

Business LAN R800V

Quick Reference Guide



Life is for sharing.



Please observe the following when setting up the device

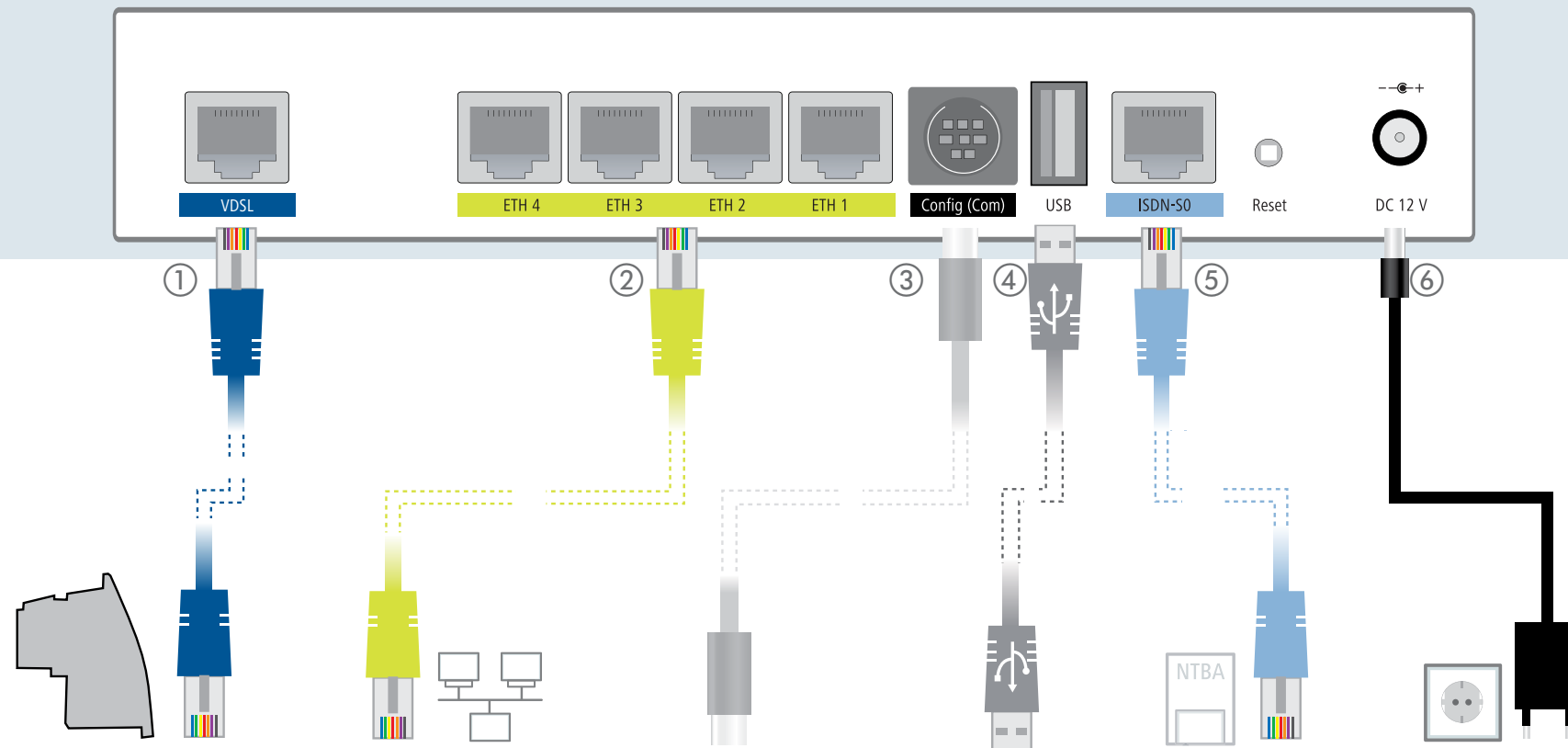
- For devices to be operated on the desktop, please attach the adhesive rubber footpads
- Do not rest any objects on top of the device



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



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



① VDSL/ADSL cable*
Connect the cable with the dark-blue connector to the DSL splitter from your provider. Please ensure that you carefully follow any instructions from your provider regarding the installation of the DSL splitter and NTBA (if applicable).

* If you are not using a splitter, please use the DSL cable from your Internet provider or the enclosed adapter.
For more information, please contact your Internet service provider.

② LAN cable
Use the cable with the green-colored connectors to connect one of the interfaces ETH1 to ETH4 to your PC or a LAN switch.

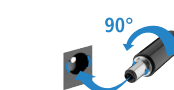
③ Optional: Serial configuration cable
You can configure the device by connecting it to a PC with a configuration cable (available separately).

④ Optional: USB cable
You can use the USB interface to connect a USB printer or a USB drive. USB cable not supplied.

⑤ ISDN cable
If you wish to operate ISDN, use the ISDN cable with the light-blue connectors to connect the ISDN interface to the NTBA.

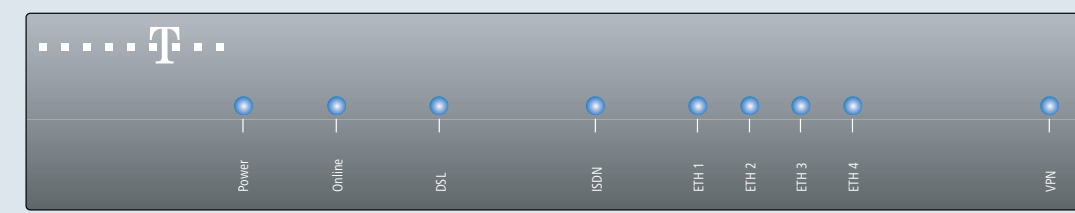
Note:
To operate ISDN bus internally, please note the enclosed Installation Guide for the All-IP Option

⑥ Power cord
When connecting the cable to the device, turn the bayonet connector 90° clockwise until it clicks into place.



Use only the supplied power adapter.

SETTING UP AND CONNECTING THE DEVICE



① Power

Off	Device switched off
Green, on (constant)	Device operational
Blinking green/orange	Configuration password not set. Without a configuration password, the configuration data in the device is unprotected.
Red, blinking	Charge or time limit reached

② Online

Off	WAN connection inactive
Green, on (constant)	WAN connection active
Red on (permanently)	WAN connection error

③ DSL

Off	Interface deactivated
Green, on (constant)	DSL connection active
Flickering green	DSL data transfer
Flickering red	DSL transfer error
Blinking red/orange	DSL hardware error

④ ISDN

Off	Interface deactivated
Green, on (constant)	D-channel active
Orange on (permanently)	B-channel active
Flickering orange	ISDN data transfer
Flickering red	ISDN transfer error
Blinking red/orange	ISDN hardware error

⑤ ETH

Off	No networking device attached
Green, on (constant)	Connection to network device operational, no data traffic
Flickering green	Data transmission

⑥ VPN

Off	VPN connection inactive
Green, on (constant)	VPN connection active
Blinking green	VPN connecting

Hardware	
Power supply	12V DC, external power adapter (230V) with bayonet connector to secure against disconnection
Power consumption	Max. ca. 14 W
Environment	Temperature range 0-40 °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	
VDSL2	<ul style="list-style-type: none"> VDSL2 as per ITU G.993.2, profiles 8a, 8b, 8c, 8d, 12a, 12b, 17a Compatible to VDSL2 from Deutsche Telekom ADSL conformity according to: ADSL2+ over ISDN as per ITU G.992.5 Annex B/J with DPBO, ADSL2 over ISDN as per ITU G.992.3 Annex B, ADSL over ISDN as per ITU G.992.1 Annex B. 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 high-speed host port for connecting USB printers (USB print server), serial devices (COM-port server) or USB drives (FAT file system)
ISDN	ISDN S _i bus
Config (Com)	Serial configuration interface/COM-port (8-pin mini-DIN): 9,600 - 115,000 baud, suitable for optional connection of analog/GPRS modems. Supports the internal COM-port server

WAN protocols	
VDSL, ADSL, Ethernet	PPPoE, Multi-PPPoE, ML-PPP, IPoA, PPPoA, PPTP (PAC or PNS) and IPoE (with or without DHCP), RIP-1, RIP-2, VLAN
ISDN	1TR6, DSS1 (Euro-ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD

Declaration of conformity
The Declaration of Conformity can be found on the product page under www.lancom.eu

Package content	
Manual	Quick Reference Card (DE/EN), All-IP Option Installation Guide (DE/EN)
CD/DVD	CD/DVD with firmware, management software (LANconfig, LANmonitor, LANCAPi) and documentation
Cable	1 Ethernet cable, 3 m (kiwi-colored connectors)
Cable	1 VDSL/ADSL cable, 3 m (dark-blue connectors)
Cable	1 ISDN cable, 3 m (light-blue connectors)
Adapters	All-IP adapter (TAE / RJ45), ISDN cross-over adapter without terminating resistor (gray), ISDN cross-over adapter with terminating resistor (black)
Power adapter	External power supply adapter (230V), NEST 12 V/1.5 A DC/S, barrel connector 2.1/5.5 mm bayonet, LANCOM item no. 110723

This product contains separate modem firmware with open-source software components. These are subject to their own licenses, in particular the General Public License (GPL). The license text for the modem firmware is available on the data medium supplied. If the respective license demands, the source files for the corresponding software components will be made available on a download server upon request. License information for the device firmware (LCOS) is available in the file LCOS-Licenses.txt on the data medium supplied.

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TECHNICAL DATA