

FRITZ!

FRITZ!Box 7690



Next-generation performance: The FRITZ!Box with Wi-Fi 7

The FRITZ!Box 7690 sets new standards for DSL internet. Equipped with innovative Wi-Fi 7, the FRITZ!Box 7690 guarantees Wi-Fi connections with transmission rates of up to 7136 Mbit/s. Thanks to advanced technology, now even more users can easily use the home network concurrently.

Thanks to the integrated 2.5 gigabit WAN/LAN and 2.5 Gbit/s LAN port, the 7690 is also ideal for operation behind a fiber optic modem (ONT).

What's more, the FRITZ!Box 7690 offers new smart home features: With the integration of Zigbee, smart home devices can now be seamlessly integrated into the home network.

The FRITZ!OS operating system makes it easy to integrate and control these devices. In addition, the highest security standards (WPA3/WPA2) ensure increased protection.

Product highlights



For every DSL connection up to 300 Mbit/s



**Innovative Wi-Fi 7:
High-speed Wi-Fi up to
5760 Mbit/s + 1376 Mbit/s**



**DECT ULE and Zigbee integrated
for the smart home**



**Mesh Wi-Fi: an intelligent Wi-Fi
system for the home network**



**FRITZ!OS:
Media server, NAS,
MyFRITZ!, auto update**



Technical specifications

Interfaces

- Wireless router with integrated xDSL modem
- Supports VDSL lines up to 300 Mbit/s and ADSL2+
- Router can be used with a fiber optic or cable modem, as well as with a mobile network dongle
- 1 x 2.5 gigabit WAN/LAN, 1 x 2.5 gigabit LAN, 2 x gigabit LAN
- Stateful Packet Inspection Firewall with port sharing for secure surfing
- Parental controls with time budget, youth protection module, blacklist and whitelist
- Complete support for IPv6 in the internet, home network and for telephony
- Secure remote access over the internet with VPN (IPSec and WireGuard)
- Security wizard with diagnostic tool and auto updates

Wi-Fi

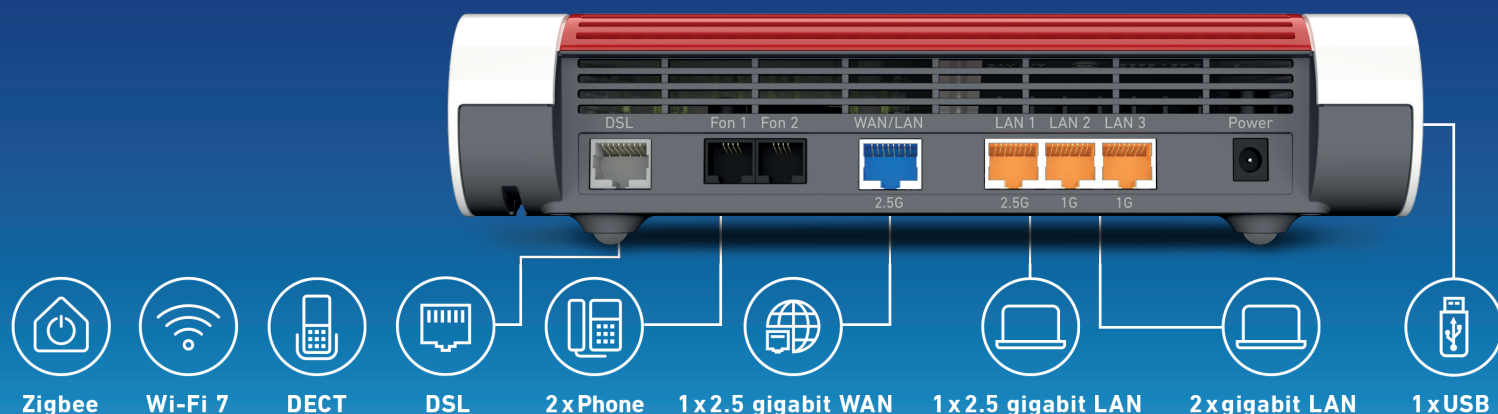
- 4 x 4 Wi-Fi access point with Wi-Fi 7 up to 5760 Mbit/s (5 GHz) and 1376 Mbit/s (2.4 GHz)
- Extend the home network with Mesh Wi-Fi – simply combine several wireless access points into one intelligent system
- Compatible with IEEE 802.11a/g/n/ac/ax/be
- Wi-Fi network encryption with WPA3/WPA2
- Wi-Fi Protected Setup (WPS)
- Wi-Fi can be turned on and off via button, connected telephones, or schedule
- Supports Multi-Link Operation (MLO) and puncturing
- Wi-Fi guest access – secure surfing for guests
- Can be mounted on a wall or table/desk

WAN/LAN

- Internet access via 2.5G Ethernet port; can be used as WAN or LAN port (switchable)
- LAN 1: 2.5 gigabit Ethernet, 10/100/1000 BASE-T and 802.3bz-2016 (NBase-T), 2.5 Gbit/s
- LAN 2 + 3: Gigabit Ethernet, 10/100/1000 BASE-T, 1 Gbit/s

Telephony / DECT

- Telephone system with DECT base station for up to 6 cordless telephones, 10 FRITZ!DECT 200/210 smart plugs, 10 FRITZ!DECT 440/400 switches, 12 FRITZ!DECT 300/301/ Comet DECT radiator controls, 10 smart home devices from third-party manufacturers with HAN FUN
- Support for SIPTLS and SRTP
- SIP ALG
- Answering machine and fax
- 5 integrated answering machines featuring voice-to-mail
- Comprehensive telecommunication functions such as call diversion, internal calls, three-party conferences, call transfer, call blocking, alarm, baby monitor, VIP calls, Do Not Disturb, and caller ID display
- Internet telephony SIP-compliant in accordance with RFC 3261
- Registration of IP telephones (LAN / SIP-compliant)
- Telephony app for Apple iPhone and Google Android
- Integrates iPhone and Android smartphones into the home network via Wi-Fi and enables landline and internet telephony



Network

- TR-069 (TR-069/104/140) support including documentation of the data model in accordance with the Broadband Forum TR-106
- TR-369 support for real-time monitoring with multi-controller support including rights management
- Speed test via iPerf and TR-471 (depending on the platform)
- SPI firewall, DoS protection
- IPv6 and IPv4 dual stack including DS Lite with PCP support
- 802.1Q support for WAN connections
- Multiservice (e.g. HSI, VoIP, TR-069, IPTV) WAN connection type with PPPoE, DHCP, static IP, bridging encapsulation
- Public subnet configuration (up to /28) for addressing clients publicly in the LAN
- Exposed Host / Port Forwarding
- VPN support (IPSec and WireGuard), VPN passthrough
- No vendor lock-in. Platform and data remain with ISP (Internet Service Provider)
- ACS-URL via DHCP Option 43, or PPPoE (Zero Touch operation launch)
- IGMP proxy (v3 and backward)
- DNSSEC and eDNS0 support

FRITZ!OS

- FRITZ!Box: a clear, browser-based user interface that's easy to use
- User interface protected by device-unique preconfigured password
- Sensitive user settings protected by 2FA including support for authenticator apps
- Multilingual user interface
- With MyFRITZ! your FRITZ!Box can be accessed securely from anywhere
- Convenient features such as parental controls, push service, cloud contacts, online storage
- Wake on LAN over the Internet
- Wi-Fi telephone calls in the home network with iPhones and Android smartphones
- FRITZ!Box interface specially designed for smartphones and tablets
- Home network overview, help functions with full-text search and much more
- New features provided in free updates: <https://fritz.com/en/pages/fritz-os>
- Free FRITZ!Apps for telephony, smart home, access to the FRITZ!Box from on the go, and optimizing the Wi-Fi connection

Device Properties

Dimensions in mm (W x H x D):

250 x 184 x 69 mm

FRITZ!

Why?



Direct contacts in Sales, PreSales, and Engineering



Training sessions with FRITZ! staff for engineering and support



Technical support (also on site) and sales consultation



In-house hardware and software development in Berlin



Real-time monitoring with the open TR-069 & TR-369 standards



Regular updates with security as top priority

FRITZ!OS

FRITZ!OS is the genius of the FRITZ! family. With this smart operating system, the FRITZ! team opens up a broad spectrum of possibilities in your customers' home networks. Your FRITZ!Box uses the most advanced technologies while providing for the right balance between exciting features and simple operation.

Software updates

FRITZ!OS, our router operating system, is updated regularly to implement new features and to guarantee long product life cycles. And all updates are offered to our customers free of charge.

Device management

The FRITZ!Box supports not only OMCI management but also offers comprehensive support for TR-069 and USP (TR-369), right out of the box. The use of open standards puts a broad palette of ISP-relevant management parameters at your disposal, no matter which technology you use.

Eco design

FRITZ! products are characterized by low power consumption and configurable energy-saving modes. Production in Europe means short transport routes, secure labor conditions, and the use of environmentally sustainable materials. Many years of software updates with expanded functions, bug fixes, and security updates ensure long life cycles.

Product quality

Developed and produced in Germany and Europe, our FRITZ!Box fulfills its market promise to its end customers, by ensuring proven reliability with success in the field. Before being launched on the market, the products run through extensive lab phases which offer customers the opportunity to evaluate new features in advance.

An all-in-one device

A FRITZ!Box is a joint router, installed directly at the internet connection. This saves power, while ensuring convenient operation and simplifying device management. Internet, Wi-Fi, streaming, telephony, smart home, and much more – combined in a single device.

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