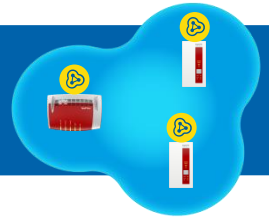
Demands on wireless Lan: Wifi Mesh has a lot to offer

Indispensable today

Wireless LAN experience

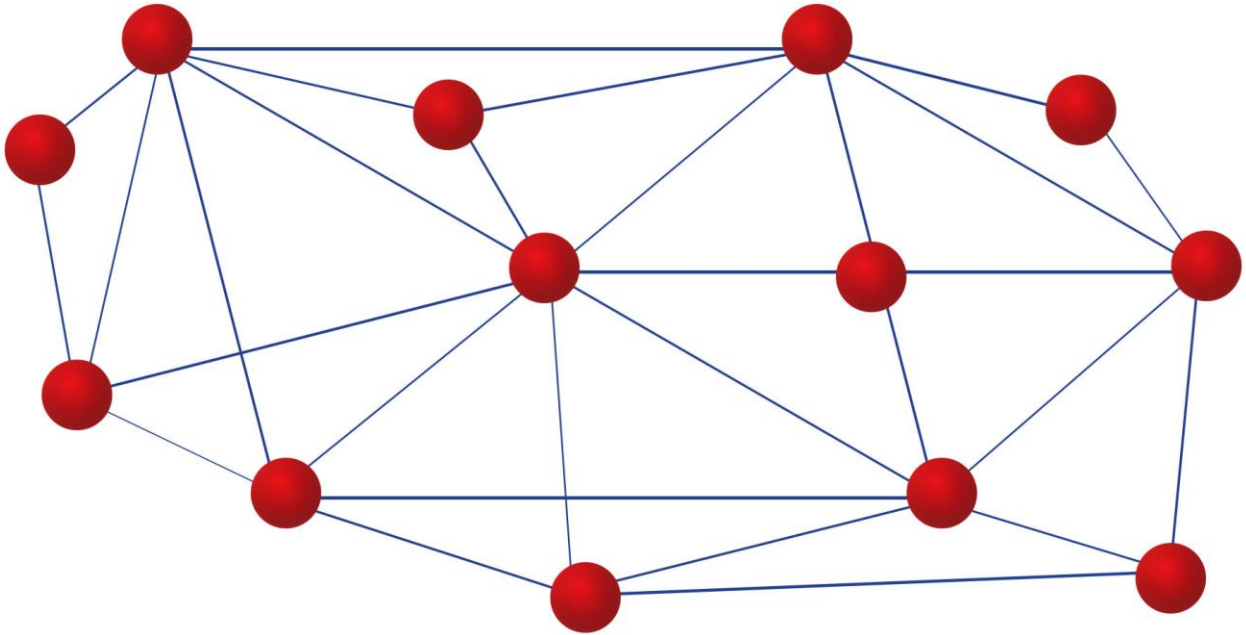


Fast and reliable wireless LAN in any situation...

... whether it's used by the whole family at home, in the garden or in the office.

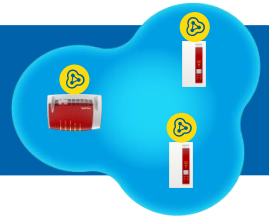
Ever heard of the Internet?

What is a mesh Network?



Customer demands

Wireless LAN experience



The customer expects

reliable WiFi

in the entire home...

... with stable and fast connections

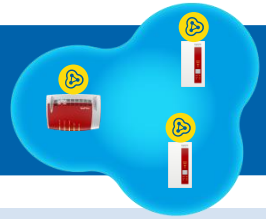
... for multiple devices

... with simple handling

... and easy to expand as needed

More bandwidth at the connection, more data-hungry devices

Increasing demands on wireless LAN



DSL

CABLE

FIBER

WAN

LTE

Internet & Periphery

Smartphone/tablet

PC / notebook

NAS / storage

Printer

Telephony

Analog & ISDN

DECT telephony

VoIP

Landline via app

Contacts

Home automation

Aquarium

Washing machine

Lights

Heating

Door intercom system

Streaming

Smart TV

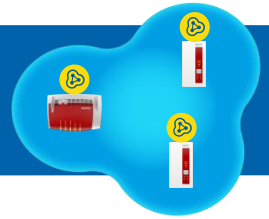
Game console

Web radio

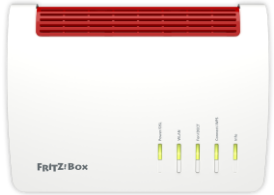
Beamer

The powerful wireless system: modularly expandable

NEW: Mesh WiFi



The strong wireless base station



- High performance & range
- Self-optimizing wireless LAN
- Secure ex works
- Diverse product variants
- **NEW: integrated Mesh WiFi**

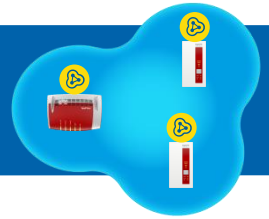
- Configuration Plug & Play
- Powerful uplink
- Diverse product variants
- **NEW: integrated Mesh WiFi**

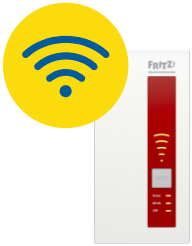
FRITZ!WLAN Repeater & FRITZ!Powerline

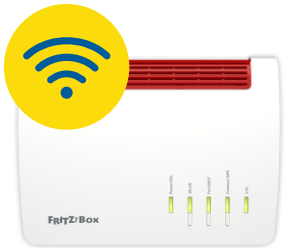
Two options for modular expansion

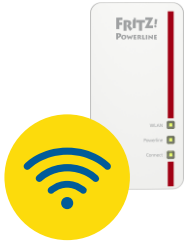
The powerful FRITZ! wireless system: modularly expandable

NEW: Mesh WiFi



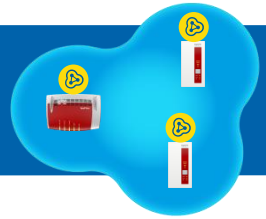


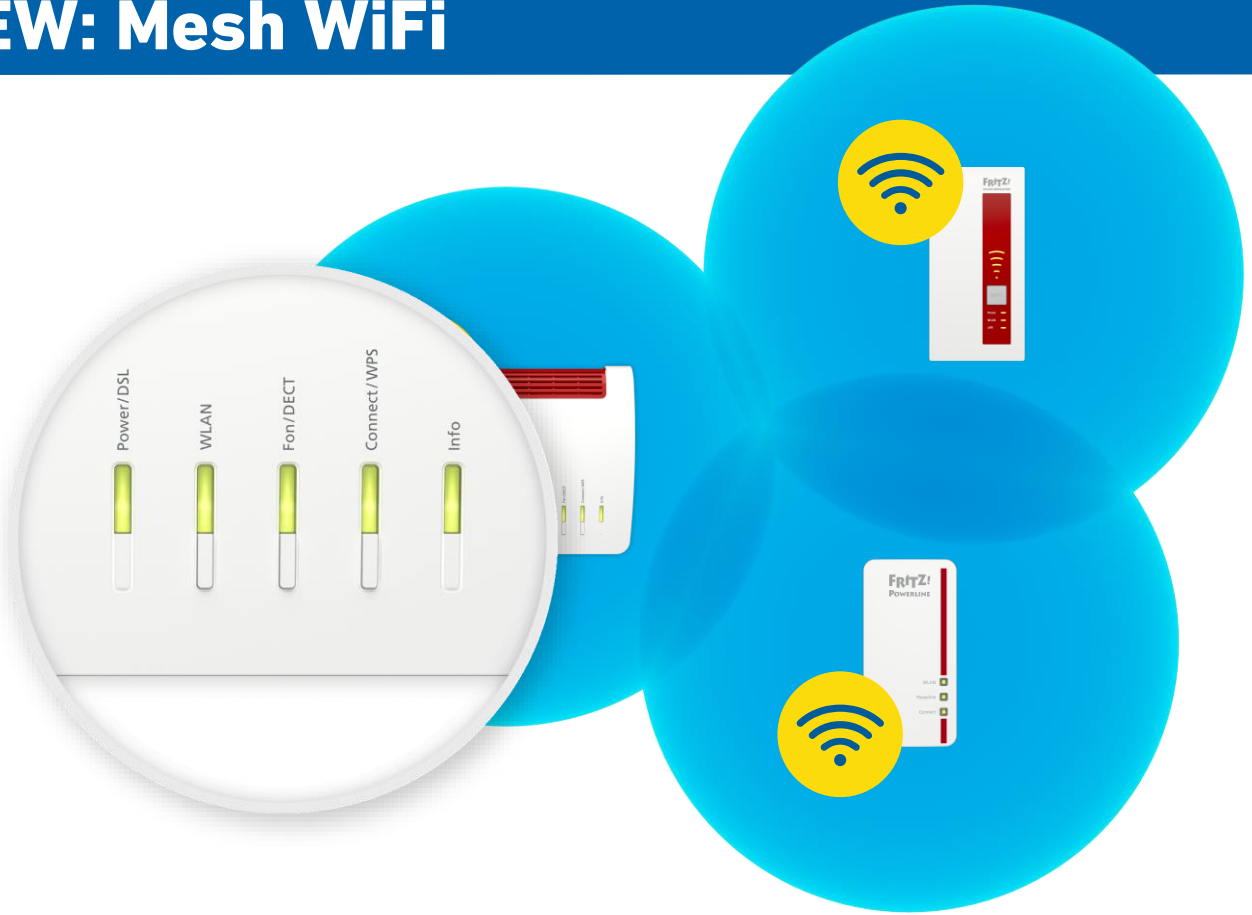




The powerful FRITZ! wireless system: modularly expandable

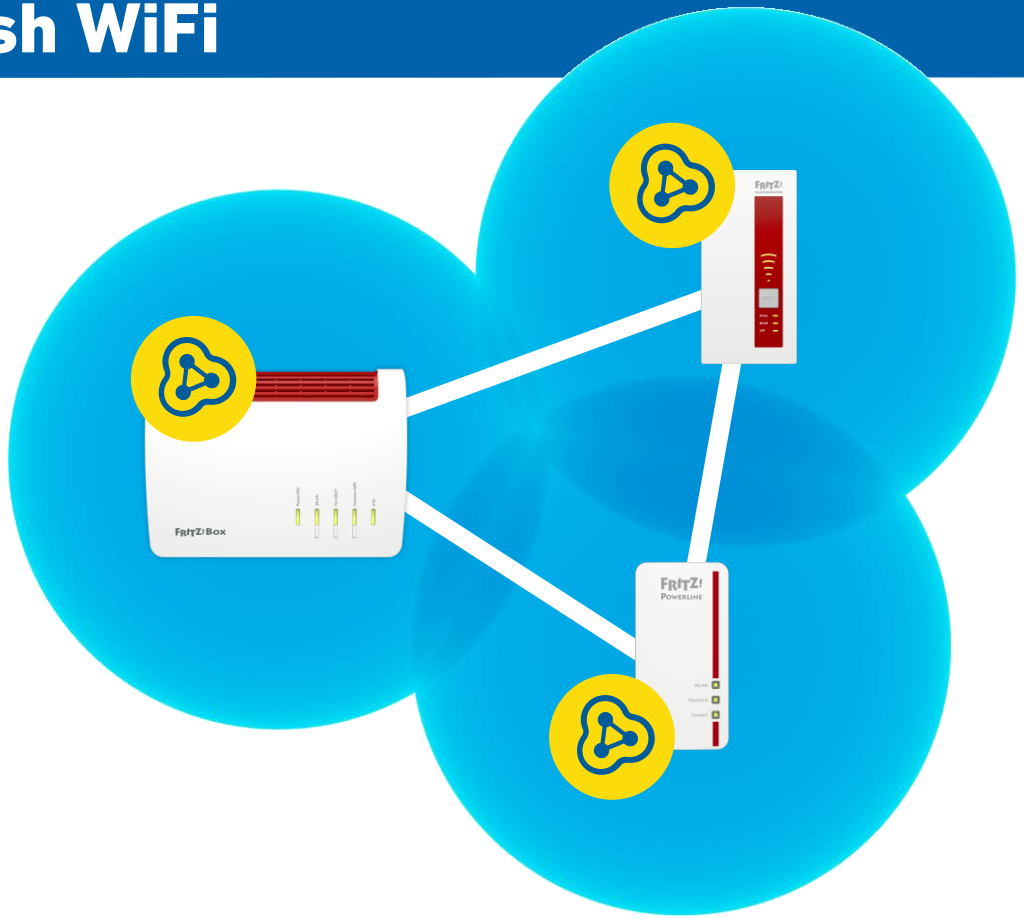
NEW: Mesh WiFi





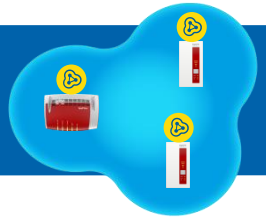
The powerful FRITZ! wireless system: modularly expandable

NEW: Mesh WiFi



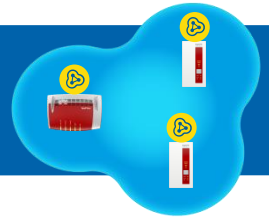
The powerful FRITZ! wireless system: modularly expandable

Mesh WiFi – from S to XL

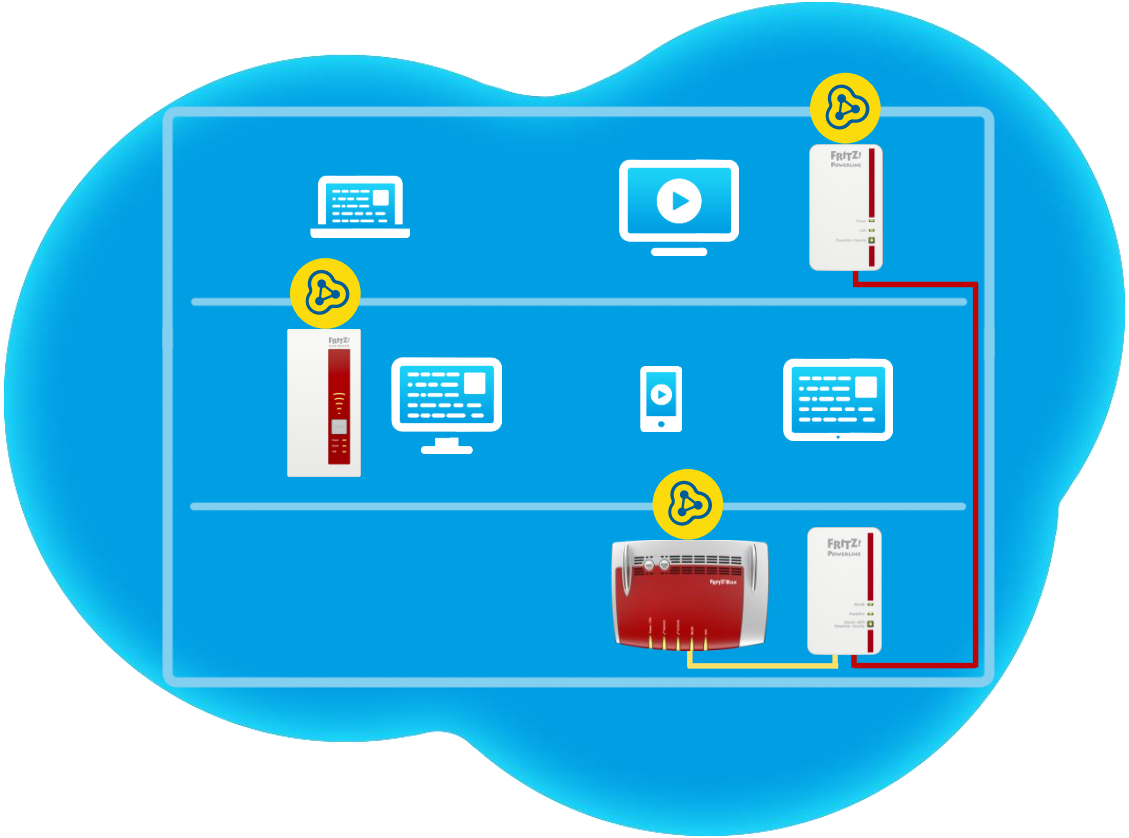


The powerful FRITZ! wireless system: modularly expandable

Mesh WiFi – with WiFi and Powerline



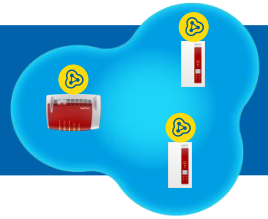
WiFi via FRITZ!
Repeater

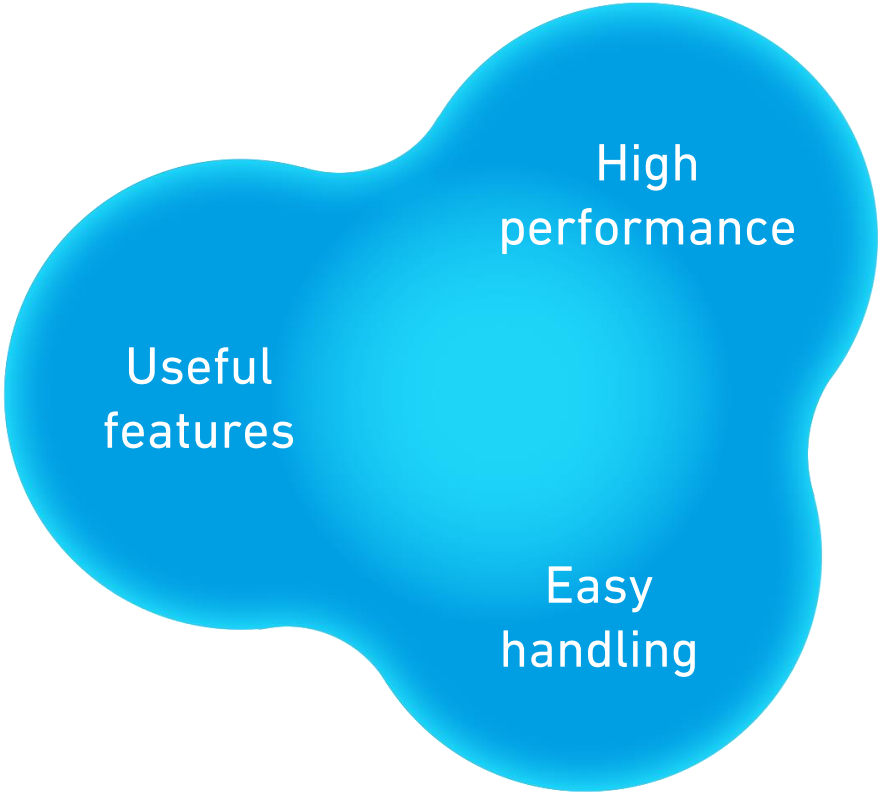


FRITZ!Powerline
supporting WiFi

The benefits of Mesh WiFi

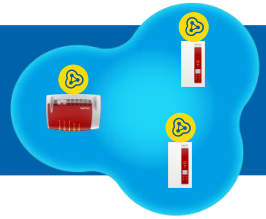
Performance – Handling - Features





The benefits of Mesh WiFi

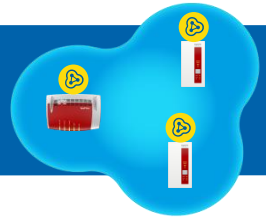
High performance



The Mesh advantage	Features
Optimum data throughput everywhere at home	• Auto channel • Crossband repeating • Powerline
Strongest signal for all home network devices	• Band steering • Beamforming
Top image quality for video & TV applications	• Optimized for IP multicast & streaming

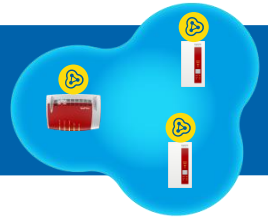
The benefits of Mesh WiFi

Easy handling



The Mesh advantage	Features
High customer-friendliness through simple setup	• Can be expanded at the push of a button
Seamless wireless LAN in the entire home - terminal devices need no adjustments	• One SSID in the entire wireless Mesh network • Client steering • Handover
Simple operation after configuration	• Central control via FRITZ!Box • Auto update for Mesh products

Useful features



The Mesh advantage	Features
Reliable protection of the home network against unauthorized use	• High WiFi and device security preconfigured ex works
Safe surfing for the whole family	• Parental controls • Time budget
Offering wireless LAN for guests	• Additional guest SSID • Securely isolated from the home network • Registration page

FRITZ!OS 7

Zero Wait DFS

Dynamic Frequency Selection

- Primary user radar on 5 GHz above channel 48

Previously

- 1-10 minutes waiting time when detecting radars

Now

- Automatically scans in the background
- Change to the new channel with client notification

FRITZ!OS 7

Improved Performance with 802.11 v/k

802.11k (channel list)

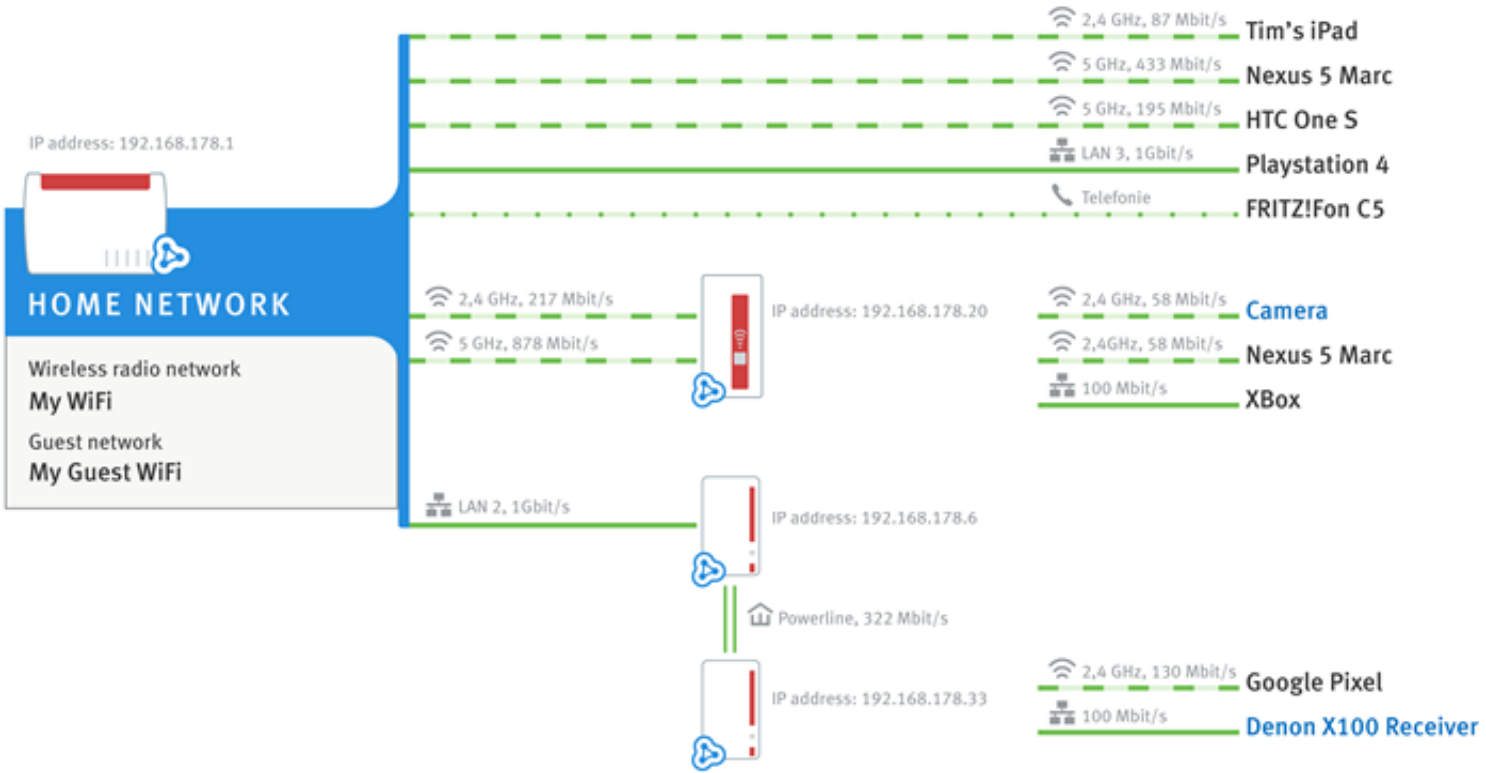
- List of all access points
- Choose the next access point from the list
- Speeds up the switch to roaming targets

802.11v („verzieh dich“)

- Roaming allocation through access point
- Currently used by the FRITZ!Box for band steering

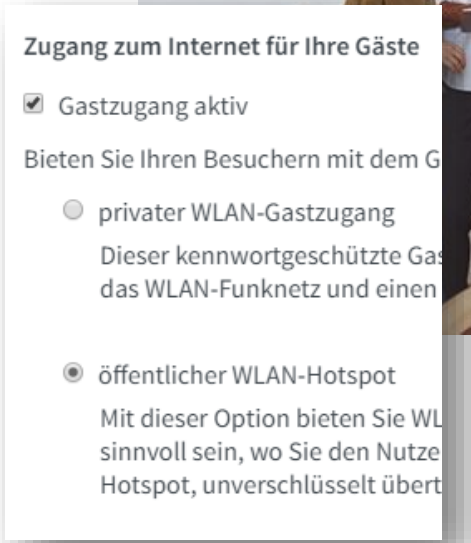
Mesh WiFi

The entire home network at a glance



FRITZ!OS 7

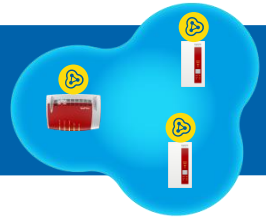
Open FRITZ! Hotspot



- Interference liability abolished in Germany
- Private guest access with password protection
- Open Hotspot can be accessed by anyone
- Ideal for cafés, doctor‘s offices…

NEW: Mesh WiFi

Sum-up



FRITZ!Box and its **companion products** offer a new feature with **Mesh WiFi** for the upcoming demands on WiFi.

- High performance wireless LAN
- Maximum speed and range
- Can be expanded as needed at the push of a button

Thank you.

AVM GmbH