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AVM 6670

AVM FRITZ!Box 6670 Cable Modem Router User Manual

1. INTRODUCTION

The AVM FRITZ!Box 6670 Cable is a high-performance modem router designed for cable internet connections. It integrates a DOCSIS 3.1 cable modem, offering backward compatibility with DOCSIS 3.0. This device provides advanced connectivity with Wi-Fi 7, supporting speeds up to 2,880 Mbit/s on the 5 GHz band and 720 Mbit/s on the 2.4 GHz band. It also features integrated Zigbee (3.0 compatible) and DECT ULE for comprehensive Smart Home integration, along with multiple Gigabit LAN ports and a 2.5 Gigabit LAN port for wired connections.

2. PACKAGE CONTENTS

Please verify that all items are included in your package:

- FRITZ!Box 6670 Cable
- Power adapter and power supply
- 1.5 meter coaxial cable
- 1.5 meter LAN cable
- Installation guide

3. SETUP

3.1. Connecting to the Cable Network

Connect the coaxial cable from your cable wall outlet to the 'Cable' port on the FRITZ!Box 6670. Ensure the connection is secure.



Image: FRITZ!Box 6670 Cable connected to a cable wall outlet, illustrating the coaxial cable connection.

3.2. Connecting to Power

Connect the power adapter to the 'Power' port on the FRITZ!Box and then plug it into an electrical outlet. The 'Power/Cable' LED on the front panel will light up.

3.3. Initial Configuration

Once the 'Power/Cable' LED is solid, open a web browser on a connected device (via Wi-Fi or LAN) and enter 'fritz.box' or '192.168.178.1' into the address bar. Follow the on-screen instructions to complete the initial setup, including entering your internet provider's access data and configuring Wi-Fi settings.

3.4. LAN Connections

Use the Gigabit LAN ports (LAN 1-4) or the 2.5 Gigabit LAN port for wired devices such as computers, gaming consoles, or network storage.

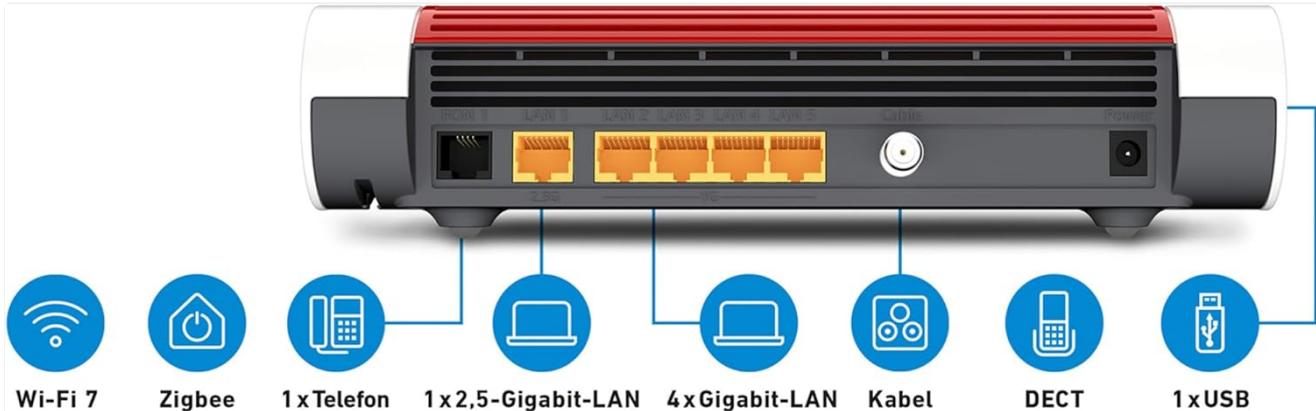


Image: Rear view of the FRITZ!Box 6670 Cable, highlighting the various ports including LAN, Cable, USB, and phone connections.

3.5. Telephony (DECT)

For DECT phones, press the 'Fon/DECT' button on the FRITZ!Box to register new DECT handsets.

3.6. Smart Home (Zigbee)

The FRITZ!Box 6670 supports Zigbee 3.0. To integrate Zigbee devices, follow the instructions provided with your Zigbee device and use the FRITZ!Box interface for pairing.

4. OPERATING

4.1. Wi-Fi Connectivity

The FRITZ!Box 6670 provides Wi-Fi 7 (802.11ax) for high-speed wireless connections. It operates on both 5 GHz (up to 2,880 Mbit/s) and 2.4 GHz (up to 720 Mbit/s) bands. Devices will automatically connect to the optimal band.



Image: Front view of the FRITZ!Box 6670 Cable, showing the status LEDs for Power/Cable, WLAN, Fon/DECT, Connect/WPS, and Info.

4.2. Mesh Wi-Fi

The FRITZ!Box acts as a Mesh Master, combining distributed WLAN access points (e.g., FRITZ!Repeaters) into a dynamic, intelligent Wi-Fi network for seamless coverage throughout your home.

4.3. USB Port Functionality

The integrated USB 2.0 port can be used to connect printers for network printing or USB storage devices to function as a network-attached storage (NAS) or media server.

4.4. Media Server

The FRITZ!Box includes a UPnP AV media server, allowing you to stream films, photos, and music from connected USB storage devices to compatible devices in your home network.

5. MAINTENANCE

5.1. FRITZ!OS Updates

Regularly update the FRITZ!OS firmware to ensure optimal performance, security, and access to new features. The FRITZ!Box supports automatic updates, which can be configured in the web interface.

5.2. Cleaning

Clean the exterior of the FRITZ!Box with a soft, dry cloth. Do not use liquid cleaners or solvents, as these can damage the device.

5.3. Factory Reset

In case of persistent issues or if you wish to reset all settings, you can perform a factory reset. Refer to the FRITZ!Box web interface for detailed instructions on how to reset the device to its default settings.

6. TROUBLESHOOTING

6.1. No Internet Connection

- Check if the 'Power/Cable' LED is solid green. If it's blinking or off, verify the coaxial cable connection and power supply.
- Ensure your internet provider has activated your service and the FRITZ!Box is registered correctly.
- Access the FRITZ!Box web interface (fritz.box) to check the internet connection status and event log for error messages.

6.2. Wi-Fi Issues

- If Wi-Fi is not working, check the 'WLAN' LED. If it's off, press the 'WLAN' button on the FRITZ!Box to activate Wi-Fi.
- Ensure your devices are within range and connected to the correct Wi-Fi network (SSID) with the correct password.
- Try restarting the FRITZ!Box by unplugging it from power for 10 seconds and then plugging it back in.

6.3. LED Indicators

The FRITZ!Box 6670 features several LED indicators on its front panel to provide status information:

- **Power/Cable:** Solid green indicates power and an active cable connection. Blinking indicates connection establishment.
- **WLAN:** Solid green indicates Wi-Fi is active. Blinking indicates data transfer.
- **Fon/DECT:** Solid green indicates DECT is active. Blinking indicates an incoming call or DECT registration mode.
- **Connect/WPS:** Solid green indicates a successful WPS connection. Blinking indicates WPS pairing mode.
- **Info:** This LED can be customized in the FRITZ!Box web interface to display various status messages or events.

7. SPECIFICATIONS

Brand	AVM (FRITZ!)
Model	6670 Cable
DOCSIS Standard	3.1 (backward compatible with 3.0)
Wi-Fi Standard	Wi-Fi 7 (802.11ax)
Wi-Fi Speed (5 GHz)	Up to 2,880 Mbit/s
Wi-Fi Speed (2.4 GHz)	Up to 720 Mbit/s
LAN Ports	1 x 2.5 Gigabit LAN, 4 x Gigabit LAN
USB Port	1 x USB 2.0

Smart Home Integration	Zigbee (3.0 compatible), DECT ULE
Dimensions (L x W x H)	25 x 18.4 x 4.8 cm
Weight	657 g
Included Components	FRITZ!Box 6670 Cable, Power adapter, 1.5m coaxial cable, 1.5m LAN cable, Installation guide

8. WARRANTY AND SUPPORT

The AVM FRITZ!Box 6670 Cable comes with a manufacturer's warranty. For detailed warranty information, technical support, and further assistance, please refer to the official AVM website or contact AVM customer service directly. Keep your purchase receipt for warranty claims.