

New “Mesh WiFi 2” kits for fast Internet throughout the home

February 2021 - Networking specialist devolo is putting an end to weak Wi-Fi with its new Mesh WiFi 2-kits. This is made possible thanks to the innovative combinations of mesh Wi-Fi and G.hn technology as the backbone that routes the signal through walls and ceilings. Utilising features such as multi-user MIMO to deliver fast Wi-Fi to any room with Access Point Steering and beamforming, the system automatically brings all end devices into the network at top speed.

The topics of this press release:

- **Switch off your WiFi. Turn Mesh WiFi on!**
- **Mesh Wi-Fi with Autopilot: Access Point Steering**
- **More fun for everyone: MU-MIMO**
- **Prices and availability**

Switch off your WiFi. Turn Mesh WiFi on!

The new Mesh WiFi 2 product line brings state-of-the-art Wi-Fi technology into your home. The plug in and play user experience means that once plugged in, the adapters automatically connect via auto-pairing and instantly turn any power socket into an Internet access point.

The new devolo Mesh WiFi 2 kits consist of two or three mesh Wi-Fi adapters (Starter Kit and Whole Home Kit) that provide comprehensive network coverage throughout the home. Therefore, the router's Wi-Fi function can be switched off. This is good news for users of older routers as they don't have to replace their device with a new and expensive Internet router to benefit from the latest mesh functions.

Instead, the Mesh WiFi 2 system handles all the wireless data transmission, giving the home network a significant upgrade. The tri-band system transmits in the frequency bands of 2.4 and 5 GHz and also uses G.hn (which is currently the fastest Powerline standard) as the backbone – for stable data transfer via the mains supply in the home.

In addition, the wireless home network is highly secure thanks to WPA3. The current security standard of the WiFi Alliance is based on the WPA2 protocol and thanks to improved 128-bit encryption, offers strong protection against unwanted access. This also requires that the WiFi clients support WPA3 encryption. For all other end devices, WPA2 protection is still available.

Mesh Wi-Fi with Autopilot: Access Point Steering

Mesh Wi-Fi represents a networked Wi-Fi environment with smart control. The devolo system deliberately guides end devices to hotspots with best possible connection for the specific device (Access Point Steering). The playback of streamed videos and video chats remains stable even while you walk from room to room.

The reason conventional Wi-Fi performs comparatively poorly to Mesh Wi-Fi when users walk around the home is because end devices usually remain connected to a single hotspot. This can quickly become a problem with smartphones, tablets or laptops ("sticky clients"). In contrast, the smart mesh Wi-Fi from devolo uses "Access Point Steering" to automatically switch end devices over to the specific Wi-Fi access point with the strongest signal. This ensures that the connection is always optimised.

This feature is just one of many mesh tools that helps to bring an end to poor Wi-Fi signals. On their part, end devices can change hotspots faster due to "Fast Roaming" (Client Steering). By using beamforming, the devolo Access Points can transmit data to end devices with even greater precision, thereby optimising connection quality. Another feature known as "Band Steering" is, in a sense, the air traffic controller in devolo's Mesh WiFi series. It ensures that receivers always use the optimal frequency band. Whenever the 2.4 GHz band starts to get too bogged down with traffic, the system automatically switches to the 5 GHz band. The Mesh package is rounded out by "Airtime Fairness". This provides even more support for network performance by fairly allocating the maximum connection time that is available for use by all end devices.

More fun for everyone: MU-MIMO

Thanks to "multi-user, multiple input, multiple output" technology (MU-MIMO), multiple end devices are simultaneously provided with optimal Wi-Fi connections. MU-MIMO means multiple activities at once. You can stream your favourite TV series in the living room in smooth 8K resolution while your children game online and that important video conference in the home office is held without a single interruption.

Prices and availability

The devolo Mesh WiFi 2 is now available in two different variants: The Starter Kit contains two adapters at a price of £199.99 inc. VAT. For coverage of larger living spaces, the devolo Mesh WiFi 2 Whole Home Kit offers three adapters at a price of £299.99 inc. VAT. There is also the option to expand the network with additional Magic 2 WiFi Next Add-on adapters. The devices are fully compatible with products from the devolo Magic series and all routers. devolo provides a 3-year manufacturer's warranty on all products. The devolo Home Network app is available at no charge for iOS and Android. It guides the user step-by-step through the set-up process and, after initial start-up, makes home network management a breeze. This makes state-of-the-art technology accessible – even to users who have little to no experience in working with network technology.

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This text and current product images can also be found at www.devolo.co.uk in the media section of the devolo website.

About devolo

devolo enables smart connectivity and inspires consumers as well as businesses to embrace the opportunities of our digital world. devolo home networking solutions bring high-speed Internet and perfect mesh Wi-Fi to any corner of the home – via the existing electrical wiring. Additionally, in the professional sector, devolo makes the vision of the comprehensively networked Internet of Things a reality. Whether in industry projects or in the changing energy sector: wherever highly secure, high-performance data communication is required, partners count on devolo. The company was founded in 2002 and is represented in 19 countries with its own subsidiaries and partners.