

## LANCOM 1781AW

**Ouick Reference Guide** 





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

1 Power



Rack installation with the optional LANCOM Rack Mount (not power adapter. supplied)



DC 12 V

Screw the WLAN anten- Use the cable with the antennas are to be used, your PC or a LAN switch. separately). the 'Antenna Grouping' parameter may need to be configured in order

(2) WLAN antennas (3) LAN

configuration cable nas supplied to the con-kiwi-colored connectors You can connect the nectors Ant1 and Ant2. to connect one of the indevice to a PC with a concompatible USB cellular Depending on how the terfaces ETH1 to ETH4 to figuration cable (available modem, a USB printer

(5) Optional: USB You can use the USB interface to connect a or a USB flash drive for device configuration

Use the ISDN cable with Connect the cable with wish to use ISDN.

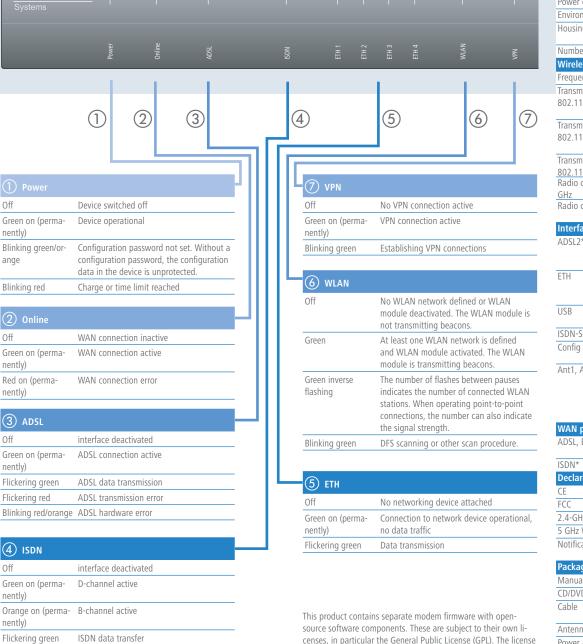
(6) ISDN cable \*

the light-blue connectors the dark-blue connectors to connect the ISDN in- to the DSL splitter from terface to the NTBA if you your provider. Please ensure that you carefully follow any instructions from your provider regarding the installation of the DSL splitter and NTBA (if applicable).



Flickering red ISDN transmission error

Blinking red/orange ISDN hardware error



text for the modem firmware is available on the data medium

available on the data medium supplied as well.

supplied. License information for the device firmware (LCOS) is

12 V DC, external power adapter (110 or 230V) with bayonet connector to secure against disconnection Temperature range 5 - 40 °C; humidity 0 - 95%; non-condensing Robust synthetic housing, rear connectors, ready for wall mounting, Kensington lock; measures 210 x 45 x None: fanless design, no rotating parts, high MTBF 2400-2483.5 MHz (ISM) or 5150-5825 MHz (restrictions vary between countries) 54 Mbps as per IEEE 802.11q (fallback to 48, 36, 24, 18, 12, 9, 6 Mbps, automatic rate selection) compatible to IEEE 802.11b (11, 5,5, 2, 1 Mbps, automatic rate selection), 802.11 b/g compatibility mode 54 Mbps as per IEEE 802.11a/h (fallback to 48, 36, 24, 18, 12, 9, 6 Mbps, automatic rate selection), full compatibility with TPC (adjustable power output) and DFS (automatic channel selection, radar detection) as per ETSI EN 301 893 V. 1.5.1., EN 302 502 300 Mbps as per IEEE 802.11n with MSC15 (fallback to 6.5 Mbps with MSC0). IEEE 802.11 a/g/n compatibility mode or pure g, pure a, pure n, IEEE 802.11n/g, IEEE 802.11n/a Radio channels 2.4 Up to 13 channels, max. 3 non-overlapping (2.4-GHz band) Radio channels 5 GHz Up to 26 non-overlapping channels (channels available vary according to country regulations; DFS for ADSL conformity according to: ADSL2+ as per ITU G.992.5 Annex A/Annex B/Annex J/Annex M, ADSL2 as per ITU G.992.3 Annex A/Annex B/Annex J/Annex M, ADSL as per ITU G.992.1 Annex A/Annex B Supports just one virtual connection at a time in ATM (VPI-VCI pai 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. The ports support the energy-efficient features as per IEEE 802.3az USB 2.0 Hi-Speed host port for connecting USB printers (USB print server), serial devices (COM-port servers), USB data media (FAT file system), or supported UMTS USB modems 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. Two reverse SMA connectors for the supplied dipole antennas, LANCOM AirLancer Extender antennas or for antennas from other vendors. Please respect the restrictions which apply in your country when setting US version: Antennas not part of the delivery content are a strict violation of FCC rules and must not be PPPOE, Multi-PPPOE, ML-PPP, PPTP (PAC or PNS), PPPOA, IPOA and IPOE (with or without DHCP), RIP-1 ADSL. Ethernet 1TR6, DSS1 (Euro- ISDN), PPP, X75, HDLC, ML-PPP, V.110/GSM/HSCSD claration of conformity EN 301 489-1, EN 301 489-17, EN 60950-1 FCC Class B part 15, FCC part 15.247, 15.407, FCC part 68 (US version only) EN 300 328 2.4-GHz WLAN 5 GHz WLAN EN 301 893 Version 1.5.1, EN 302 502 (BFWA) Certifications notified in Germany, Belgium, Netherlands, Luxembourg, Austria, Spain, Switzerland, UK, Italy, Portugal, Czech Republic, Denmark, France Ouick Reference Guide (DE/EN), Installation Guide (DE/EN/FR/ES/IT/PT/NL), FCC leaflet (US version only) Data medium with firmware, management software (LANconfig, LANmonitor) and documentation Ethernet cable, 3m (kiwi-colored connectors), ADSL cable, 3m (dark-blue connectors), ISDN cable\*, 3m Two external 3-dBi dipole dualband antennas, one internal 3dBi dipole dualband antenna External power adapter (230 V), NEST 12 V/1.5 A DC/S, coaxial power connector 2.1/5.5 mm bayonet, LANCOM item no. 110723 (EU), LANCOM item no 110829 (UK), LANCOM item no. 111007 (US, 110 V)

\*) ISDN is not available in US version 
\*\*) US version supports only Annex A/M







he system operator is responsible for adhering to the threshold values. Antennas are only to be attached or changed when the device is switched off.

ting or demounting antennas while the device switched on may cause the destruction of the WLAN modu ersion: Antennas not part of the delivery content are a strict violation of FCC rules and must not be used.