AVM FRITZ!Box 7490

AVM FRITZ!Box 7490 WLAN AC + N Router User Manual

Model: **FRITZ!Box 7490** | Brand: **AVM**

1. SETUP

This section guides you through the initial setup of your FRITZ!Box 7490, ensuring a smooth connection to your internet service and home network.

1.1 Unpacking and Initial Connection

Carefully remove all components from the packaging. Ensure you have the FRITZ!Box 7490 router, power adapter, DSL/telephone cable, and LAN cable.

Image: The AVM FRITZ!Box 7490 router, showcasing its red and silver design with indicator lights on the front.

1. **Connect to DSL/VDSL:** Connect the gray DSL/telephone cable from the 'DSL/TEL' port on the FRITZ!Box to your telephone wall socket or DSL splitter.

2. **Connect to Power:** Plug the power adapter into the 'Power' port on the FRITZ!Box and then into an

electrical outlet. The 'Power/DSL' LED will begin to flash.

3. **Connect Devices:** Use the yellow LAN cables to connect your computer or other network devices to the 'LAN 1-4' ports. For wireless devices, proceed to Wi-Fi setup.
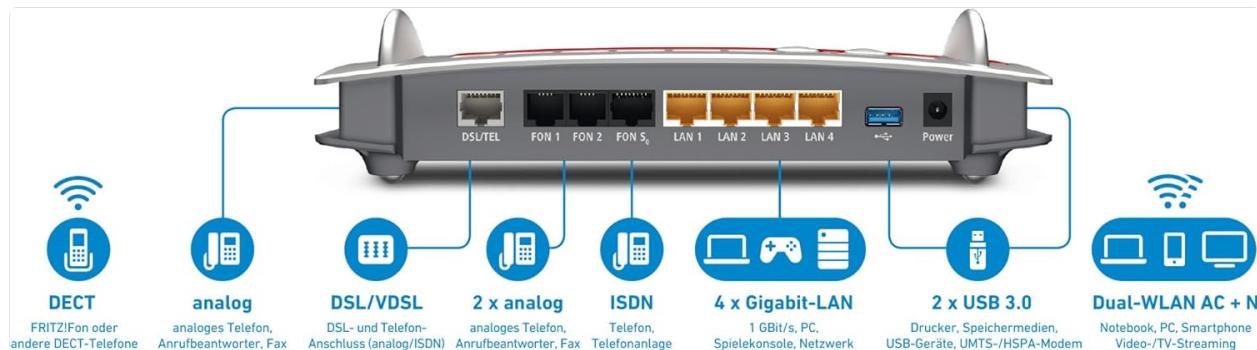

Image: Detailed view of the FRITZ!Box 7490's rear panel, illustrating various connection ports including DSL/TEL, LAN, USB 3.0, and Power, with corresponding icons for connected devices like phones, PCs, and storage.

1.2 First-Time Configuration (FRITZ!OS)

Once the 'Power/DSL' LED is solid, indicating a stable DSL connection, you can access the FRITZ!Box user interface.

1. Open a web browser on a connected computer or device.

2. Enter http://fritz.box or 192.168.178.1 in the address bar and press Enter.

3. Follow the on-screen wizard to set up your internet access, Wi-Fi network name (SSID), and password.

1.3 Wi-Fi Setup

The FRITZ!Box 7490 supports Wi-Fi AC and N standards for high-speed wireless connectivity.

- **WPS (Wi-Fi Protected Setup):** Press the 'WLAN' button on the FRITZ!Box for a few seconds until the 'WLAN' LED flashes. Then, activate WPS on your Wi-Fi device within two minutes to establish a connection.

- **Manual Connection:** On your device, select the Wi-Fi network name (SSID) displayed on the bottom of your FRITZ!Box or configured during the initial setup. Enter the Wi-Fi network key (password).

1.4 DECT Phone Registration

The integrated DECT base station allows you to connect up to six cordless phones.

1. On your DECT phone, initiate the registration process (refer to your phone's manual for specific steps).

2. Press the 'DECT' button on the FRITZ!Box for about 6 seconds until the 'Info' LED flashes.

3. Enter the FRITZ!Box PIN (default is 0000) on your DECT phone if prompted.

2. OPERATING

Understand the various functionalities and how to operate your FRITZ!Box 7490 for optimal performance.

2.1 Internet and Telephony

The FRITZ!Box 7490 manages your internet connection and integrated telephony features.

- **Internet Access:** The router automatically establishes and maintains your internet connection. You can monitor its status via the 'Internet' LED.
- **Telephony:** Supports both analog (FXS) and ISDN (S0) phones, as well as VoIP. Configure telephone numbers and call routing in the FRITZ!OS interface.
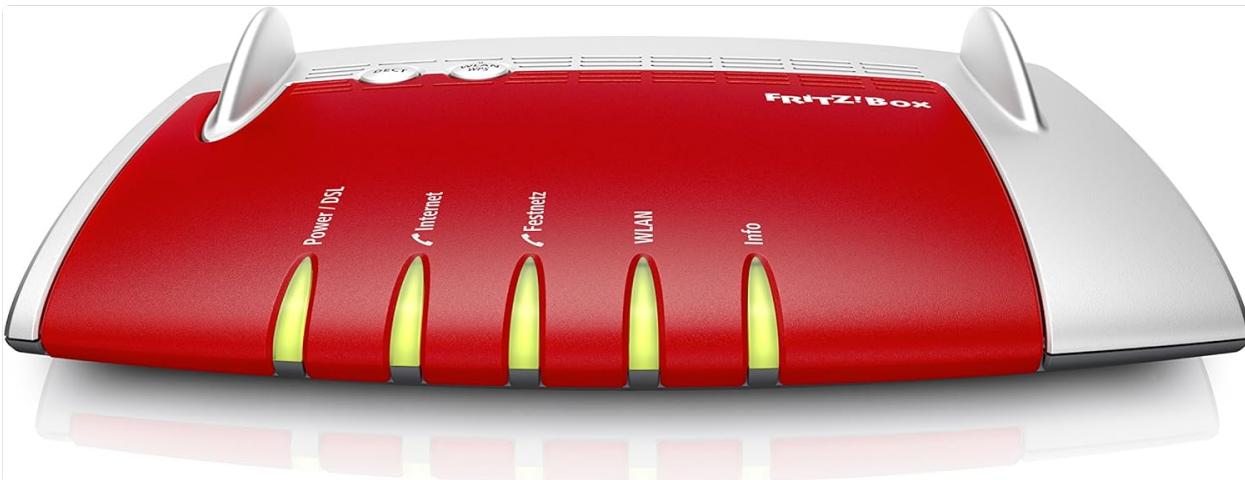
Image: Front view of the FRITZ!Box 7490, highlighting the LED indicators for Power/DSL, Internet, Festnetz, WLAN, and Info, which provide status updates on the router's operation.

2.2 WLAN Functionality

The FRITZ!Box 7490 offers dual-band Wi-Fi for flexible and high-speed wireless networking.

- **Dual-Band Support:** Operates on both 2.4 GHz (for wider coverage) and 5 GHz (for faster speeds and less interference) frequencies.
- **WLAN AC + N:** Supports Wi-Fi AC for speeds up to 1300 Mbit/s on 5 GHz and Wi-Fi N for speeds up to 450 Mbit/s on 2.4 GHz.

Image: A graphic illustrating the speed capabilities of the FRITZ!Box 7490, showing 1300 Mbit/s for WLAN AC and 450 Mbit/s for WLAN N, indicating WLAN AC is up to 3 times faster.

2.3 Media Server and USB Functions

Utilize the FRITZ!Box as a central hub for your multimedia and connected devices.

- **Media Server:** Connect a USB storage device (e.g., hard drive, USB stick) to one of the two USB 3.0 ports to share photos, music, and videos with all devices in your home network.

- **USB Printer Server:** Connect a USB printer to the FRITZ!Box to make it accessible to all computers in your network without needing a dedicated print server.

3. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FRITZ!Box 7490.

3.1 Firmware Updates (FRITZ!OS)

Keep your FRITZ!Box up-to-date with the latest FRITZ!OS firmware for new features, security enhancements, and bug fixes.

- Access the FRITZ!Box user interface (http://fritz.box).
- Navigate to 'System' > 'Update'.
- Click 'Find New FRITZ!OS' or 'Perform Update' to install available updates.

3.2 Backup and Restore Settings

It is recommended to regularly back up your FRITZ!Box settings, especially before major changes or firmware updates.

- In the FRITZ!OS interface, go to 'System' > 'Backup'.
- Click 'Save' to download a backup file to your computer. You will be prompted to enter a password for the backup.
- To restore, select 'Restore' and upload your saved backup file.

3.3 Factory Reset

A factory reset restores the FRITZ!Box to its default settings. This can be useful for troubleshooting or preparing the device for a new user.

- In the FRITZ!OS interface, go to 'System' > 'Backup' > 'Factory Settings'.
- Click 'Load Factory Settings'. Confirm the action when prompted.
- Alternatively, you can perform a hardware reset by unplugging the power, waiting 30 seconds, then plugging it back in and holding the 'Info' button for about 10 seconds until all LEDs flash.

3.4 Cleaning Instructions

To clean your FRITZ!Box, use a soft, dry, lint-free cloth. Do not use liquid cleaners or abrasive materials, as these can damage the device.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your FRITZ!Box 7490 and provides solutions.

4.1 LED Indicators

Understanding the LED lights on the front of your FRITZ!Box can help diagnose problems.

- **Power/DSL:**

    - *Solid Green:* DSL connection established.
    - *Flashing Green:* Establishing DSL connection or no DSL signal. Check cables.

- **Internet:**

    - *Solid Green:* Internet connection active.
    - *Flashing Green:* Internet connection being established or interrupted. Check internet settings.

- **WLAN:**

    - *Solid Green:* Wi-Fi active.
    - *Flashing Green:* WPS active or Wi-Fi connection issue.

- **Info:**

    - *Flashing:* Indicates an event or error, check FRITZ!OS event log.

4.2 Common Issues and Solutions

- **No Internet Connection:**

    - Check 'Power/DSL' and 'Internet' LEDs. If flashing, verify cable connections and internet provider settings in FRITZ!OS.
    - Restart the FRITZ!Box by unplugging and replugging the power adapter.

- **Wi-Fi Connection Problems:**

    - Ensure 'WLAN' LED is solid green.
    - Verify Wi-Fi password on your device.
    - Try changing the Wi-Fi channel in FRITZ!OS to avoid interference.

- **Telephony Issues:**

    - Check phone cable connections to the FRITZ!Box.
    - Verify telephone number registration and settings in FRITZ!OS.

5. SPECIFICATIONS

Key technical specifications of the AVM FRITZ!Box 7490.

Feature	Description
Model Name	FRITZ!Box 7490

Feature	Description
Connectivity Technology	Wi-Fi, Ethernet
Wireless Communication Standard	802.11n, 802.11a, 802.11ac, 802.11g
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Data Transfer Rate	Up to 1.3 Gbps (1300 Mbit/s on 5 GHz), 450 Mbit/s (on 2.4 GHz)
Digital Signaling Protocol	ADSL, VDSL, ADSL2+
LAN Interfaces	4 x 10/100/1000Base-T (Gigabit Ethernet) - RJ-45
WAN Interface	1 x VDSL / ADSL2+
USB Ports	2 x USB 3.0 (Type A)
Telephone Interfaces	2 x RJ-11 (FXS), 1 x ISDN S0 (RJ-45), DECT base station
Operating System	FRITZ!OS
Special Features	NAT support, VPN support, IPv6 support, integrated DECT phone base station, WPS, DHCP server, UPnP media server, USB 3G dongle support, SPIF firewall, MIMO 3T3R technology, USB print server
Dimensions (H x W x D)	5.5 cm x 24.5 cm x 17.5 cm (approx.)
Power Consumption	9.3 W (approx.)

6. WARRANTY AND SUPPORT

Information regarding the product's warranty and how to obtain support.

6.1 Product Condition and Warranty

This product is certified and refurbished, verified and tested to ensure a like-new appearance and functionality with minimal to no signs of wear. It includes all relevant accessories and a warranty of at least one year from

the date of purchase.

6.2 Technical Support

For further assistance or technical support, please refer to the official AVM FRITZ!Box website or contact their customer service. The FRITZ!OS interface also provides extensive help documentation and diagnostic tools.

- Visit the AVM support website for FAQs, manuals, and software downloads.
- Utilize the 'Help' section within the FRITZ!OS interface for context-sensitive assistance.

Related Documents - FRITZ!Box 7490

	[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 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 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.
	[AVM FRITZ!Box 7581 Quick Start Guide](#) A concise guide to installing and connecting the AVM FRITZ!Box 7581 wireless router, covering network setup, WLAN, WPS, and device connections.
	[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 6660 Cable Quick Start Guide](#) A concise guide to setting up and connecting your FRITZ!Box 6660 Cable for internet, telephony, and WLAN. Includes setup steps, safety information, and app usage.