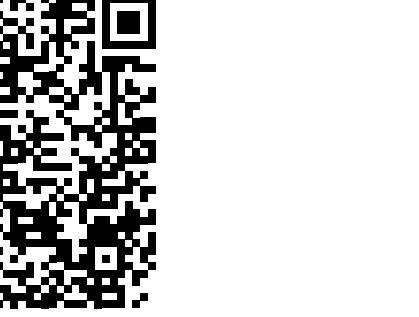
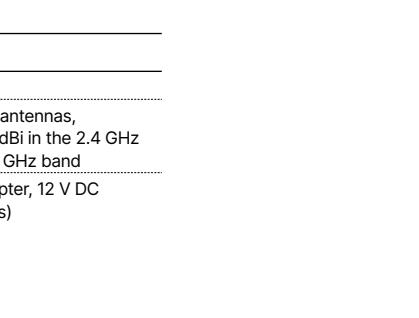
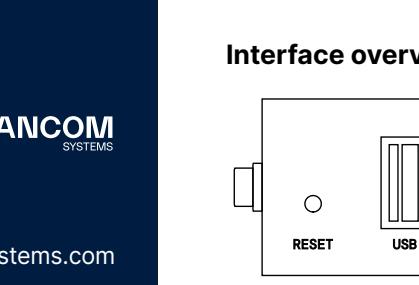


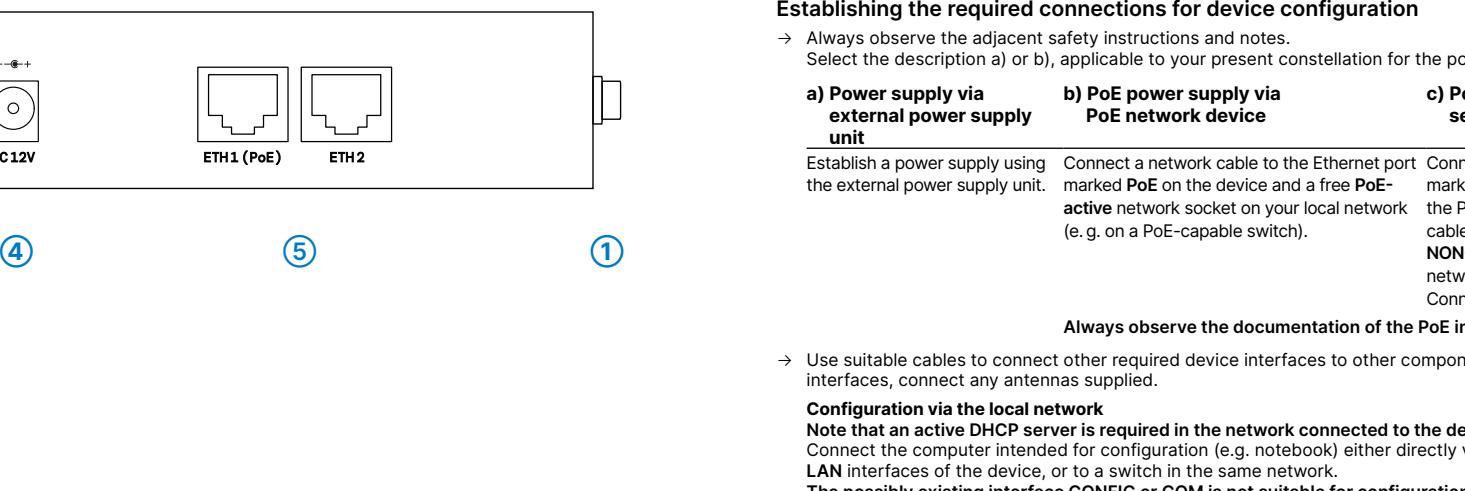
Documentation / Firmware	Service & Support	All information on your device
Basically, current versions of the LCOS LX firmware, drivers, tools and documentation for all LANCOM and AirLancer products are available for download free of charge from our website.	The LANCOM Knowledge Base — with over 2,500 articles — is available to you at any time via the LANCOM website: www.lancom-systems.com/knowledgebase	
You will also find explanations of all the functions of your LANCOM device in the LCOS Reference Manual: www.lancom-systems.de/docs/LCOS_Refmanual/EN/	If you have any further questions, please submit your request via our Service & Support portal: www.lancom-systems.com/service-support	
All information on the interfaces and connection options of your device can be found under the following QR code in the Hardware Quick Reference :		
Package contents		
Cable	Ethernet cable, 3 m	
Antennas	4 dipole dual-band antennas, maximum gain: 2,3 dBi in the 2.4 GHz band, 5 dBi in the 5 GHz band	
Power adapter	External power adapter, 12 V DC (not for WW devices)	

Quick Installation Guide

LANCOM LX-6212



Interface overview of the LANCOM LX-6212



Initial start-up

Establishing the required connections for device configuration

- Always observe the adjacent safety instructions and notes.
- If antennas are available, they may only be installed or replaced when the device is switched off. Mounting / demounting antennas while the device is powered on may cause the destruction of the radio module.
- Mounting, installation, and commissioning of the device may only be carried out by qualified personnel.

General safety instructions

Establishing the required connections for device configuration

- Under no circumstances should the device housing be opened and the device repaired without authorization. Any device with a case that has been opened is excluded from the warranty.
- Select the description a) or b), applicable to your present constellation for the power supply of the device

a) Power supply via external power supply

b) PoE power supply via PoE network device

c) PoE power supply via separate PoE injector

Establish a power supply using

Connect a network cable to the Ethernet port

Connect a network cable to the Ethernet port

marked PoE on the device and a free PoE-active network socket on your local network (e.g. on a PoE-capable switch).

marked PoE on the device and the output of the PoE injector. Then connect another network cable to the input of the PoE injector and a free NON-PoE-active network outlet of your local network.

Connect the PoE injector to the power supply.

Always observe the documentation of the PoE injector or PoE switch!

Before commissioning the device, be sure to study the corresponding Hardware Quick Reference which can be downloaded from the LANCOM website www.lancom-systems.com/downloads.

Any warranty and liability claims against LANCOM Systems are excluded in the event of any use other than the intended use described below!

Environment

LANCOM devices should only be operated when the following environmental requirements are met:

- Ensure that you comply with the temperature and humidity ranges specified in the Quick Reference Guide for the LANCOM device.
- Do not expose the device to direct sunlight (does not apply to outdoor devices).
- Ensure that there is adequate air circulation and do not obstruct the ventilation slots.
- Do not cover devices or stack them on top of one another
- The device must be mounted so that it is freely accessible (for example, it should be accessible without the use of technical aids such as elevating platforms (does not apply to outdoor devices); a permanent installation (e.g. under a table) is not permitted.
- Only outdoor equipment intended for this purpose is to be operated outdoors.

Safety instructions and intended use

In order to avoid harming yourself, third parties or your equipment when installing your LANCOM device, please observe the following safety instructions. Operate the device only as described in the corresponding documentation. Pay particular attention to all warnings and safety instructions. Use only those third-party devices and components that are recommended or approved by LANCOM Systems.

Before commissioning the device, be sure to study the corresponding Hardware Quick Reference which can be downloaded from the LANCOM website www.lancom-systems.com/downloads.

Any warranty and liability claims against LANCOM Systems are excluded in the event of any use other than the intended use described below!

Configuration via the local network

Note that an active DHCP server is required in the network connected to the device.

Connect the computer intended for configuration (e.g. notebook) either directly via Ethernet cable to one of the ETH or LAN interfaces of the device, or to a switch in the same network.

The possibly existing interface CONFIG or COM is not suitable for configuration via the network!

Options for initial start-up of the unconfigured device

→ Option 1: via the LANCOM Management Cloud (LMC)

The LANCOM Management Cloud allows LANCOM partners to automate the commissioning, centralized management, and monitoring of LANCOM devices. Further information on commissioning and configuration via the LMC can be found at www.lancom-systems.com/lmc-access.

→ Option 2: via web browser (WEBconfig)

Configuration via web browser is an easy and fast variant, since no additional software is required on the computer used for configuration.

Note: If a certificate warning appears in your browser when trying to connect to your device, there is a button or link on the displayed browser page to connect to the device anyway (depending on the browser, usually under **Advanced**).

If available, the power plug of the device must be freely accessible.

Operate the device only with a professionally installed power supply at a nearby and at all times freely accessible socket.

Only use the enclosed power supply / IEC cable or the one listed in the hardware quick reference.

A high touch current is possible for devices with metal housing and grounding screw! Before connecting the power supply, connect the grounding screw to a suitable ground potential.

Some devices support power supply via an Ethernet cable (Power over Ethernet - PoE). Please refer to the corresponding notes in the hardware quick reference of the device.

Never operate damaged components.

Only switch on the device when the housing is closed.

The device must not be installed during thunderstorms and should be disconnected from the power supply during thunderstorms.

In case of emergency (e.g. damage, ingress of liquids or objects, for example through the ventilation slots), disconnect the power supply immediately.

Applications

→ Option 3: via the Windows software LANconfig (www.lancom-systems.com/downloads)

Please wait until the booting process of the device is completed before starting LANconfig.

LANCOM access points start in managed mode and are only found automatically in the local area network (LAN) with the option **Extend search to managed APs**.

Open the device configuration by double-clicking on the unconfigured device in the device list. Confirm the security notice and first configure a device password under **Management** → **Admin** → **Device configuration**.

Under **Wireless-LAN** → **WLAN-Networks** → **General/Network** → **Add**, configure an SSID and an associated password (PSK). The initial commissioning of the device is now complete.

Regulatory Notice

Regulatory compliance for devices with radio/Wi-Fi interfaces

This LANCOM device is subject to governmental regulation. The user is responsible for ensuring that this device operates in accordance with local regulatory guidelines, specifically for compliance with potential channel restrictions.

Channel restriction in Wi-Fi operation for devices with Wi-Fi interfaces

When operating this radio equipment in EU countries the frequency range 5,15 - 5,35 MHz (Wi-Fi channels 36 - 40) as well as the frequency range 5,45 - 6,25 MHz (Wi-Fi channels 9 - 13) is limited to indoor use.

Technology

Frequency range

Max. output power (dBm EIRP)

Technology	Frequency range (MHz)	Max. output power (dBm EIRP)
Wi-Fi	2,4 - 2,435, 5,1 - 5,35, 5,45 - 6,25	20
SRD/LTE / SDR / ETSI Paper	2,4 - 2,435, 5,1 - 5,35	30
SRD/SubGz-ESL	5,45 - 6,25	2,3
SRD / SubGz-ESL	2,4 - 2,435, 5,1 - 5,35	10
SRD / SubGz-ESL	5,45 - 6,25	1,4 / 5,20

Declaration of Conformity

You will find the Declaration of Conformity concerning our products under www.lancom-systems.com/documents. The document contains all the required standards and required guidelines in the area of EMC, SAFETY, R&TTE, as well as the proof of the guidelines concerning RoHS & REACH.

CE Simplified Declaration of Conformity

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/21 | D-51416 Wesseling, declares that this device is in compliance with Directives 2014/30/EU, 2014/53/EU, 2014/51/EU and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following address: www.lancom-systems.com/documents

Symbols on the device label



The appliance must not be disposed of with household waste.



Surface may be hot!