

Devolo Magic 2 LAN Dinrail Powerline Adapter User Manual

Model: 8528

PRODUCT OVERVIEW

The Devolo Magic 2 LAN Dinrail is a powerline adapter designed for integration into electrical distribution boxes, adhering to the DIN standard. This device transforms your building's electrical wiring into a robust network infrastructure, allowing every power socket to potentially become a network access point. It facilitates high-speed data transmission over existing power lines, extending internet connectivity throughout your home or office without the need for new network cables.



Image: Front view of the Devolo Magic 2 LAN Dinrail Powerline Adapter, showing connection terminals, status indicators, and an Ethernet port.

SETUP INSTRUCTIONS

Installation of the Devolo Magic 2 LAN Dinrail requires professional electrical installation within a distribution box. It is designed to be mounted on a DIN rail.

1. **Professional Installation:** Ensure the device is installed by a qualified electrician into a standard DIN distribution box. The device connects directly to the electrical mains (N, L1, L2, L3, PE terminals).
2. **Network Connection:** Once electrically installed, connect your network router or another Devolo Magic adapter to the Ethernet port on the Dinrail unit using a standard Ethernet cable.
3. **Pairing (if necessary):** For secure communication, Devolo Magic devices typically pair automatically. If pairing is required, press the pairing button on the Dinrail unit and then on another Devolo Magic adapter within two minutes. Refer to the specific instructions for your other Devolo Magic adapters.

4. **System Expansion:** Additional Devolo Magic adapters (e.g., Magic WiFi or Magic LAN adapters) can be plugged into wall sockets throughout your building to extend the network. These adapters will automatically connect to the Dinrail unit via the powerline network.



Image: The Devolo Magic 2 LAN Dinrail unit shown installed within a typical household electrical distribution box, highlighting its compact integration.



Image: A close-up view of the Devolo Magic 2 LAN Dinrail installed in a more complex electrical panel, demonstrating its connectivity with various electrical circuits.

Network Topology Example

The diagram below illustrates how the Devolo Magic 2 LAN Dinrail integrates into a home network, utilizing existing electrical wiring to provide internet access to various devices across multiple floors.

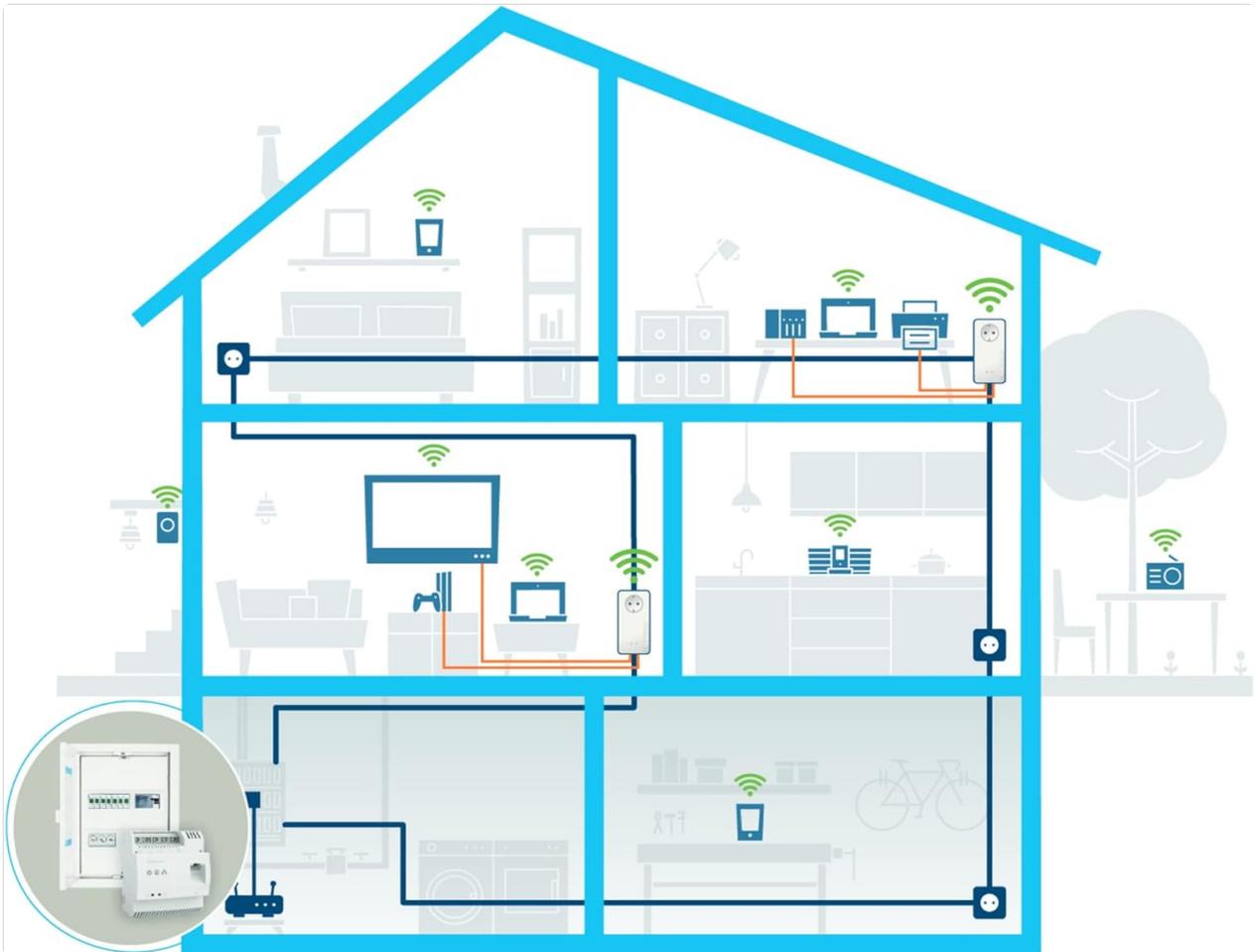


Image: A schematic diagram of a multi-story house showing the Devolo Magic DINrail connected to the main electrical panel, distributing network connectivity via power lines to various rooms and devices.

Compatibility

The Devolo Magic 2 LAN Dinrail is compatible with other Devolo Magic series adapters. It is **not compatible** with older Devolo dLAN series adapters. Ensure all your powerline adapters are from the Devolo Magic series for optimal performance and connectivity.



Image: A visual comparison illustrating that Devolo Magic DINrail adapters are compatible with other Magic adapters (indicated by a green checkmark) but not with older dLAN adapters (indicated by a red cross).

OPERATION

Once properly installed and paired, the Devolo Magic 2 LAN Dinrail operates continuously to provide network connectivity. It functions as the central hub for your powerline network.

- **Power Indicator:** The power icon (light bulb symbol) on the device indicates its power status. A solid light typically means the device is powered on and functioning.
- **Network Status Indicator:** The house icon indicates the status of the powerline network connection. A solid light usually signifies an active and healthy powerline connection.
- **Pairing/Data Indicator:** The two-arrow icon often indicates data activity or the pairing process. Flashing lights typically show data transfer, while a specific sequence might indicate pairing mode.
- **Security Indicator:** The lock icon indicates the security status of the powerline network. A solid light means the network is encrypted and secure.
- **Ethernet Port:** The integrated Ethernet port allows direct connection to a network device, such as a router or switch, providing a wired connection to the powerline network.

The device automatically manages network traffic and ensures secure data transmission over the power lines. No further user interaction is typically required after initial setup.

MAINTENANCE

The Devolo Magic 2 LAN Dinrail is designed for maintenance-free operation. Follow these general guidelines:

- **Cleaning:** Keep the device and its surrounding area clean and free from dust. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or aerosols.
- **Environment:** Ensure the device is installed in a well-ventilated area within the distribution box to prevent overheating. Avoid exposing the device to moisture or extreme temperatures.
- **No User Serviceable Parts:** The device contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Any internal issues should be addressed by a qualified technician.

TROUBLESHOOTING

If you encounter issues with your Devolo Magic 2 LAN Dinrail, consider the following troubleshooting steps:

- **No Network Connection:**
 - Verify that the Dinrail unit is properly powered on (check power indicator).
 - Ensure the Ethernet cable connecting the Dinrail to your router is securely plugged in.
 - Check the network status indicator on the Dinrail unit. If it's off or flashing irregularly, there might be an issue with the powerline connection.
 - Confirm that all other Devolo Magic adapters are powered on and within the same electrical circuit.
- **Slow Network Speed:**
 - Large electrical appliances (e.g., washing machines, refrigerators, microwaves) operating on the same circuit can interfere with powerline performance. Try temporarily switching off such appliances to see if performance improves.

- Avoid plugging other powerline adapters into power strips or surge protectors, as this can degrade performance. Plug them directly into wall outlets.
 - Ensure all Devolo Magic adapters are updated to the latest firmware.
- **Pairing Issues:**
 - If new adapters are not connecting, initiate the pairing process again. Press the pairing button on the Dinrail unit, then on the new adapter within two minutes.
 - Confirm that all adapters are Devolo Magic series. As shown in the compatibility section, dLAN adapters are not compatible.
 - **Resetting the Device:** If issues persist, a factory reset might be necessary. Consult the full Devolo Magic manual or Devolo support for specific reset procedures, as this often involves pressing and holding the pairing button for an extended period.

For advanced troubleshooting or persistent issues, contact Devolo customer support or consult their official website for detailed guides and FAQs.

TECHNICAL SPECIFICATIONS

Model Number	8528
Product Dimensions	2.6 x 3.54 x 2.87 inches (6.6 x 9.0 x 7.3 cm)
Item Weight	7.9 ounces (225 grams)
Brand	devolo
Manufacturer	DEVOLO
Hardware Interface	Ethernet, Powerline
Data Link Protocol	Ethernet
Data Transfer Rate	Up to 2400 Megabits Per Second (Mbps)
Compatible Devices	Desktop computers, network routers, other Devolo Magic adapters
Color	White
First Available Date	March 4, 2022

WARRANTY AND SUPPORT

Specific warranty details for the Devolo Magic 2 LAN Dinrail (Model 8528) are not provided in the product data. For comprehensive warranty information, including terms, conditions, and duration, please refer to the official Devolo website or contact Devolo customer support directly.

For technical assistance, product inquiries, or to report issues, please visit the official Devolo support portal or contact their customer service department. Contact information can typically be found on the Devolo website.

- **Online Support:** [Visit Devolo Support](#)
- **Product Registration:** Register your product on the Devolo website to receive updates and support.

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