



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 and do not stack multiple devices



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



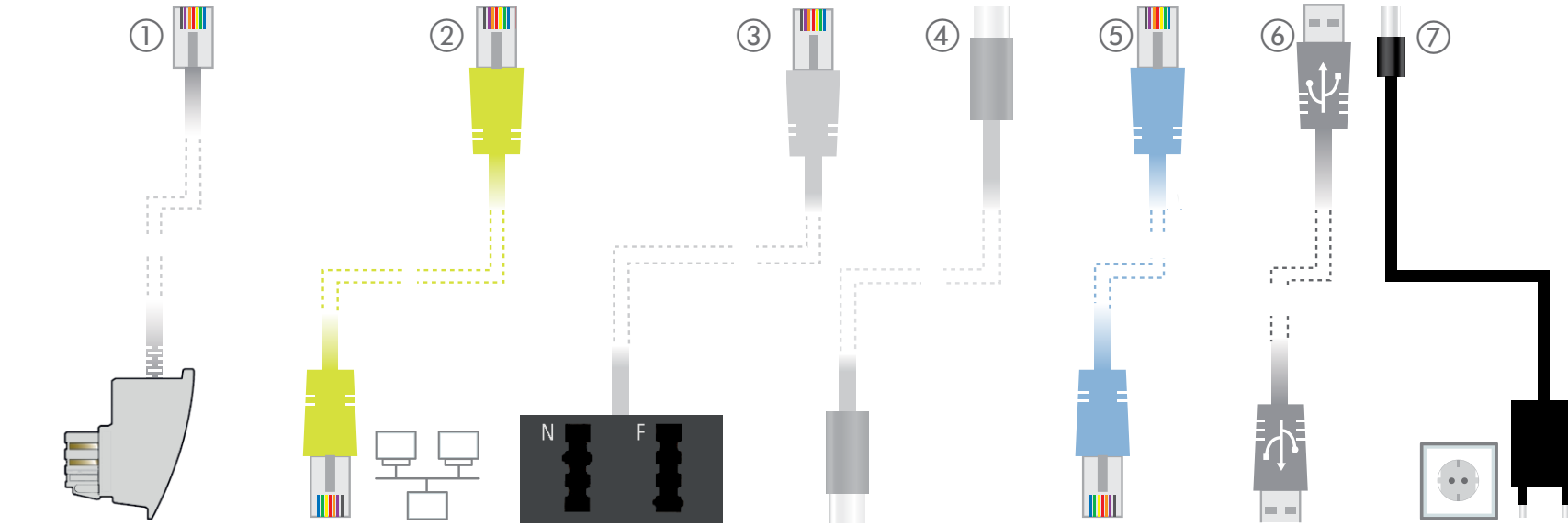
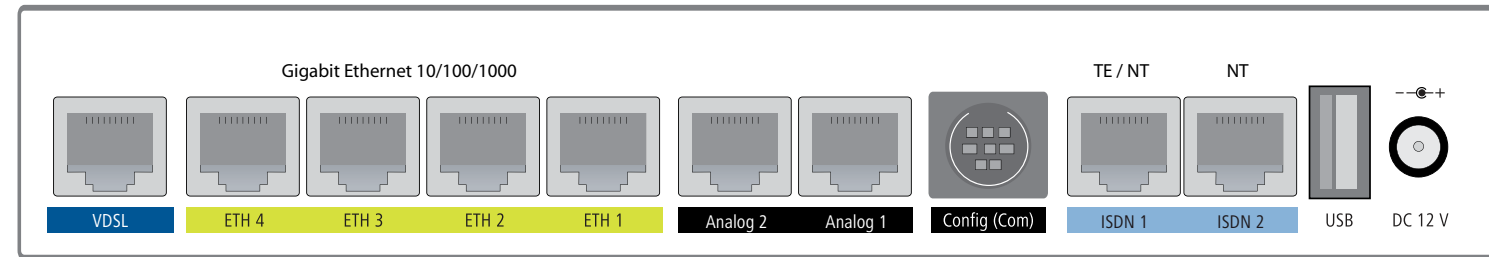
- > Rack installation with the optional LANCOM Rack Mount (not supplied)



LANCOM 883 VoIP Quick Reference Guide



LANCOM
Systems

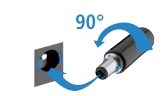


- VDSL interface**
Use the supplied DSL cable for the IP-based line to connect the VDSL interface and the provider's telephone socket. For more information, please contact your Internet service provider.
- Ethernet interface**
Use the cable with the green-colored connectors to connect one of the interfaces ETH 1 to ETH 4 to your PC or a LAN switch.
- Analog interface**
Connect analog terminal devices to the analog interfaces either directly via RJ11 or with the help of the enclosed TAE adapter.
- Serial interface**
Configuring the device via the serial interface requires a serial configuration cable (available as an accessory).
- ISDN interface**
ISDN 1
Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS.

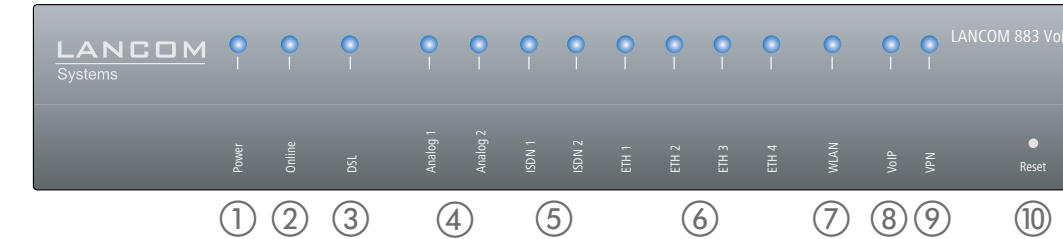
ISDN 2
Internal (NT) ISDN bus.

A 100-Ohm resistor for line termination is switchable in LCOS.
- USB interface**
You can use the USB interface to connect a USB printer or a USB drive.
- 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	Off: Device switched off Green, permanently*: Device operational, resp. device paired / claimed and LANCOM Management Cloud (LMC) accessible Green/red, blinking: No password set. Without a password the configuration data in the device is unprotected. Red, blinking: Charge or time limit reached 1x green inverse blinking*: Connection to the LMC active, pairing OK, device not claimed 2x green inverse blinking*: Pairing error, resp. LMC activation code not available 3x green inverse blinking*: LMC not accessible, resp. communication error
2 Online	Off: WAN connection inactive Green, permanently: WAN connection active Red, permanently: WAN connection error
3 DSL	Off: Interface deactivated Green, permanently: DSL connection active Green, flickering: DSL data transfer Red, flickering: DSL transfer error Red/orange, blinking: DSL hardware error Orange, blinking: DSL training Orange, permanently: DSL sync Green, blinking: DSL connecting
4 Analog	Off: Interface deactivated Green, permanently: Interface activated Orange, blinking: Incoming call Green, blinking: Connection active
5 ISDN	Off: Interface deactivated Green, permanently: D-channel active Green, flickering: ISDN data transfer Red, flickering: ISDN transfer error Red/orange, blinking: ISDN hardware error
6 ETH	Off: No networking device attached Green, permanently: Connection to network device operational, no data traffic Green, flickering: Data transmission
7 WLAN	Off: No Wi-Fi network defined or Wi-Fi module deactivated. The Wi-Fi module is not transmitting beacons. Green, permanently: Wi-Fi module is activated and at least one Wi-Fi network is defined. The Wi-Fi module is transmitting beacons. Green, blinking: DFS scanning or other scan procedure
8 VoIP	Off: No SIP accounts defined or VCM is off Green, permanently: All defined and active SIP accounts (outgoing) were successfully registered Red, permanently: Not all of the defined and active SIP accounts were registered (possibly still in process) Red or green, inverse flashing: Number of currently used lines (connecting or connected)
9 VPN	Off: VPN connection inactive Green, permanently: VPN connection active Green, flashing: VPN connecting
10 Reset	Reset switch: Operated e.g. with a paper clip short press > Restart the device long press > Reset the device

*) 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. ca. 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	> VDSL2 as per ITU G.993.2; profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a > Compatible to Deutsche Telekom VDSL2 > ADSL conformity according to: ADSL2+ over ISDN as per ITU G.992.5 Annex B/J with DPBO, ADSL2 over ISDN according to ITU G.992.3 Annex B, ADSL over ISDN as per ITU G.992.1 Annex B. > Supports one virtual connection at a time in ATM (VPI-VCI pair)
Wi-Fi	> Frequency band: 2400-2483.5 MHz (ISM) or 5150-5725 MHz (restrictions vary between countries) > Radio channels 2.4 GHz: Up to 13 channels, max. 3 non-overlapping (2.4-GHz band) > Radio channels 5 GHz: Up to 19 non-overlapping channels (channels available vary according to country regulations; DFS for automatic dynamic channel selection required)
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 for connecting USB printers (USB print server), serial devices (COM-port server) or USB drives (FAT file system)
ISDN 1 / ISDN 2	ISDN 1: Internal (NT) or external (TE) ISDN bus. This feature is controlled by LCOS. ISDN 2: Internal (NT) ISDN bus.
Analog 1 / Analog 2	Use the cable of your analog devices to connect them with the analog interfaces. If necessary, use the enclosed adapter.
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
ISDN	DSS1 (Euro- ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD

Declaration of Conformity
Hereby, LANCOM Systems declares that this device is in compliance with Directives 2014/30/EU and 2014/35/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	Quick Reference Guide (DE/EN); Installation Guide (DE/EN)
Cable	1 DSL cable for an IP-based line, 4.25m
Adapters	2 TAE adapters (RJ11 - TAE)
Power adapter	External power supply adapter (230 V); NEST 12 V / 1.5 A DC/S; barrel connector 2.1 / 5.5 mm bayonet; LANCOM item no. 111301

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.