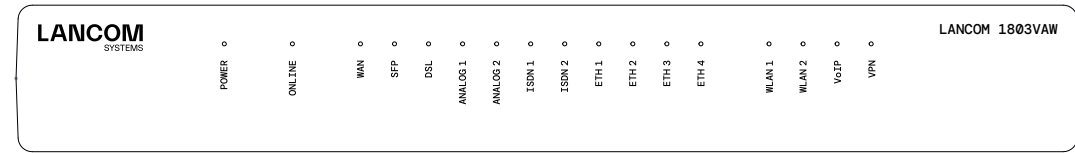




## LEDs overview of the LANCOM 1803VAW



- A B C D E F G H I J K

Table with 2 columns: LED Label and Description. Rows include Power, Online, WAN, DSL, Analog 1/2, ISDN 1/2, ETH 1-4, WLAN 1/2, VoIP, and VPN.

## Quick Installation Guide

# LANCOM 1803VAW

Documentation / Firmware | Service & Support | All information on your device

Basically, current versions of the LCOS firmware, drivers, tools and documentation for all LANCOM and AirLancer products are available for download free of charge from our website.



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/

All information on the interfaces and connection options of your device can be found under the following QR code in the Hardware Quick Reference:

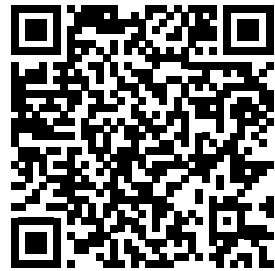


Table with 2 columns: Package contents and Description. Rows include Cables (DSL, Ethernet), Adapters (TAE), Antennas (3 dBi), and Power adapter (External).

## Initial start-up

### Setting up the required connections for device configuration

- Connect the power supply to a power socket using the enclosed or another suitable IEC cable... Only for devices with integrated DSL modem... Use suitable cables or modules to connect other required device interfaces... Depending on the device equipment, choose one of the following configuration methods a), b), or c)

- a) Configuration via the local network (recommended) - Configuration via the serial interface - Configuration via the USB interface

### Options for initial start-up of the unconfigured device

- Option 1: via web browser (WEBconfig, not for serially connected devices) - Note: If a certificate warning appears in your browser when trying to connect to your device...

- a) Configuration in a network without active DHCP server - b) Configuration in a network with active DHCP server

The device can be accessed from any computer with the Auto DHCP function enabled using a web browser under the IP address 172.23.56.254. The given IP address can be modified at any time.

- When the computer is connected to an unconfigured LANCOM device, WEBconfig automatically starts the setup wizard Basic settings. After the setup wizard has been run through, the initial commissioning of the device is complete.

- Option 2: via the Windows software LANconfig (www.lancom-systems.com/downloads) - Option 3: via the LANCOM Management Cloud (LMC)

The LMC is not required for the operation of LANCOM devices, but it facilitates their commissioning and permanent management through centralized, automated management. Special requirements are necessary to configure the device via the LMC. Information on this topic can be found at www.lancom-systems.com/lmc-access.

## General safety instructions

- 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. If antennas are available, they may only be installed or replaced when the device is switched off. Mounting or demounting antennas while the device is powered on may cause the destruction of the radio module.

## 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!

## 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. 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); a permanent installation (e.g. under plaster) is not permitted. Only outdoor equipment intended for this purpose is to be operated outdoors.

## Power supply

Before start-up, the following points must be observed, as improper use can lead to personal injury and damage to property, as well as voiding the warranty:

- The mains 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

- The devices may only be used in accordance with the relevant national regulations and under consideration of the legal situation applicable there. The devices must not be used for the actuation, control, and data transmission of machinery that, in case of malfunction or failure, may present a danger to life and limb, nor for the operation of critical infrastructures. The devices with their respective software are not designed, intended or certified for use in: the operation of weapons, weapons systems, nuclear facilities, mass transportation, autonomous vehicles, aircraft, life support computers or equipment (including resuscitators and surgical implants), pollution control, hazardous materials management, or other hazardous applications where failure of the device or software could lead to a situation in which personal injury or death could result. The customer is aware that the use of the devices or software in such applications is entirely at the customer's risk.

## Regulatory Notice

### Regulatory compliance for devices with radio or 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 restrictions in Wi-Fi operation for devices with Wi-Fi interfaces

When operating this radio equipment in EU countries the frequency range 5,150 – 5,350 MHz (Wi-Fi channels 36 – 64) as well as the frequency range 5,945 – 6,425 MHz (Wi-Fi channels 1 – 93) is limited to indoor use.

### Maximum transmission power for devices with radio interfaces

This LANCOM device may contain one or more radio interfaces using various technologies. The maximum output power per technology and used frequency band for use in EU countries is described in the following tables:

Table with 3 columns: Technology, Frequency range (MHz), and Max. output power (dBm EIRP). Rows include Wi-Fi, SRD / BLE / SRD / ESL (ePaper), SRD / SubGHz-ESL, LTE (Band 1, 3, 7, 8, 20), and UMTS (Band 2, 4, 5).

## Declarations of Conformity

You will find all the Declarations of Conformity concerning our product portfolio under www.lancom-systems.com/doc. These documents contain all the tested standards and required guidelines in the area of EMC - SAFETY - RF, as well as the proof of the guidelines concerning RoHS & REACH.

## CE Simplified Declaration of Conformity

Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuerselen, declares that this device is in compliance with Directives 2014/30/EU, 2014/35/EU, 2014/53/EU, 2011/65/EU, and Regulation (EC) No. 1907/2006. The full text of the EU Declaration of Conformity is available at the following Internet address: www.lancom-systems.com/doc