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FRITZ 1260E Powerline Wlan Set Installation Guide

512030003
FRITIZ Powerline 1260E Wlan Set
Installation and Operation

Contents

1260E Powerline Wlan Set

Legal Notice

The licensing conditions are specified in the user interface:

1. Open a web browser.

2. Enter **http://fritz.powerline** in the address field.

   The FRITZ!Powerline user interface opens.

3. Click "Help / Legal Notice".

Package Contents

1 FRITZ!Powerline 1260E
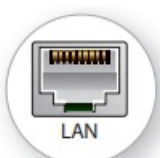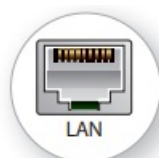
1 FRITZ!Powerline 1220E

2 LAN cables

Device Features

1260E	1220E	Function
		• Power supply • Interface to the powerline network
		• Wireless access point • For connecting to the wireless radio network
		• For connecting electrical devices and multi-outlet strips • Line fi lter to protect connections from interference
LAN	LAN	• For connecting network devices
		• Status display • For establishing secure connections

Security

- Operate the FRITZ!Powerline 1260E and FRITZ!Powerline 1220E in dry places free of dust and protected from direct sunlight, and provide for suffi cient ventilation.
- The FRITZ!Powerline 1260E WLAN Set is intended for indoor use only.
- Plug the FRITZ!Powerline adapters into easily accessible outlets in your home.
- Never let liquids get inside the FRITZ!Powerline adapters.
- Do not open the FRITZ!Powerline adapters. Opening and/or repairing the device can present a hazard.
- Remove the FRITZ!Powerline adapters from the mains before cleaning. Clean the device using a moist cloth.

This Is the FRITZ!Powerline 1260E WLAN Set
This quick introduction shows you the possibilities for deploying and operating your FRITZ!Powerline 1260E WLAN Set. The FRITZ!Powerline 1260E WLAN Set is comprised of the powerline adapters FRITZ!Powerline 1260E and FRITZ!Powerline 1220E.
The FRITZ!Powerline 1260E WLAN Set lets you set up a complete powerline network that is encrypted and ready for secure operation immediately upon delivery. FRITZ!Powerline 1220E is the connection from your internet router to the powerline network. FRITZ!Powerline 1260E can be deployed throughout the home and serves as a fast, secure internet access point for your wireless and network devices.
In the FRITZ!Box home network, FRITZ!Powerline 1260E automatically adopts the FRITZ!Box's settings. With a FRITZ!Box that has FRITZ!OS 6.90 or higher installed, you can also benefi t from expanded Mesh WiFi functionality.
Information about the benefi ts and the confi guration of Mesh WiFi is presented at **en.avm.de/mesh-networking**.
For device settings FRITZ!Powerline 1260E has a user interface which you can open in a web browser on all connected devices.
Detailed instructions and technical details are presented in the PDF manuals for the FRITZ!Powerline 1260E and

FRITZ!Powerline 1220E products available on our website **en.avm.de/service**.
Have fun with your FRITZ!Powerline 1260E WLAN Set.

User Interface

FRITZ!Powerline 1260E has a user interface you can open in the web browser on your computer. Enter the following address:

- In the home network of a FRITZ!Box: **http://fritz.powerline**
- For multiple FRITZ!Po werline devices with a user interface: <IP address> (the IP address is displayed in **http://fritz.box** under "Home Network")
- In the home network of another Internet router: <IP address> (the IP address is displayed in the user interface of the router)
- Without a connection to the home network and router: **192.168.178.2**

Settings and Functions
In the user interface you can:

- Perform an update to the latest FRITZ!OS version (fiirmware)
- Configure various settings for FRITZ!Powerline 1260E, for instance, switch the LEDs off
- Add a powerline adapter to the powerline network without pressing the button
- Configure FRITZ!Powerline 1260E as a wireless repeater
- If you have Ethernet house wiring or a router without wireless LAN functionality: Confi gure the connection to the Internet router via LAN cable Software for Microsoft Windows and MacOS
- Update and control also with the FRITZ!Power- line program, available for download at **en.avm.de/powerline**.

Starting Operation of the FRITZ!Powerline 1260E WLAN Set

1. Insert the FRITZ!Powerline 1220E in an outlet and use the LAN cable to connect it with your Internet router (FRITZ!Box).
2. Insert FRITZ!Powerline 1260E in an outlet close to your Internet router (FRITZ!Box) and wait until the Powerline LED lights up permanently.
   If you have a FRITZ!Box with FRITZ!OS 6.90 or higher installed, you can integrate
   FRITZ!Powerline 1260E into the Mesh WiFi of your FRITZ!Box: First press the WPS or Connect button on the FRITZ!Box, and then press the Connect button on FRITZ!Powerline 1260E and hold it down for 1 second. The LEDs on FRITZ!Powerline 1260E will start flashing.
3. As soon as the Connect LED stops fl ashing, you can insert FRITZ!Powerline 1260E into an outlet at the location where you need access to the Internet and the home network for your smartphone, tablet and other network devices.
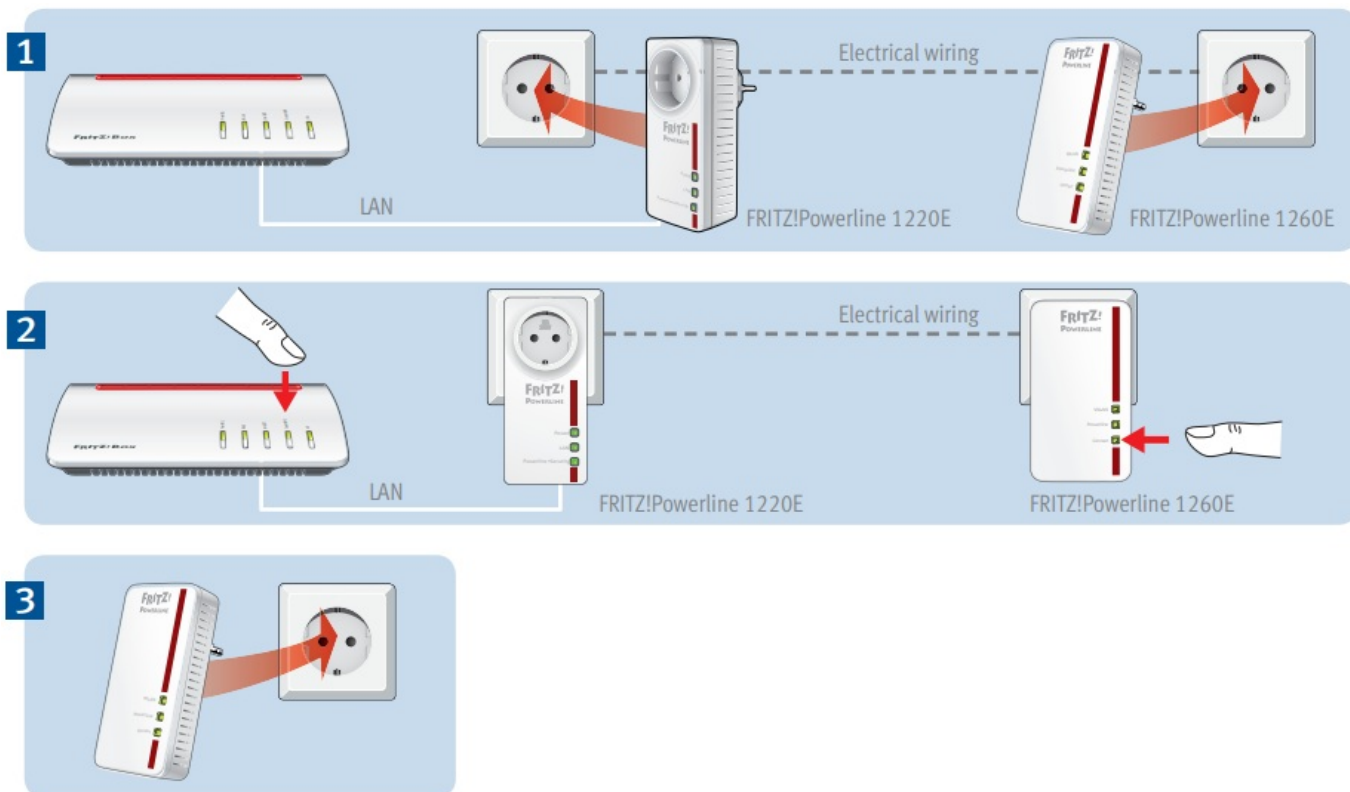
FRITZ!Powerline in the FRITZ!Box Home Network
The FRITZ!Powerline 1260E WLAN Set realizes its entire spectrum of performance in the home network of a FRITZ!Box.

FRITZ!Powerline 1260E WLAN Set in the Home Network of a FRITZ!Box with FRITZ!OS 6.90 or Higher

- In the home network of a FRITZ!Box with the FRITZ!OS device software version 6.90 or higher

  – updates for the FRITZ!Powerline 1260E WLAN Set can be started directly from the Home Network Over view in the FRITZ!Box user interface: **http://fritz.box**

  –FRITZ!Powerline 1260E benefi ts from expanded Mesh WiFi functionality
- With Mesh WiFi functionality

  – FRITZ!Powerline 1260E adopts the FRITZ!Box's wireless LAN settings.

  – FRITZ!Powerline 1260E adopts changes to settings that are confi gured in the FRITZ!Box.

  – wireless devices always establish connections with the strongest wireless network and switch between the radio networks automatically.
- Information on AVM Mesh WiFi is presented at en.avm.de/mesh-networking.

FRITZ!Powerline 1260E WLAN Set in the Home Network of a FRITZ!Box with FRITZ!OS up to 6.6x
In the home network of a FRITZ!Box with FRITZ!OS device software up to version 6.6x, FRITZ!Powerline 1260E cannot benefi t from expanded Mesh WiFi functionality, but can adopt the FRITZ!Box's wireless LAN settings atthe push of a button. Detailed information is presented in the FRITZ!Powerline 1260E PDF manual available at **en.avm.de/service**.

Connecting Wireless and Network Devices
With your wireless and network devices (smartphone, laptop, for instance) you can use FRITZ!Powerline 1260E WLAN Set as an access point to the home network and to the internet. You can connect devices with FRITZ!Powerline 1260E via LAN cable or wireless LAN. Wireless connections are established with WPS (Wi-Fi Protected Setup) or by entering the wireless network key.

Establishing a Wireless LAN Connection Using WPS

1. Briefly press the Connect button on FRITZ!Powerline until it starts to fl ash.
2. Start WPS on your wireless device within two minutes.

Establishing a Wireless LAN Connection with a Network Key

1. Start establishing a wireless LAN connection on the wireless device.
2. If you adopted the wireless network key of the FRITZ!Box, enter this key. If you did not adopt the wireless network key of the FRITZ!Box, enter the wireless network key from the sticker on the back of the FRITZ!Powerline housing.

Optimizing the Data Rate

A powerline network is infl uenced by many factors. With the following steps you can contribute to an optimal data rate in your powerline network:

- Insert powerline devices directly into wall outlets and avoid using multi-outlet strips.
- If you can't avoid using multi-outlet strips:
  – Use a multi-outlet strip without surge protection.
  – Connect as few devices as possible to the multi-outlet strip.
  – Insert your powerline device in the fi rst socket, directly at the cable.
- If you cannot avoid using a multi-outlet strip with surge protection, then the surge protection should be located behind the powerline device.
- The data rate in a powerline network drops for:
  – a connection over multiple phases
  – a connection that has to pass through a junction box, a circuit breaker, a dimmer or ballast units
  – use of a power drill or a vacuum cleaner
  Attempt to minimize these infl uences.
- The quality of your powerline network can also be optimized using the AVM FRITZ!Powerline software, which you can download from **en.avm.de/powerline**.

LEDs and Button: FRITZ!Powerline 1260E

Condition		Meaning
WLAN	on	Wireless LAN enabled
	off	Wireless LAN disabled (in the user interface)
	flashing	In Wireless Bridge mod: Searching for the access point
Powerline	on	Connected with the powerline network
	off	No connection with the powerline network, or powerline switched off (in the user interface)
Connect	Flashing along with WLAN and Powerline	• FRITZ!Powerline is being integrated into the FRITZ!Box's Mesh WiFi • Receiving or transmitting the password of the powerline network • Performing WPS (Wi-Fi Protected Setup) • Restart

Press Connect
Integrating FRITZ!Powerline into the network / triggering WPS / enabling Mesh WiFi………… 1 second
Loading factory settings ………..longer than 15 s.

LEDs and Button: FRITZ!Powerline 1220E

Condition		Meaning
Power	on	FRITZ!Powerline has electrical power
	flashing slowly	FRITZ!Powerline is on standby
	off	FRITZ!Powerline has no electrical power
LAN	on	LAN port in use
	off	No cable is connected; the connected device is switched off
Powerline• Security	on	FRITZ!Powerline connected with powerline network and ready for data exchange
	flashing	FRITZ!Powerline is restarting / configuring security settings
	off	FRITZ!Powerline did not detect any compatible powerline devices that use the same network key

Press Powerline • Security
Integrating FRITZ!Powerline into the powerline network …………….1 second
Loading factory settings……………………….. 10 to 15 seconds
Properties / Technical Specifi cations

- Expanding the Mesh WiFi of the FRITZ!Box via Powerline
- Range extension with powerline 2 x 2 MIMO technology
- Powerline transmission at up to 1200 Mbit/s: Photos, music, video in HD, VoIP, surfi ng
- Powerline connection securely encrypted ex works with AES 128-bit, powerline network expanded at the push
  of a button

- 230 V, 50 Hz A/C
- FRITZ!Powerline 1260E
  - Wireless LAN at up to 866 Mbit/s in the 5-GHz band and up to 400 Mbit/s in the 2.4-GHz band, connects PCs, tablets, printers and other network devices
  - Wireless LAN security with WPA2
  - 1 gigabit Ethernet (1000 Mbit/s) for connecting TV, Blu-ray, stereo
  - Height x width x depth (in mm): 132.3 x 67 x 69.3 / 32.5 (with / without plug)
  - Average power consumption: ca. 6.7 W
  - 0 °C to +40 °C
- FRITZ!Powerline 1220E
  - 2 x gigabit Ethernet (1000 Mbit/s) for connect- ing network devices
  - Height x width x depth (in mm): 132.3 x 59.5 x 77.7 / 40.5 (with / without plug)
  - Average power consumption: ca. 3 W
  - 0 °C to +35 °C

Diagnostics and Maintenance

The FRITZ!Powerlinie transfers diagnostics data to AVM, which support us in further developing the product. This allows you to benefi t directly from optimizations and FRITZ!OS updates. For more detailed information, see the help on the user interface at **http://fritz.powerline**.
Declaration of CE Conformity
AVM declares herewith that the FRITZ!Powerline 1260E WLAN Set is compliant with the basic requirements and the relevant rules in directives 2014/53/EC or 2014/30/EC and 2014/35/EC, 2009/125/EC and 2011/65/EU. The declaration of CE conformity is
available at **http://en.avm.de/ce**.

Customer Service
Manual: **avm.de/en/service/manuals**
Support: **en.avm.de/service/support-request/your-support-request**
Disposal

In accordance with the Electrical and Electronic Equipment Act, the FRITZ!Powerline 1260E WLAN Set and cable may not be disposed with household waste. Please bring these to your local collection points for disposal.
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2. Enter **http://fritz.powerline** in the address field.

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3. Click "Help / Legal Notice".

Documents / Resources

 FRITZ 1260E Powerline Wlan Set [pdf] Installation Guide
1260E, 1220E, 1260E Powerline Wlan Set, Powerline Wlan Set, Wlan Set, Set

References

- **Handbücher für FRITZ!Box | AVM Deutschland**
- **Mesh | AVM Deutschland**
- **Service | AVM Deutschland**
- **Complete home networking | AVM International**
- **Declarations for FRITZ!Box | AVM International**
- **Support | AVM International**
- **Productos | AVM España**
- **Manual-Hub.com - Free PDF manuals!**
- **User Manual**