FRITZ!Powerline 500E
The Home Network at Every Outlet

FRITZ!Powerline 500E turns every outlet into a fast, secure network port, using your house's existing wiring for data transmission.

The FRITZ!Powerline 500E adapters connect network devices to your home network easily. Ranges of up to 500 m on the power line can be used for networking. Transmission rates of up to 500 Mbit/s are possible between two adapters connected to different power outlets. Thanks to its fast gigabit LAN port, the FRITZ!Powerline 500E is especially suitable for broadband-intensive network applications like broadcasting music and HD videos, as well as fast surfing, gaming, Internet TV and video on demand.

The integrated chip set has the latest energy-saving features at its disposal. Power consumption during standby is reduced to a minimum (under 1 W); even during operation it remains low at 4.5 W.
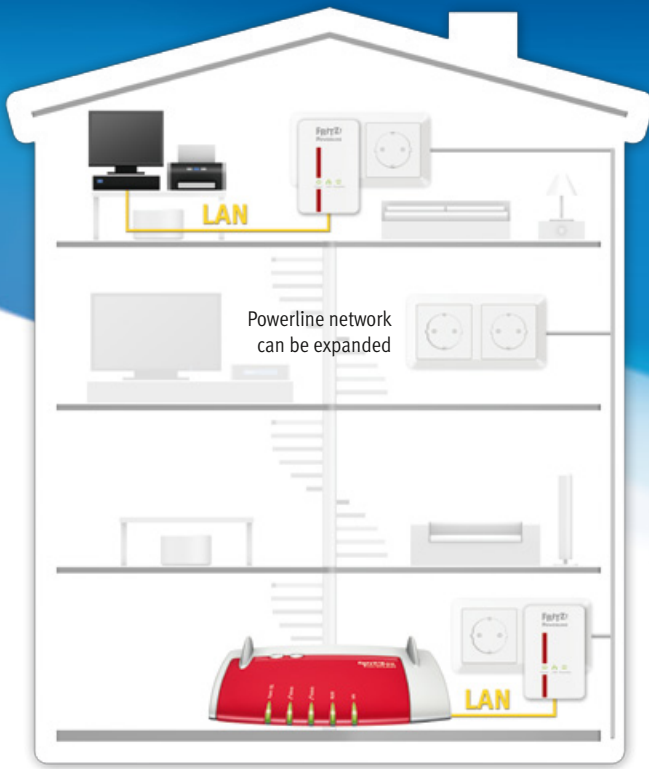
Launching operation of the FRITZ!Powerline 500E is child's play. The pair of adapters is plugged into two outlets, and then one adapter is connected to the FRITZ!Box (or another router) and the other with a network device like your PC, stereo or TV. No additional configuration is required.

The Powerline LED turns green as soon as the network has been established. Secure 128-bit AES encryption is enabled upon delivery. Additional Powerline adapters can be added at any time to allow more network devices to be integrated into the home network. The FRITZ!Powerline 500E set dovetails with the home network to complement any solutions in place like the FRITZ!WLAN Repeater 300E.

Highlights at a glance

- Expands the home network using your house's wiring
- Immediately operational at every outlet, no installation required
- Networks the FRITZ!Box with PC, printer, TV, stereo, Blu-ray player and other network devices
- Especially suitable for broadband-intensive applications like streaming, surfing, gaming, Internet TV, video on demand and VoIP
- New speed category: data rates of up to 500 Mbit/s
- Range of up to 500 m on the power line
- Energy-saving functions: operating power consumption 4.5 W, under 1 W on standby
- Secure ex works with 128-bit AES encryption
- Compact design and minimal size
- Support for IPv6
- Network additional adapters safely and securely at the push of a button
- Clear, intuitive user interface with many functions

www.fritzbox.eu

Powerline network can be expanded

Data transmission over existing electrical wiring

Technical Features

- Expands the home network using your house's wiring
- Immediately operational at every outlet, no installation required
- Networks the FRITZ!Box with PC, printer, TV, stereo, Blu-ray player and other network devices
- Especially suitable for broadband-intensive applications like streaming, surfing, gaming, Internet TV, video on demand and HD video (even in 3-D)
- New speed category: data rates of up to 500 Mbit/s*
- Range of up to 500 m on the power line
- Gigabit LAN port
- Energy-saving functions: operating power consumption 4.5 W, under 1 W on standby
- Secure ex works with 128-bit AES link encryption and key management
- Compact design and minimal size
- Support for IPv6
- Network additional adapters safely and securely at the push of a button
- Best Internet connection "out of the box": The ideal combination of FRITZ!Box and Powerline
- Simple, clear, intuitive user interface
- Power: 100 to 240 V, 50/60 Hz
- Compatible with Powerline adapters of the 500 and 200-Mbit/s category and the IEEE P1901 standard, coexistence with older Powerline adapters
- Robust data connections thanks to the latest Powerline technology
- High transmission power to rooms located at a distance
- Integrated Quality of Service for optimizing the data flow and quality assurance for speech and video transmissions
- Multicast: supports multicast sessions using IGMP
- 3 LEDs for status display

Simple Start-Up

FRITZ!Powerline 500E does not require any complicated set-up. Pre-pairing ex works means you can start operation right away. As soon as the adapters are plugged into the sockets, with LAN cables connecting one to the FRITZ!Box and the other to the device to be networked (PC, stereo, TV, etc.) the LED turns green: the network has been established (Plug & Play). Even the highest security is provided for, with 128-bit AES encryption also supplied ex works.

Simple Operation by Button or with AVM FRITZ!Powerline Software

Additional adapters can be integrated into the network with ease by pressing a button on one of the adapters already configured. These new connections even have their own 128-bit AES encryption. Use the intuitive user interface to define parameters like adapter names, LED assignments and password changes. The software, downloadable from the Internet at the click of a mouse, also provides an overview of the transmission speeds available in both directions on all of the power outlets used for Powerline. A clear graphic on the user interface shows every Powerline adapter deployed in the network along with data on its performance.

Applications with the FRITZ!Powerline 500E Set

FRITZ!Powerline 500E creates a high-speed network that supports all video, voice and data applications. This includes access to and distribution of media data like photographs, music and videos throughout the entire network, as well as broadband-intensive applications like fast Internet downloads, Internet TV and video on demand.

System Requirements

- Free 230-V outlet
- Free RJ45-LAN port (for full throughput, a gigabit LAN port) on the connected network device

Support

AVM's service includes comprehensive service portals, regular free updates and e-mail support.

Highly Recommended

The IT press has repeatedly commended FRITZ! products for their user-friendliness and high security standards.

* Gross value. The user data rate that can actually be achieved is somewhat below the specified values.

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