

AVM FRITZ!Box 7510

AVM FRITZ!Box 7510 Wi-Fi 6 DSL Router User Manual

Model: FRITZ!Box 7510 | Brand: AVM

1. INTRODUCTION AND OVERVIEW

The AVM FRITZ!Box 7510 is a versatile Wi-Fi 6 DSL router designed to provide a high-performance home network experience. It integrates fast internet access via VDSL Supervectoring 35b, advanced Wi-Fi 6 (WLAN AX) technology for efficient wireless connectivity, and a range of features including WLAN Mesh, a DECT base station for telephony, and a media server.

This manual provides essential information for setting up, operating, and maintaining your FRITZ!Box 7510, ensuring optimal performance and connectivity for your devices.

2. PACKAGE CONTENTS

Please verify that all items are present in your FRITZ!Box 7510 package:

- FRITZ!Box 7510 Router
- Power Supply Unit
- 4-meter DSL Connection Cable
- 1.5-meter LAN Cable
- Installation Instructions (English language may vary by region)

3. SETUP

Follow these general steps to set up your FRITZ!Box 7510. For detailed, country-specific instructions, refer to the included installation guide or the AVM website.

3.1 Connecting to the DSL Line

1. Connect one end of the 4-meter DSL connection cable to the "DSL" port on the back of your FRITZ!Box 7510.
2. Connect the other end of the DSL cable to your DSL wall socket.



Image: FRITZ!Box 7510 connected to a DSL wall socket. This illustrates the physical connection required for internet access.

3.2 Connecting the Power Supply

1. Connect the power supply unit to the "Power" port on the back of the FRITZ!Box 7510.
2. Plug the power supply into an electrical outlet. The "Power/DSL" LED on the front of the router will light up.

3.3 Initial Configuration

1. Connect a computer to the FRITZ!Box 7510 using the included LAN cable or via Wi-Fi (default Wi-Fi name and password are on the bottom of the device).
2. Open a web browser and enter **fritz.box** in the address bar.
3. Follow the on-screen wizard to configure your internet access, Wi-Fi settings, and telephony. Note that automatic configuration for internet providers is primarily supported in Germany.



Image: Front view of the FRITZ!Box 7510. The LED indicators provide status information for Power/DSL, WLAN, Fon/DECT, Connect/WPS, and Info.

4. OPERATING INSTRUCTIONS

4.1 Connecting Devices via Wi-Fi

To connect a device (smartphone, tablet, laptop) to your FRITZ!Box 7510 via Wi-Fi:

1. On your device, search for available Wi-Fi networks.
2. Select the Wi-Fi network name (SSID) of your FRITZ!Box (found on the bottom of the device or in the FRITZ!Box interface).
3. Enter the Wi-Fi network key (password) when prompted.
4. Alternatively, use the WPS (Wi-Fi Protected Setup) function by pressing the "Connect/WPS" button on the FRITZ!Box and initiating WPS on your device within two minutes.

4.2 Connecting Devices via LAN

The FRITZ!Box 7510 features one Gigabit LAN port:

- Connect one end of a LAN cable to the "LAN" port on the back of the FRITZ!Box.
- Connect the other end to the network port of your computer, smart TV, or other network-enabled device.

4.3 DECT Telephony

The integrated DECT base station supports up to six cordless telephones:

1. To register a DECT phone, put the phone into registration mode.
2. Press and hold the "Fon/DECT" button on the FRITZ!Box for about 6 seconds until the "Fon/DECT" LED flashes.
3. Complete the registration process on your DECT phone.

4.4 Media Server Functionality

The FRITZ!Box 7510 can act as a media server:

- Connect a USB storage device (e.g., a USB stick or external hard drive) to the USB port on the FRITZ!Box.
- Access the FRITZ!Box user interface (**fritz.box**) to configure the media server and share content.
- Compatible devices in your home network (e.g., smart TVs, tablets, HiFi systems) can then stream music, videos, and view images from the connected USB storage.



Image: Rear panel of the FRITZ!Box 7510. This view clearly labels the ports for DSL, analog phone, Gigabit LAN, and USB, along with an indication of Wi-Fi 6 capability.

5. ADVANCED FEATURES

5.1 Wi-Fi 6 (WLAN AX)

The FRITZ!Box 7510 supports the latest Wi-Fi 6 standard (802.11ax), offering:

- **Higher Speeds:** Up to 600 Mbps on the 2.4 GHz band, ideal for demanding applications.
- **Improved Efficiency:** Better performance in environments with many connected devices, reducing latency and improving overall network capacity.
- **Enhanced Range:** Optimized signal transmission for broader coverage within your home.

5.2 VDSL Supervectoring 35b

This technology enables internet speeds of up to 300 Mbps over your DSL line, providing fast and reliable broadband access for streaming, gaming, and online work.

5.3 WLAN Mesh

The FRITZ!Box 7510 can serve as the central hub for a FRITZ! Mesh network. This allows you to combine multiple FRITZ! products (e.g., FRITZ!Repeaters) into a single, intelligent Wi-Fi network. Devices automatically connect to the FRITZ! product with the best signal, ensuring seamless coverage and optimal performance throughout your home.

5.4 VoIP Telephone System

The integrated VoIP telephone system offers comprehensive call management features:

- Support for analog, DECT, and IP phones.
- Call blocking for unwanted numbers.
- Call forwarding and dialing rules for flexible accessibility.
- Integration with DECT-enabled smart home devices like switchable sockets and radiator controllers.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your FRITZ!Box 7510.

- **Firmware Updates:** AVM regularly releases firmware updates that improve performance, add new

features, and enhance security. Access the FRITZ!Box user interface (**fritz.box**) to check for and install available updates.

- **Cleaning:** Gently wipe the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials. Ensure ventilation openings are clear of dust.
- **Optimal Placement:** Place the FRITZ!Box in a central location, away from large metal objects, thick walls, and other electronic devices that may cause interference, to maximize Wi-Fi coverage.

7. TROUBLESHOOTING

If you encounter issues with your FRITZ!Box 7510, try the following basic troubleshooting steps:

- **No Internet Connection:**
 - Check if the "Power/DSL" LED is solid green. If it's flashing or off, verify the DSL cable connection and contact your internet service provider.
 - Restart the FRITZ!Box by unplugging the power cord, waiting 10 seconds, and plugging it back in.
 - Access the FRITZ!Box user interface (**fritz.box**) and check the "Internet" section for connection status and error messages.
- **Wi-Fi Connection Issues:**
 - Ensure the "WLAN" LED on the FRITZ!Box is lit. If not, press the "WLAN" button to activate Wi-Fi.
 - Verify you are using the correct Wi-Fi network name (SSID) and password.
 - Move closer to the FRITZ!Box to rule out range issues.
- **Slow Internet Speed:**
 - Check for active downloads or streaming on other devices in your network.
 - Ensure your FRITZ!Box firmware is up to date.
 - Consider the placement of your router for optimal Wi-Fi signal.

For more advanced troubleshooting or specific error codes, please consult the AVM support website or contact their customer service.

8. SPECIFICATIONS

Feature	Detail
Brand	AVM
Model Name	FRITZ!Box 7510
Item Model Number	20002983
Product Dimensions	8.19 x 5.91 x 1.46 inches
Item Weight	11.3 ounces
Connectivity Technology	Wi-Fi, DSL
Wireless Communication Standard	DECT, Wi-Fi 6 (802.11ax)
Frequency Band Class	Single-Band (2.4 GHz)
Max Wi-Fi Speed	Up to 600 Mbps (2.4 GHz)

Max DSL Speed	Up to 300 Mbps (VDSL Supervectoring 35b)
Ports	1x Gigabit LAN, 1x USB 2.0, 1x DSL, 1x Analog Phone
Special Feature	Remote Access, WLAN Mesh, DECT Base, Media Server
Compatible Devices	Personal computer, laptop, tablet, smartphone, game console
Recommended Uses	Business, Home

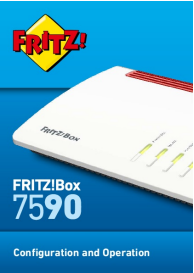
9. WARRANTY AND SUPPORT

AVM provides a manufacturer's warranty for the FRITZ!Box 7510. Specific warranty terms and duration may vary by region and retailer. Please retain your proof of purchase for warranty claims.

For technical support, detailed FAQs, and the latest firmware updates, please visit the official AVM website: <https://en.avm.de/service/>

You can also find comprehensive documentation and support resources tailored to your specific FRITZ!Box model on their website.

Related Documents - FRITZ!Box 7510

	FRITZ!Box 7590 Configuration and Operation Manual User manual for the AVM FRITZ!Box 7590, providing detailed instructions on setup, internet connectivity, Wi-Fi, telephony, and advanced features for optimal home network management.
	FRITZ!Box 7530 AX: Schnellstartanleitung für Anschluss und Internetnutzung Erfahren Sie, wie Sie Ihre FRITZ!Box 7530 AX schnell und einfach anschließen, einrichten und mit dem Internet verbinden. Enthält Anleitungen für WLAN, Telefonie und Netzwerkkonfiguration.
	FRITZ!Box 7590 Quick Guide: Setup and Connections A concise guide to setting up and connecting your FRITZ!Box 7590 router, including button functions, LED indicators, connection instructions, and safety information.
	FRITZ!Box 7490 Quick Guide A quick start guide for the AVM FRITZ!Box 7490, providing essential setup instructions, connection diagrams, LED status explanations, and service information in multiple languages.
	FRITZ!Box 7590 AX Quick Start Guide Quick start guide for the AVM FRITZ!Box 7590 AX, detailing initial setup for internet, Wi-Fi, and telephone connections, along with device overview, status LEDs, safety information, and CE compliance.
	FRITZ!Box 7530 AX Quick Start Guide - Setup and Configuration Comprehensive quick start guide for the AVM FRITZ!Box 7530 AX router. Learn how to connect your device, configure internet access, set up Wi-Fi, and register telephones.



Handbuch

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Handbuch FRITZ!Box 7510 fritz fritzbox dokumentation handbuch anleitung anschließen
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HandbuchFRITZ Box7510 Handbuch Inhaltsverzeichnis Inhaltsverzeichnis
Allgemeines zur FRITZ Box.....7
Sicherhe...
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Handbuch

[pdf] Instructions

Handbuch FRITZ!Box 7520 fritz fritzbox dokumentation handbuch anleitung anschließen
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FRITZ Box.....8
Sicherheitshinwei...
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[pdf] Datasheet

AVM FRITZ!Box 7510 Wi Fi modem router Built in VDSL ADSL 2 4 GHz 600 MBIT s Conrad datasheet
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822582038DS00 |||
Produktdatenblatt AVM FRITZ Box 7510 - Wireless Router DSL-Modem -
802.11g/n/ax - Desktop Produktbeschreibung: AVM FRITZ Box 7510 - Wireless
Router DSL-Modem - GigE - 802.11g/n/ax - 2,4 GHz - VoIP-Telefonadapter DECT
Gruppe: Hersteller: Hersteller Artikel Nr: EAN: Bridges Router AVM Compute...
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A1N FRITZ!Box 7510 - Wireless Router - DSL-Modem - GigE - VoIP-Telefonanlage (DECT)	
GigE - 802.11g/b/w - 2.4 GHz - VoIP-Telefonanlage (DECT)	
	
Gruppen	Netzwerkgeräte
Hersteller	A1N
Hersteller Art. Nr.	20001783
EAN/EPC	403312502937
Beschreibung	
A1N FRITZ!Box 7510 - Wireless Router - DSL-Modem - GigE - 802.11g/b/w - 2.4 GHz - VoIP-Telefonanlage (DECT)	
Hauptmerkmale	
Produktbeschreibung	A1N FRITZ!Box 7510 - wireless Router - DSL-Modem - 802.11g/b/w - Desktop
Wireless Router	DSL-Modem
Desktop	Desktop
Gigabit Ethernet Protocol	ADSL, VDSL,
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11g, IEEE 802.11n, IEEE 802.11a (Wi-Fi 4)
Frequency Band	2.4 GHz
Network/Transport protocol	IPSec, DHCP, DDNS
VoIP-Function	VoIP-Telefonanlage (DECT)
VoIP-Protocol	SIP
Netzwerkanschluss	1 D-Sub 90, DECT
Leistungsmerkmale	NAT Support, Wake on LAN (WOL), IPv6-Unterstützung, Kindersicherung, geeignet für Internet Setup (PPPoE, DHCP-Server, A1N 51k & 2, Smart Accessories: DLAN-Support, IP Security (VPN), VoIP-Telefonanlage, Gamingport, D-Sub 90
Produktabmessungen	IEEE 802.11g, IEEE 802.11a, UHFH, IEEE 802.11a
Abmessungen (Breite x Tiefe x Höhe)	20,8 cm x 15 cm x 8,7 cm
Technische Daten & Bildinfos, Technische Änderungen und Irrtümer vorbehalten.	

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Datenblatt AVM FRITZ!Box 7510 WLAN router modemmél Beépített modem VDSL ADSL 2 4 GHz 600

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add 160267 c1 gl 823931156DS00 |||

AVM FRITZ Box 7510 - Wireless Router DSL-Modem - GigE - 802.11g/n/ax - 2,4 GHz - VoIP-Telefonadapter DECT GigE - 802.11g/n/ax - 2,4 GHz - VoIP-Telefonadapter DECT Gruppe Hersteller Hersteller Art. Nr. EAN/UPC Netzwerkgeräte AVM 20002983 4023125029837 Beschreibung AVM FRITZ Box 7510 - Wireless ... lang:de score:35 filesize: 56.91 K page_count: 1 document date: 2022-04-28

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Untitled Petra Willikonsky AVM FRITZ!Box 7510 OTTO Dec 20 2021 — Die mit Wi Fi 6 ist das ideale
Einstiegermodell für ein schnelles und stabiles kabelloses Heimnetz Der neue WLAN Standard deutlich
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AVM FRITZ Box 7510 Der ideale Einstieg in das Heimnetz mit Wi-Fi 6 Die FRITZ Box 7510 mit Wi-Fi 6 ist das ideale Einsteigermodell für ein schnelles und stabiles kabelloses Heimnetz. Der neue WLAN-Standard ist deutlich schneller und effizienter: durch eine optimale Ausnutzung der WLAN-Kanäle lässt sich ...

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Datenblatt Download AVM FRITZ!Box 7510 Wireless Router DSL Modem GigE 802.11g/n/a/x 2.4 GHz

VoIP Telefonadapter DECT büroTec g84eAEO fCZhyyWwz 2nnuLO6g P9o3SgSR

zwnWsnjS6QFmBJ1X4enr1g6nayNa1Jvli1bTeUPxuHZJA0tEPEysFp4G5BB

pHMRZdELYWYU8JIEa7Glk4icS0sgm7 y shop buerotec de media 1d f1 da

yGttsRO4wvQsRgHUr9utYOVf04f 5JG1TjR4h7rYhjAEFG6jFD7N4 |||

Gruppe Hersteller Hersteller Art. Nr. EAN/UPC AVM FRITZ Box 7510 - Wireless
Router - DSL-Modem - GigE - 802.11g/n/ax 2,4 GHz - VoIP-Telefonadapter DECT
GigE - 802.11g/n/ax - 2,4 GHz - VoIP-Telefonadapter DECT Netzwerkerte AVM
20002983 4023125029837 Beschreibung Am DSL- oder VDSL-Anschluss is...
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FRITZ!Box 7510

Technische Daten



Technische Daten

Anschlüsse

VDSL- oder ADSL-Anschluss

IP-basierte Telefonie

1 x Gigabit-LAN

WLAN Access Point IEEE 802.11g, n, ac

1 x schneller USB-Anschluss für Speicher und Drucker

DECT-Basisstation für bis zu 6 Handgeräte

1 x x/b-Port (wahlweise TAE oder RJ11) für analoges Telefon, Anrufbeantworter oder Fax

Internet

WLAN-Router mit integriertem Modem für DSL-Anschlüsse z. B. für Telekom 1&1, Vodafone, O2 u. v. m.

NAT, DHCP-Server, DynDNS-Client, UPnP AV

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FRITZ!Box 7510 Technische Daten AVM Deutschland jennifer daschner Datenblatt FRITZ!BOX AX Router AP Bridge Wireless LAN Netzwerk Onlineshop ALLDIS Computersystem GmbH 194828 alldis de media bb fa f0 |||

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