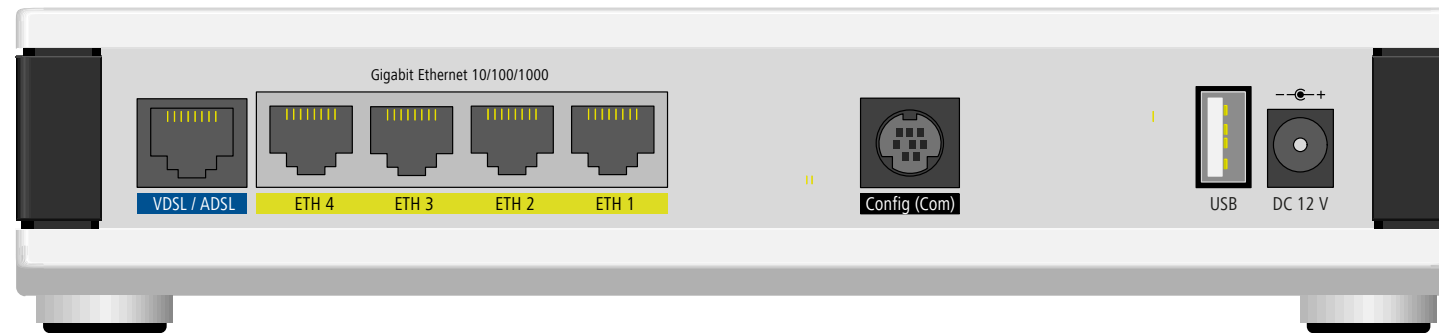


LANCOM 1790VA

Quick Reference Guide



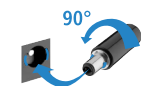
LANCOM
Systems



- ① **VDSL / ADSL interface**
Use the supplied DSL cable for the IP-based line to connect the VDSL interface and the provider's telephone socket. For more information, please contact your Internet service provider.
- ② **Ethernet interfaces**
Use the cable with the kiwi-colored connectors to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.
- ③ **Configuration interface**
Use a serial configuration cable to connect the serial interface (COM) to the serial interface of the device you want to use for configuring / monitoring (separately available).



- ④ **USB interface**
Connect compatible USB devices either directly to the USB interface, or use a suitable USB cable.
- ⑤ **Power**
After connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place. Use only the supplied power adapter.

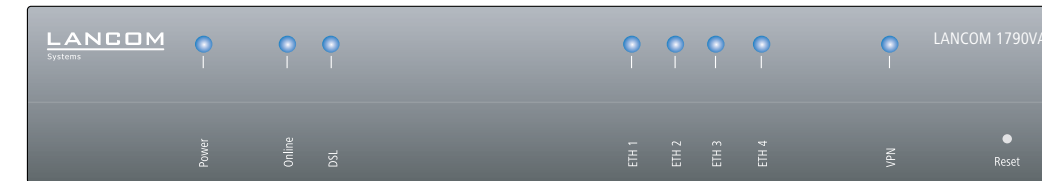


Please observe the following when setting up the device

- > Do not rest any objects on top of the device
- > For devices to be operated on the desktop, please attach the adhesive rubber footpads
- > In case of wall mounting, use the drilling template as supplied
- > Keep the ventilation slots of the device clear of obstruction
- > Rack installation with the optional LANCOM Rack Mount (separately available)

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 Power	④ ETH
Off	Off
Green, permanently*	Green, permanently
Red / green blinking	Green, flickering
Red blinking	
1x green inverse blinking*	
2x green inverse blinking*	
3x green inverse blinking*	
② Online	⑤ VPN
Off	Off
Green, blinking	Green, permanently
Green, permanently	Green, flashing
Red, permanently	
③ DSL	⑥ Reset
Off	Reset button
Green, permanently	
Green, flickering	
Red, flickering	
Red / orange, blinking	
Orange, blinking	
Orange, permanently	
Green, blinking	

Device switched off	No networking device attached
Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible	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 transmission
Charge or time limit reached	
Connection to the LMC active, pairing OK, device not claimed	
Pairing error, resp. LMC activation code not available	
LMC not accessible, resp. communication error	
WAN connection inactive	Operated e.g. with a paper clip
WAN connection is established (e.g. PPP negotiation)	> short press: Restart the device
WAN connection active	> long press: Reset the device
WAN connection error	

Interface deactivated	
DSL connection active	
DSL data transfer	
DSL transfer error	
DSL hardware error	
DSL training	
DSL sync	
DSL connecting	

*) 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 (230 V); bayonet connector to secure against disconnection
Power consumption	Max. 14 W
Environment	Temperature range 0–35 °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

Interfaces	
WAN: VDSL2	<ul style="list-style-type: none"> > VDSL2 as per ITU G.993.2; profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a, 35b > VDSL Supervectoring as per ITU G.993.2 (Annex Q) > VDSL2 vectoring as per ITU G.993.5 (G.Vector) > Compatible to VDSL2 from Deutsche Telekom > Compatible to U-R2 from Deutsche Telekom (1TR112) > ADSL2+ over ISDN as per ITU G.992.5 Annex B/J with DPBO, ITU G.992.3, and ITU G.992.1 > ADSL2+ over POTS as per ITU G.992.5 Annex A/M with DPBO, ITU G.992.3, and ITU.G.992.1 > Supports just one virtual connection at a time in ATM (VPI-VCI pair)
ETH	4 individual ports, 10 / 100 / 1000 Mbps Gigabit Ethernet, by default set to switch mode. Up to 3 ports can be operated as additional WAN ports. Ethernet ports can be electrically disabled in the LCOS configuration.
USB	USB 2.0 hi-speed host port
Config (Com) / V.24	Serial configuration interface/COM-port (8-pin mini-DIN); 9,600 - 115,200 baud, suitable for optional connection of analog/GPRS modems. Supports internal COM-port server and provides transparent asynchronous serial-data transfer via TCP.

WAN protocols	
VDSL, ADSL, Ethernet	PPPoE, PPPoA, IPoA, Multi-PPPoE, ML-PPP, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN

Declaration of Conformity
Hereby, LANCOM Systems GmbH | Adenauerstrasse 20/B2 | D-52146 Wuersele, declares that this device is in compliance with Directives 2014/30/EU, 2014/35/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

Package content	
Documentation	Quick Reference Guide (DE/EN); Installation Guide (DE/EN)
Cable	1 Ethernet cable, 3 m (kiwi colored connectors); 1 DSL cable for an IP-based line, 4.25 m
Power adapter	External power supply adapter 12 V / 2 A DC/S; barrel / bayonet (EU), LANCOM item no. 111303 (not for WW devices)

This product contains separate open-source software components which are subject to their own licenses, in particular the General Public License (GPL). The license information for the device firmware (LCOS) is available on the device's WEBconfig interface under "Extras > License information". If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request.