



# **FRITZ!Box 6670 Cable**

## **FRITZ!OS Version: 08.02**

### **Release Note**

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FRITZ!OS is the software of the FRITZ!Box. Use the online update function to easily download the newest FRITZ!OS version into your FRITZ!Box. Information on updates for devices you received from your cable provider will be supplied by your cable provider. In this case, updates will be performed by your cable provider.

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Product: FRITZ!Box 6670 Cable

Version: FRITZ!OS 8.02

Language: English, French, German, Italian, Polish, Spanish, Dutch

Release date: 09/01/2024  
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## Top Features

- User interface: Diagram showing the connections in the overview (homepage)
- New Online Monitor informs about the load on the internet connection and the load by individual network devices.
- Internet: Now IPv6 data can also be transmitted via a WireGuard® VPN tunnel
- Mesh: Redesigned diagram of all devices connected with the FRITZ!Box with additional functions
- Push service: Reworked design and more convenience

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With each FRITZ!OS update, AVM also updates its security functions. Therefore we recommend performing the update for all devices.

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Below you find a complete list and descriptions of the new functions in the latest FRITZ!OS, along with a list of further improvements in this version.

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## Additional Improvements in FRITZ!OS 8.02

### ## Internet:

- **Fixed** Changes to the device name of a device in the home network were not transmitted to MyFRITZ!Net
- **Fixed** Sometimes emails about push service or MyFRITZ!Net were sent with empty login information
- **Fixed** The preferred user for default login with the FRITZ!Box during MyFRITZ! access from the internet was not transmitted to MyFRITZ!Net

### ## Wi-Fi:

- **Fixed** Problems with roaming by individual Wi-Fi 7 devices with MLO functionality resolved
- **Improved** Better interoperability with various wireless devices on 2.4 GHz
- **Improved** Display of additional parameters with MLO connections on the page "Wi-Fi > Wi-Fi Network" (devices with Wi-Fi 7)

### ## Telephony:

- **Fixed** In Austria (country code 43) dialling numbers beginning with 12, 13 or 14 was only possible en bloc
- **Improved** Increased stability of telephone calls

### ## System:

- **Fixed** Restart of FRITZ!Box via user interface sometimes failed

## # Changes of FRITZ!OS for providers in FRITZ!OS 8.02

### ## System:

- **Fixed** In rare instances, PNM data was not deleted again

## New features and improvements in FRITZ!OS 8.01

### ## DOCSIS:

- **NEW** Information on use of the cable connection included in the push service email
- **NEW** Reworked diagram on the overview page of the cable connection
- **Improved** Reworked wizard for configuring internet access on cable connections

### ## Internet:

- **NEW** IPv6 data now can also be transferred via a WireGuard® VPN tunnel (new WireGuard® connection required, no forwarding of IPv6 data to the internet)
- **NEW** New Online Monitor diagram with expanded information on the load on the internet connection by individual network devices
- **NEW** Extend online time restricted through parental controls by 45 minutes directly in the detailed settings of the network device
- **NEW** Reworked diagram on the overview page of the cable connection
- **Improved** When sharing internet access to FRITZ!Box services, an additional IP block list from AVM can be used
- **Improved** For VPN network couplings via WireGuard®, the "fritz.box" domain is resolved in the entire coupled network
- **Improved** For VPN network couplings via WireGuard®, the domain of the remote site can be specified for DNS resolution
- **Improved** If the configured time server could not determine the system time, the system time is obtained from a public time server
- **Improved** More precise explanations of errors during the configuration of WireGuard® connections
- **Improved** Added notification about potential risk of sharing port 80 or 443
- **Improved** The FRITZ!Box user interface can also be opened in the home network by entering "fritzbox.internal" and "fritzbox.home.arpa"

### ## Wi-Fi:

- **NEW** Visualization of Wi-Fi usage in the home network for the last 7 days added on "Wi-Fi > Wi-Fi Channel"

## ## Mesh:

- **NEW** Definition of a name and an icon for network devices directly in the Mesh Overview diagram (tooltip)
- **Improved** Details about the LAN connections between FRITZ! devices given in the Mesh Overview diagram (tooltip)

## ## Telephony:

- **Improved** Recordings on the answering machine now with higher voice quality (HD audio)
- **Improved** The "Enable encrypted telephony" option is offered to a provider
- **Improved** Order of telephone numbers in telephone book entries can be changed more easily
- **Improved** The call list shows the country, or for domestic calls, the location, where the call originated
- **Improved** Increased stability of telephone calls
- **Improved** The list of voice codecs for telephony has been revised for one provider

## ## DECT/FRITZ!Fon:

- **Improved** Display of Wi-Fi account information can now be switched on or off for each FRITZ!Fon
- **Improved** Easier deletion of multiple emails via the "delete multiple" option
- **Improved** "Weather" start screen now available in all countries

## ## Home Network:

- **NEW** Names can now also be assigned to devices that use the guest access
- **NEW** Improved overview through individual icons for network devices
- **Improved** Detailed settings of a device on the "Home Network > Network Connections" page redesigned
- **Improved** Random calculation of the Unique Local Address (ULA, IPv6) in accordance with RFC 4193)

## ## Smart Home:

- **NEW** On the device page of FRITZ!DECT 350 window sensor in the FRITZ!Box user interface, window open detection can be configured for the selected radiator controls
- **NEW** The templates also allow the user to set the target temperature for radiator controls; the brightness, saturation, and color for lights, and the position for roller shutters in percentage steps
- **NEW** The temperature settings for the radiator control can be restricted to a lowest and highest temperature (from software version 5.20 for FRITZ!DECT 301 and FRITZ!DECT 302)
- **NEW** Routines can also be triggered by a preset time or a time relative to sunrise/sunset
- **Improved** Reworked registration of Smart Home devices via the FRITZ!Box user interface

## ## System:

- **Improved** File name for saved settings now includes name of individual FRITZ!Box
- **Improved** A personal subject line can be specified for push service
- **Improved** Reworked configuration of push service
- **Improved** Communication to all AVM services for the FRITZ!Box (update, etc.) preferentially via IPv6 with fallback to IPv4
- **Improved** Link to reset the password more prominent in the "Forgot password" email
- **Improved** With "Diagnostics > Function" the services for the Network Time Protocol are checked and relevant information displayed about any errors found
- **Improved** Simplified address changes in push service through the new default recipient, which can be specified independently of the sender

## ## USB/Media Server:

- **Improved** Energy-saving function now also works with USB storage devices in Green Mode (USB 2.0)
- **Improved** Data packets downloaded from fritz.nas now include the name of the given FRITZ!Box model and a time stamp in the file name to ease identification

## ## Repeater:

- **Improved** A personal subject line can be specified for push service on FRITZ!Repeaters as well

## Powerline:

- **\*\*NEW\*\*** Password for all devices in the powerline network can be changed with a single click



## Additional Improvements in FRITZ!OS 8.01

### ## Internet:

- **Changed** The AES-192 encryption algorithm is no longer supported in Phase 2 SAs of VPN connections
  - **Changed** The hash algorithm MD5 and the 3DES encryption algorithm are no longer used on VPN connections over IPSec for reasons of security
  - **Changed** The IPv6 option "Assign unique local addresses (ULA) as long as no IPv6 internet connection exists (recommended)" is no longer offered
  - **Fixed** Under some circumstances the network traffic of a connected telephone system was not routed via a specially configured VoIP interface
  - **Fixed** Under certain circumstances, OpenWrt devices operated behind a FRITZ!Box did not receive an IPv6 connection to the internet
  - **Fixed** Independent port sharing (UPnP) for the same port with various home network devices did not work under certain circumstances
  - **Fixed** In some circumstances active WireGuard® connections were interrupted when adding or deleting WireGuard® connections
  - **Fixed** VPN connections via WireGuard® to an endpoint given as multiple (comma separated) domains could not be established
  - **Fixed** IPv6 sharing settings as "Exposed Host" for devices with delegated IPv6 prefix were sporadically deleted
- Fixed** Incorrect entry for the NTP server in DHCPv6 reply of the FRITZ!Box resulted in IPv6 home network devices not being able to obtain a valid time

### ## Wi-Fi:

- **Changed** Text reference to selection of "WPA2 + WPA3" Wi-Fi encryption removed
- **Fixed** WLAN LED flashed for an unnecessarily long time after change to a Wi-Fi setting when no guest access was active
- **Fixed** When 5-GHz channels were checked for radar (DFS), no wait cursor was displayed under these channels in the user interface
- **Fixed** Repeaters that were logged into the guest network were not marked as "Wi-Fi guests"

**## Telephony:**

- **Fixed** Registration of telephone numbers failed in certain constellations
- **Fixed** Telekom CompanyFlex SIP trunking - Outgoing calls failed when telephone number suppressed
- **Fixed** Under certain conditions, voice transmission was disrupted after a short time during ongoing telephone calls

**## Smart Home:**

- **Fixed** Link for automatic adjustment between an external temperature sensor and a radiator control was lost when the FRITZ!Box restarted

**## System:**

- **Changed** The link generated by "Forgot Password" push service in the email is valid for 20 minutes
- **Fixed** After failed download of a FRITZ!OS update, under certain circumstances no further update queries were performed
- **Fixed** After results of functional diagnostics were sent, an event message about changed FRITZ!Box settings was displayed
- **Fixed** The "Live TV" button for Magenta TV streaming was missing in the user interface when displayed on smartphones and tablets
- **Fixed** When accessing the FRITZ!Box interface via the internet (https), individual elements or pages were sporadically missing

**## USB/Media Server:**

- **Fixed** In certain constellations, access to NAS contents via download link was not possible

## Changes for Providers in FRITZ!OS 8.01

### ## DOCSIS:

- **Changed** Provider profiles "PYUR/Primacom" and "PYUR/Tele Columbus" combined to "PYUR"

### ## Internet:

- **NEW** Support for MAP-T, MAP-E, Lw4o6, DS Lite
- **Improved** For TR-064, the topics MQTTControllerTopic (string) and MQTTResponseTopic (string) were added to the action "AddUSPController"
- **Improved** MTU and IPv6 mode can be set for IPv6 by TR-069; see documentation
- **Improved** Serial number added to the TR-098 data model under: InternetGatewayDevice.DeviceInfo.X\_AVM-DE\_ProdSerialNumber (r, string)
- **Improved** USP: BulkData ForceCollection() for requesting the immediate transfer of bulk data (outside the schedule) implemented by the USP controller
- **Improved** Support for USP v1.3
- **Improved** When the time cannot be determined via a separate connection with the Network Time Protocol does not work, time determination is attempted via the normal internet connection
- **Changed** During TR-069 setting IGD.UserInterfaceX\_AVM-DE\_AutoUpdate to '0: disabled' is no longer supported; 'IGD.ManagementServer.UpdatesManaged' can be used instead
- **Changed** TR-069 parameter for enabling of Ingress shaping enables the function for monitoring the automatic fair distribution of the bitrate on the internet connection in the home network
- **Changed** USP: When MQTT is used, USP messages with defective or missing content type are no longer discarded for reasons of compatibility

### ## Telephony:

- **Improved** Support for RFC 6228 "Session Initiation Protocol (SIP) Response Code for Indication of Terminated Dialog"
- **Improved** Optimized 503 Retry After behavior
- **Changed** In the factory settings, an entry for the German inland information, "11833", will no longer be created in the telephone book because the directory assistance offered through this number shall be discontinued

- **Fixed** Mandatory parameters for TLS are missing in REGISTER and INVITE for CompanyFlex DDI trunk

## Improvements in FRITZ!OS 07.63

### ## Internet:

- **Fixed** During active VPN connection over WireGuard® with transmission of entire network traffic, the FRITZ!Box allowed selection of user for HTTPS access
- **Fixed** In certain browser versions https pages were not filtered reliably

### ## Wi-Fi:

- **Change** For improved compatibility with older wireless devices, security settings can be adjusted on the "Wi-Fi > Security" page
- **Change** Wi-Fi encryption switched to WPA2/WPA3 ("transition mode") (devices with Wi-Fi 7)
- **Fixed** Login problems with Google Pixel 8 after DFS event (5 GHz)
- **Fixed** Problems with enabling the spectrum after "puncturing event" (5 GHz)
- **Improved** Display of additional parameters with MLO connections on the page "Wi-Fi > Wi-Fi Network" (devices with Wi-Fi 7)

### ## Repeater:

- **Fixed** Under certain circumstances the network connection could be permanently disrupted

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