④ **Serial interface**
You can optionally configure the device by connecting it to a PC with a configuration cable (separately available).

⑤ **USB interface (inner right side)**
Connect compatible USB devices either directly to the USB interface, or use a suitable USB cable.
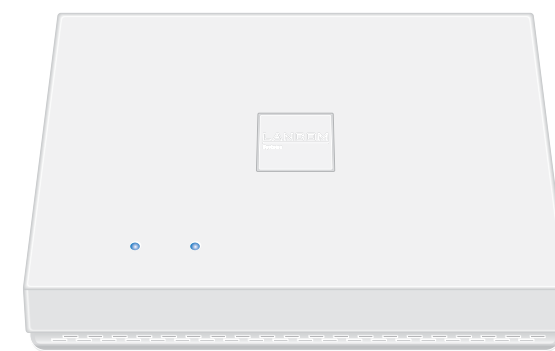
90°

Reset
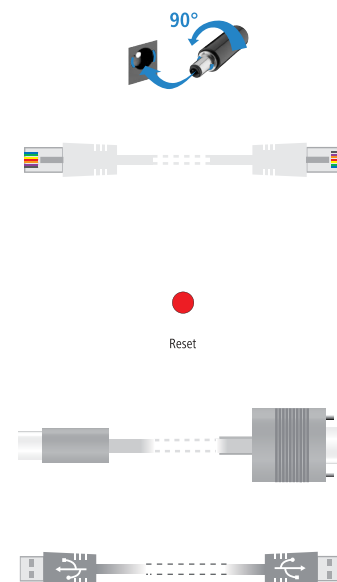
Please observe the following when setting up the device
> For devices to be operated on the desktop, please attach the adhesive rubber footpads
> Do not rest any objects on top of the device
> Keep the ventilation slots on the side of the device clear of obstruction

> Lockable wall and ceiling mounting with the LANCOM Wall Mount (LN) (available as an accessory)
> Please note that when operating both Wi-Fi modules in the same frequency band, mutual interference cannot be ruled out

Before initial startup, please make sure to take notice of the information regarding the intended use in the enclosed installation guide!
Operate the device only with a professionally installed power supply at a nearby power socket that is freely accessible at all times.

MOUNTING AND CONNECTING THE DEVICE

① ②

① Power

Off	Device switched off
Green, permanently*	Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible.
Orange, permanently	No adequate PoE-power supply via 802.3af, operation of the second Wi-Fi interface not possible
Red / green, blinking	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
Orange / green, blinking alternately with the WLAN link LED	At least one Wi-Fi module is in managed mode and has not found a WLAN controller yet. The corresponding Wi-Fi module(s) is/are switched off until a WLAN controller has been found to supply a configuration, or until being switched manually into another operating mode.
Orange / red, blinking alternately with the WLAN link LED	At least one Wi-Fi module is in managed mode and has found a WLAN controller. However, the WLAN controller cannot assign a configuration because the firmware and/or the device's loader version is not compatible with the WLAN controller.
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 WLAN link

Off	No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons.
Green, permanently	At least one Wi-Fi network defined and Wi-Fi module activated. The Wi-Fi module is transmitting beacons.
Green, inverse flashing	Number of flashes = number of connected Wi-Fi stations and P2P wireless connections, followed by a pause (default). Alternatively the flashing frequency can indicate signal strength over the defined P2P link or the signal strength between the access point and the device operating in client mode.
Green, blinking	DFS scanning or other scan procedure
Red, blinking	Wi-Fi module hardware error

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

Hardware

Power supply	12 V DC, external power adapter (110 V or 230 V) with bayonet connector to secure against disconnection or PoE based on 802.3at via ETH1
Power consumption	Approx. 20.4 W via 12 V / 2 A power adapter (value solely refers to the power consumption of the access point). Approx. 22.3 W via PoE (value solely refers to the power consumption of the access point)
Environment	Temperature range 0–40 °C for vertical wall mount with LANCOM Wall Mount (LN), Temperature range 0–35 °C for horizontal ceiling mount with LANCOM Wall Mount (LN). Access point overheating is avoided by automatic throttling of the Wi-Fi modules. Humidity 0-95 %, non-condensing
Housing	Robust synthetic housing, rear connectors, ready for wall and ceiling mounting; measures 205 x 42 x 205 mm (W x H x D)
Number of fans	None; fanless design, no rotating parts, high MTBF

Bluetooth Low Energy

iBeacon	The device can broadcast a configurable iBeacon.
Scanner	The device can collect data of BLE devices in the neighborhood and forward this data to external systems for evaluation purposes.

Interfaces

ETH1 (PoE)	10 / 100 / 1000 Base-TX, autosensing, auto node hub, line bundling via LACP, PoE adapter compliant to IEEE 802.3at required
ETH2	10 / 100 / 1000 Base-TX, autosensing, auto node hub, line bundling via LACP
Serial interface	Serial configuration interface / COM-port (8-pin mini-DIN): 9,600 - 115,000 baud
USB	USB 2.0 Hi-Speed Host-Port
Wireless ePaper Displays	The device is equipped with a Wi-Fi module for actuating LANCOM Wireless ePaper Displays in the 2.4 GHz frequency band.
iBeacon	The device is equipped with a BLE module and thus can transmit a configurable iBeacon.

Declaration of conformity

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, 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

Documentation	Installation Guide (DE / EN), Quick Reference Guide (DE / EN)
Cable	Ethernet cable, 3 m
Power adapter	External power adapter, NEST 12 V / 2 A DC/S, barrel connector 2.1 / 5.5 mm bayonet, LANCOM item no. 111590 (EU, 230 V) (not for WW devices)

TECHNICAL DETAILS