



# Information for retailers and customers

devolo's offer for various HomePlug standards and bandwidths

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## HomePlug standards

HomePlug is a networking standard for transferring data via the available electrical wiring in the building (so-called "in-house powerline communication"). The standard was developed by the HomePlug-Alliance, which includes leading companies such as Sony, Motorola, Samsung, LG and Intel among others. Version 1.0 primarily applies to data and audio transfer. These devices offer maximum speed of 14 Mbps within a range of approximately 200m of an electric circuit. For modern uses with large volumes of data, this bandwidth comes nowhere to dealing with this capacity. For this reason a new standard has been set.



The HomePlug AV standard is a further development of the HomePlug 1.0 standard and offers a data transfer rate of up to 200 Mbps. The benefits of this high speed are leading to completely new applications, an example of which is "Triple Play". This covers the simultaneous use of data lines for fast internet, as well as internet TV (IPTV, HD quality), video on demand and VoIP telephony.

## What devolo offers for the consumer

Since 2003 devolo has been offering solutions that facilitate data transfer via the electrical wiring in a building and meet HomePlug standards. Examples include dLAN duo and dLAN Audio extender. With dLAN Highspeed Ethernet and dLAN Wireless extender, devolo has built the bridge to the next standard, because the data transfer rate of this device has risen to 85 Mbps.





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Since 2006 devolo has been supporting the new HomePlug AV standard with the dLAN 200 AV series and has, thereby, facilitated the applications described above. In doing so, the "quality of service" function carries out an automatic prioritisation of language and video data. This allows undisturbed real-time use when various applications are being used simultaneously on the same network.



#### How do the various systems work together?

Devices that meet HomePlug 1.0 and HomePlug AV standards can be operated jointly via the same electrical wiring. A direct exchange of data, however, is not possible due to the technical specifications of the HomePlug AV standard. To exchange audio-visual files or data between two networks that operate under different standards, it is sufficient to place a HomePlug 1.0 and a HomePlug AV device beside each other in adjacent sockets and to connect the two using an Ethernet cable. Data from the HomePlug 1.0 network can be transferred to the HomePlug AV network and vice versa via this "bridge".

#### devolo for the business user

Since 2007 devolo has been offering solutions for business customers. These devices allow not only the data transfer via the electrical wiring of a building but also integrate the available coaxial network. Therefore, the advantages of different networks can be combined. The solutions are suitable, in particular, for use in the public sector and tertiary sectors such as schools and nursing homes, hospitals, doctors' surgeries, lawyers' offices or hotels. devolo products for the business sector are easily recognisable by the black colour of their boxes.

Our employees will gladly assist you with any further questions you may have.

#### Appendix: Overview of devolo products

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Overview of devolo products according to the respective HomePlug standards

HomePlug 1.0 via the electrical wiring	HomePlug AV via the electrical wiring	HomePlug AV via the electrical wiring/coaxial network
<p><b>dLAN duo</b></p> 	<p><b>dLAN 200 AVeasy</b></p> 	<p><b>dLAN 200 AVpro2</b></p> 
<p><b>dLAN Highspeed</b></p> 	<p><b>dLAN 200 AV Wireless G</b></p> 	<p><b>dLAN 200 AVpro2 i</b></p> 
<p><b>dLAN Wireless extender</b></p> 	<p><b>dLAN 200 AVplus</b></p> 	<p><b>dLAN 200 AVpro host</b></p> 
<p><b>dLAN Audio extender</b></p> 		

The colours of our devices indicate the respective HomePlug standards: blue = HomePlug 1.0, white = HomePlug AV, black = HomePlug AV plus coaxial network.