



Using the FRITZ!Box as a wireless repeater

You can connect the FRITZ!Box as a wireless repeater to an existing FRITZ!Box. Internet and telephony services configured in the existing FRITZ!Box are then available to the FRITZ!Box configured as the wireless repeater and can be used by the devices connected to this FRITZ!Box.

The FRITZ!Box cannot be used as a wireless repeater with a router from another manufacturer.

Please Contact Digiweb Technical Support before attempting to setup a Fritzbox repeater.

Configuring the FRITZ!Box as a wireless repeater

Connecting the computer with the wireless repeater

- Use Wi-Fi or a network cable to connect a computer to the FRITZ!Box you want to use as a wireless repeater "Digiweb Repeater".
- If the computer is already connected to the FRITZ!Box Modem that establishes the internet connection, clear that connection and connect to the new Fritzbox Repeater.
- Power OFF the main Fritzbox modem you already had
- Open a browser on the device you have connected to the Repeater
- In the URL address bar enter 192.168.178.1 or 169.254.1.1
- The password required is located on the sticker on the back of the repeater
- Once you are logged into the repeater you can now power the main modem back on

Configuring the operating mode

- Click "Home Network" in the FRITZ!Box user interface (Menu on the left).
- Click on "Mesh" in the "Home Network" menu.
- Click on the "Mesh Settings" tab.
- Enable the option "FRITZ!Box as a Mesh Repeater".
- Enable the option "via Wi-Fi".
- Under "Selecting the Wi-Fi Network", select the Wi-Fi network of your FRITZ!Box with internet access. If the FRITZ!Box is not displayed:
- Reduce the distance between the two devices.
- Click the "Refresh List" button and then select the FRITZ!Box with internet access.

FRITZ!Box 7530 FRITZ!NAS MyFRITZ! TR069-b9b281a8

Home Network > Mesh

Mesh Overview **Mesh Settings**

A second FRITZ!Box can be used to improve the wireless coverage in your home network. Set the operating mode to "Mesh Repeater" and connect it with another FRITZ!Box that supports Mesh Wi-Fi, which functions as an access point for Wi-Fi and Mesh. The advantage of Mesh Wi-Fi is that it establishes a unified Wi-Fi network with the same properties and optimum performance - controlled centrally by the FRITZ!Box operating as the access point.

Changing the FRITZ!Box Operating Mode
Set here how the FRITZ!Box is to behave in the Mesh.

FRITZ!Box as the Mesh Master
The settings configured on this FRITZ!Box are automatically applied to the entire Mesh.

FRITZ!Box as a Mesh Repeater
This FRITZ!Box extends the Mesh and adopts the settings on the Mesh Master.
 This FRITZ!Box is a network device (IP client) in the home network of a different router. It receives an IP address from the router.

Access to Home Network

via Wi-Fi
 via LAN

Selecting the Wi-Fi Network
Select here the Wi-Fi network to expand your FRITZ!Box as a wireless bridge. If the selected Wi-Fi network is set up by another FRITZ!Box with Mesh Wi-Fi, you can also operate this FRITZ!Box as a Mesh Repeater.

Name	Frequency	Channel	MAC address	Encryption
<input checked="" type="checkbox"/> FRITZ!Box 7530 5ghz	5 GHz	36	DC:39:6F:6E:EF:67	WPA2
<input type="checkbox"/> FRITZ!Box 7530 2,4ghz	2,4 GHz	4	DC:39:6F:6E:EF:66	WPA2
<input type="checkbox"/> FRITZ!Box 7530 5ghz	5 GHz	100	DC:39:6F:6E:EF:68	WPA2
<input type="checkbox"/> FRITZ!Box 7530 WE	2,4 GHz	1	2C:91:AB:A0:1A:17	WPA2
<input type="checkbox"/> FRITZ!Box 7560 WX	2,4 GHz	11	E8:DF:70:D4:73:5B	WPA2

Refresh List

- Enter the network key of the FRITZ!Box with internet access in the "Network key" field.
- Click "Apply" to save the settings.

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Home Network > Mesh

Mesh Overview **Mesh Settings**

WPA2

Entering the Network Key
Enter the network key of the selected Wi-Fi network.

Network key

12 characters entered

Local Wi-Fi Network Information
The FRITZ!Box has the following addresses in the home network at its disposal:
MAC address of Wi-Fi network 3E:91:AB:D7:8D:5A
(2.4 GHz):
MAC address of Wi-Fi network 3E:91:AB:D7:8D:5B
(5 GHz):
If you have to enter a MAC address to register with the access point, enter the address given here for the frequency band to be used.

Adding to a Mesh Wi-Fi
Once you click on Apply, this FRITZ!Box will be connected with the other FRITZ!Box via Wi-Fi. To conclude configuration in the Mesh Wi-Fi, press the button on the other FRITZ!Box and this FRITZ!Box that triggers WPS as soon as they are connected with each other.

Automatically Adopting Settings from the Mesh
As a Mesh Repeater, this FRITZ!Box can automatically adopt and permanently synchronize the settings of the Mesh Master. These settings are:

1. All relevant Wi-Fi network settings, including the name of the Wi-Fi network, guest access, Wi-Fi channel
2. Settings for auto updates, push service, and AVM services
3. The device name assigned for this device in the Home Network of the Mesh Master

Use the telephone book of the Mesh Master

Apply Cancel

Mesh both networks

Hold the WPS button down (5 seconds) on your main modem that establishes your internet connection. Once the WLAN light begins to flash then hold down the WPS button on the new repeater (5 seconds). The WLAN light will then go steady on both FRITZ!Box's. This will mesh both modems together and create one network. Any future settings changed on the main modem will also be changed on the repeater.

For more Broadband Setup & Troubleshooting reference visit:
<https://www.digiweb.ie/knowledge-base/>



Technical Support
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