Devolo dLAN 550 WiFi

Devolo dLAN 550 WiFi Powerline Adapter Starter Kit User Manual

Model: dLAN 550 WiFi

INTRODUCTION

Welcome to the user manual for your Devolo dLAN 550 WiFi Powerline Adapter Starter Kit. This kit allows you to extend your internet connection throughout your home using your existing electrical wiring, providing both wired (LAN) and wireless (WiFi) connectivity. Please read these instructions carefully to ensure proper installation and operation of your device.

SAFETY INSTRUCTIONS

- Always connect the adapters directly to a wall outlet. Do not use power strips or extension cords, as this may interfere with performance.
- Do not open the device casing. There are no user-serviceable parts inside.
- Keep the device away from water, moisture, and extreme temperatures.
- Ensure adequate ventilation around the adapters to prevent overheating.
- If you need to integrate the device into an existing dLAN network, follow the specific steps outlined in this manual.

PACKAGE CONTENTS

The Devolo dLAN 550 WiFi Powerline Adapter Starter Kit typically includes:

- One (1) Devolo dLAN 550 WiFi Adapter
- One (1) Devolo dLAN 550 duo+ Adapter (or similar non-WiFi adapter)
- One (1) Ethernet cable (LAN cable)
- Quick installation guide

Image: Contents of the Devolo dLAN 550 WiFi Starter Kit, including two powerline adapters and an Ethernet cable, as shown on the product packaging.

SETUP

1. Initial Setup

1. **Connect the first adapter:** Plug one Devolo dLAN adapter (the one without WiFi, or the base unit) directly into a wall outlet near your internet router.

2. **Connect to router:** Use the provided Ethernet cable to connect this adapter to an available LAN port on your internet router.

3. **Connect the second adapter:** Plug the Devolo dLAN 550 WiFi adapter into a wall outlet in the room where you need WiFi or a wired connection.

4. **Wait for connection:** The adapters will automatically establish a connection. The Powerline LED on both adapters should light up continuously.
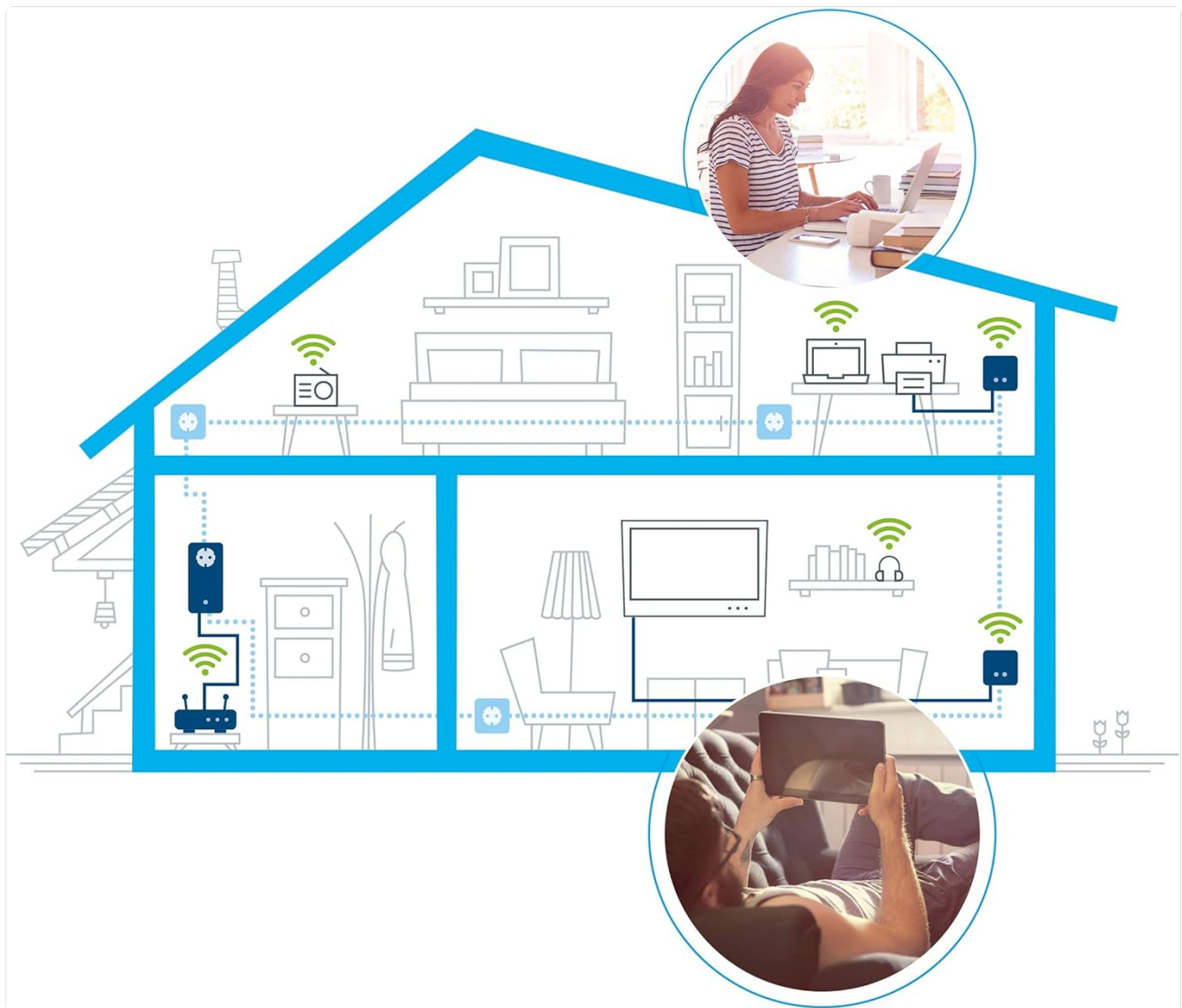
Image: An illustration demonstrating how Devolo dLAN Powerline adapters create a home network, extending internet access to various rooms via electrical outlets.

2. Pairing Additional Adapters (if applicable)

If you are adding new dLAN adapters to an existing Devolo dLAN network, or if the adapters do not connect automatically:

1. Plug the new dLAN adapter into a wall outlet.

2. Within 2 minutes, press the encryption button (usually a house icon or a button labeled "dLAN" or "Pair") on one of your existing dLAN adapters for 1 second.

3. Then, within 2 minutes, press the encryption button on the new dLAN adapter for 1 second.

4. The adapters will pair and establish a secure connection. The Powerline LED should light up continuously.

Image: Close-up of the Devolo dLAN 550 WiFi adapter, highlighting the pairing button (house icon) and the WiFi button.

3. WiFi Configuration

The dLAN 550 WiFi adapter creates a new WiFi network. You can find the default WiFi network name (SSID) and password on the back of the adapter or on the included information card.

- **Connect via WPS:** Press the WPS button (often combined with the WiFi button) on the dLAN 550 WiFi adapter for 1 second. Then, within 2 minutes, press the WPS button on your WiFi device (e.g., smartphone, laptop) or router. The devices will connect automatically.
- **Manual Connection:** On your WiFi-enabled device, search for available WiFi networks. Select the SSID of your Devolo dLAN 550 WiFi adapter and enter the password.
- **Cloning WiFi (Optional):** To use your existing router's WiFi name and password, refer to the Devolo Cockpit software or the detailed online manual for WiFi Clone functionality.

OPERATING

LED Indicators

LED Icon	Status	Meaning
Powerline (House icon)	On (continuous)	Powerline connection established.
Powerline (House icon)	Flashing	Pairing mode active or data transfer.
Powerline (House icon)	Off	No powerline connection or device is off.
WiFi (WiFi icon)	On (continuous)	WiFi network active.
WiFi (WiFi icon)	Flashing	WPS pairing active.
WiFi (WiFi icon)	Off	WiFi network is disabled.

Network Configuration

For advanced settings, such as changing the WiFi name (SSID), password, or managing your dLAN network, you can use the Devolo Cockpit software. This software is available for Windows, macOS, and Linux, and also as a mobile app for Android and iOS.

- **Download Devolo Cockpit:** Visit the official Devolo website to download the latest version of the software for your operating system.
- **Accessing the interface:** Once installed, the software will detect your Devolo adapters and allow you to configure them.

MAINTENANCE

- **Cleaning:** Disconnect the adapter from the power outlet before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid or aerosol cleaners.
- **Firmware Updates:** Devolo regularly releases firmware updates to improve performance and security. Use the Devolo Cockpit software to check for and install available updates. Keeping your firmware updated ensures optimal performance and compatibility.

TROUBLESHOOTING

Common Issues and Solutions

- **No Powerline Connection (House LED off):**
    - Ensure both adapters are plugged directly into wall outlets, not power strips.
    - Try plugging the adapters into different outlets.
    - Ensure the distance between adapters is within the maximum operating range (up to 400m).
    - Perform a pairing process as described in the "Pairing Additional Adapters" section.

- **Slow Connection Speed:**
    - Avoid plugging adapters into outlets on different electrical phases if possible.
    - Remove any electrical devices that might cause interference (e.g., dimmers, motors) from nearby outlets.
    - Ensure the electrical wiring in your home is in good condition.
    - Update the adapter firmware using Devolo Cockpit.

- **No WiFi Signal (WiFi LED off):**
    - Press the WiFi button on the adapter to ensure WiFi is enabled.
    - Check WiFi settings via Devolo Cockpit.

- **Compatibility Issues:**

    The Devolo dLAN 550 WiFi adapters are compatible with all adapters from the Devolo dLAN series. However, they are **not supported** with Devolo Magic series adapters.

Kompatibilität

Kompatibel mit allen Adaptern der devolo dLAN-Reihe. devolo Adapter der Magic-Reihe werden nicht unterstützt.

| dLAN Adapter | dLAN Mini Adapter | MAGIC Adapter | dLAN Adapter |

Image: A diagram illustrating compatibility. Devolo dLAN adapters are compatible with other dLAN and dLAN Mini adapters (indicated by a green checkmark), but not with Devolo Magic adapters (indicated by a red cross).

Resetting the Adapter

If you encounter persistent issues, you can reset the adapter to its factory default settings.

1. With the adapter plugged into a wall outlet, locate the reset button (often a small pinhole or combined with the pairing button).

2. Press and hold the reset button for approximately 10-15 seconds until the LEDs flash or change color.

3. Release the button. The adapter will restart with factory settings. You will need to reconfigure it.

SPECIFICATIONS

Brand	Devolo
Model Number	4.25006E+12 (dLAN 550 WiFi)
Data Transfer Rate (Powerline)	Up to 500 Mbit/s
Data Transfer Rate (WLAN)	Up to 200 Mbit/s (IEEE 802.11n)
Ethernet LAN Ports	1 (Fast Ethernet: 10, 100 Mbit/s)
Security Algorithms	128-bit AES, WPA, WPA2, WPS-PBC, WPS-PIN
Maximum Operating Distance	400 m
Power Consumption (Operation)	4.4 W
Power Consumption (Standby)	1 W

AC Input Voltage	196-250 V
AC Input Frequency	50 Hz
Operating Temperature	0 - 40 °C
Dimensions (W x D x H)	68 mm x 68 mm x 41 mm
Color	White
Supported Operating Systems	Windows 7, Windows 8, Windows 10, Mac OS X 10.10 Yosemite, Android, iOS
Network Standards	IEEE 1901, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.1p, IEEE 802.3, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Devolo website.
If you require technical support, please visit the Devolo support portal on their official website. You can find FAQs, driver downloads, and contact information for customer service there.

- Devolo Support Website