AVM FRITZ!Box 6890 LTE

High-speed Internet over LTE or DSL

The FRITZ!Box 6890 LTE by AVM is the first router that can be deployed on both DSL connections and in mobile telephone networks. For connection to the internet, it offers the option of an integrated 4G/3G modem, or a VDSL modem (including 35b supervectoring) for internet speeds of up to 300 Mbit/s. The latest high-end Wireless AC provides for even more range and significantly higher speeds of up to 2533 Mbit/s. With the accustomed ease and convenience, the FRITZ!Box 6890 LTE connects all computers, smartphones, tablets, printers and other network devices with the home network. Gigabit LAN, USB 3.0 and the telephone system with DECT base station and connectors for ISDN and analog telephones round out the versatile communication package.

High speed on all connections

The FRITZ!Box 6890 LTE transmits on five LTE and two UMTS frequencies and supports roaming for surfing in all mobile communication networks. Speeds of up to 300 Mbit/s can be achieved via both LTE and DSL. It can also be used on any DSL connection. With VDSL supervectoring, the FRITZ!Box already supports the future standard for backbone capacities of up to 300 Mbit/s. This triples the speed on the DSL connection, so that even downloads of huge data packets are completed at record speed. The FRITZ!Box 6890 LTE can be deployed both on IP and on conventional DSL connections (even with the option for analog or ISDN telephony) from all providers.

High-end Wireless AC+N with up to 2533 Mbit/s

With its innovative wireless LAN technology, the FRITZ!Box 6890 LTE is ideally suited for a home network with a high number of wireless devices. Thanks to the expanded multi-antenna technology (4 x 4 Multi-User MIMO) an optimum connection to several wireless devices used concurrently. At the same time, thanks to dual wireless LAN, the FRITZ!Box 6890 LTE transmits in the 2.4 GHz (Wireless N) and 5 GHz (Wireless AC) frequency bands in parallel, which means that two wireless are available, for total data rates of up to 2533 Mbit/s. Broadband-intensive applications can thus be used in parallel operation on multiple wireless devices—without any detriment to speed and stability. Multi-User MIMO further increases data throughput in the home network, so that wireless devices that also support MU-MIMO benefit from maximum speed thanks to concurrent data transmission.

Telephony options for everyone

With the integrated telecommunications system, analog and ISDN telephones as well as up to six DECT cordless telephones (FRITZ!Fon, for instance) can be registered. Via wireless LAN smartphones can turn into full-service landline/VoIP telephones. Multiple integrated answering machines, local telephone books and online telephone contacts and a slew of convenience functions round out the broad telephony palette of the FRITZ!Box 6890 LTE. Via the DECT base station, Smart Home devices like the switchable outlets FRITZ!DECT 200 and 210 can be controlled.

Versatile multimedia functions

The FRITZ!Box 6890 LTE brings into the home network all connected USB storage media as well as online storage media and all of the contents stored there. Thanks to the integrated media server joined with NAS, stored videos, music and pictures are made available for distribution to playback devices using a tablet or smartphone. USB 3.0 provides for ultra-fast data transfer. This makes the FRITZ!Box 6890 LTE a powerful and efficient platform for networked multimedia applications like IPTV, video on demand and media streaming. Yet thanks to many automated Eco mode features, the power consumption of the FRITZ!Box 6890 LTE remains extremely low.

AVM FRITZ!Box 6890 LTE at a Glance:

Internet connection

- Fast internet with up to 300 Mbit/s via LTE mobile communications (or, alternatively, UMTS)
- Suitable for all common mobile telephone networks in Europe
- Roaming support for surfing in all mobile communications networks
- For all DSL connection types and speeds (IP and ISDN/analog landline, VDSL and ADSL)
- Internet speeds of up to 300 Mbit/s via DSL through VDSL 35b supervectoring
- Secure internet use through the preconfigured firewall
- Secure remote access to the home or company network via VPN

Wireless LAN

- More performance, flexibility and the robust connections thanks to concurrent Wireless AC+N (dual band)
- Ultra-fast 1,733 Mbit/s and highly robust transmission via Wireless AC (5 GHz)
- Fast 800 Mbit/s and maximum range through Wireless N (2.4 GHz)
- Thanks to the expanded multi-antenna technology (MU MIMO), an optimum connection to several wireless devices used concurrently.
- Secure wireless LAN encryption in accordance with the WPA2 standard, individual password enabled upon delivery
- Simple, secure registration of new wireless devices in the home network at the push of a button (WPS)
- Convenient, secure wireless guest access without access to the private home network

Telephony

- Telephone system with versatile convenience functions for all telephones (analog, ISDN, DECT and IP telephones)
- DECT base station for up to 6 cordless telephones (including all FRITZ!Fon models) and for outlet switches and the FRITZ!DECT radiator control
- Up to five integrated answering machines with remote inquiry and optional e-mail forwarding
- Management of telephone books, online contacts (like Google contacts) can be integrated
- Fax reception and dispatch
- DECT radio switched off for standby operation (DECT Eco)

FRITZ!OS

- Simple, German-language user interface for all settings
- Provision of music, videos, and images via integrated media server, for instance on smart TV
- With MyFRITZ!, secure access to your own FRITZ!Box and network storage from anywhere in the world
- Parental controls with versatile filters, for instance time limits for internet access, blocks for websites and exchange platforms
- Convenient and secure allocation of the wireless/LAN guest access
- Adjustable brightness for device LEDs (manual or depending on ambient light)
- New functions constantly added with regular, free updates, always up to date with the auto update function
- Energy savings through scheduled wireless LAN switching and power adjustment for the LAN (Green mode)

Interfaces

- 1 powerful USB 3.0 port for storage media (NAS) and network printers

- 4 ultra-fast gigabit LAN ports for computers, televisions and other network devices
- 1 gigabit WAN port for connecting to cable or fiber optic modem
- 1 analog port, 1 ISDN S0 port
- 1 SIM card slot
- 2 SMA connectors for attaching mobile communications antennaa

AVM FRITZ!Box 6890 LTE – Ideal in combination with:

- FRITZ!Fon
- FRITZ!DECT
- FRITZ!WLAN Repeater
- FRITZ!Powerline
- FRITZ!WLAN USB Stick
- FRITZ!Apps

Package contents

- FRITZ!Box 6890 LTE
- Power supply adapter
- 4.25-meter DSL-telephone connecting cable
- External LTE antennas
- 4 meter DSL cable
- 1.5 meter LAN cable
- 1 x RJ11 to RJ45 in gray for the DSL connection
- 1 x RJ11 to RJ45 in black for the landline connection
- 1 x TAE to RJ11 for analog telephones on Fon1
- Installation guide
- FRITZ! Notice

Product information

AVM part number:	20002818
EAN:	4023125028182
Weight of FRITZ!Box:	574 g (including antennas)
Dimensions (LxWxH) in mm:	250 x 184 x 48 mm
Total product weight:	1243 g
Dimensions of box (LxWxH):	305 x 90 x 240 mm
Manufacturer's warranty:	5 years