

POWERLINE BRIDGE

PLA-BRIDGE-S

Art.nr. 900-100

The Powerline Bridge is used to create an ethernet connection point in a room. A bridge is placed next to an internet modem and the other bridges are placed in the rooms you need to connect. The units are linked by pressing the 'link button' for three seconds.



Connecting with quality!

Technetix G.hn Powerline Bridge

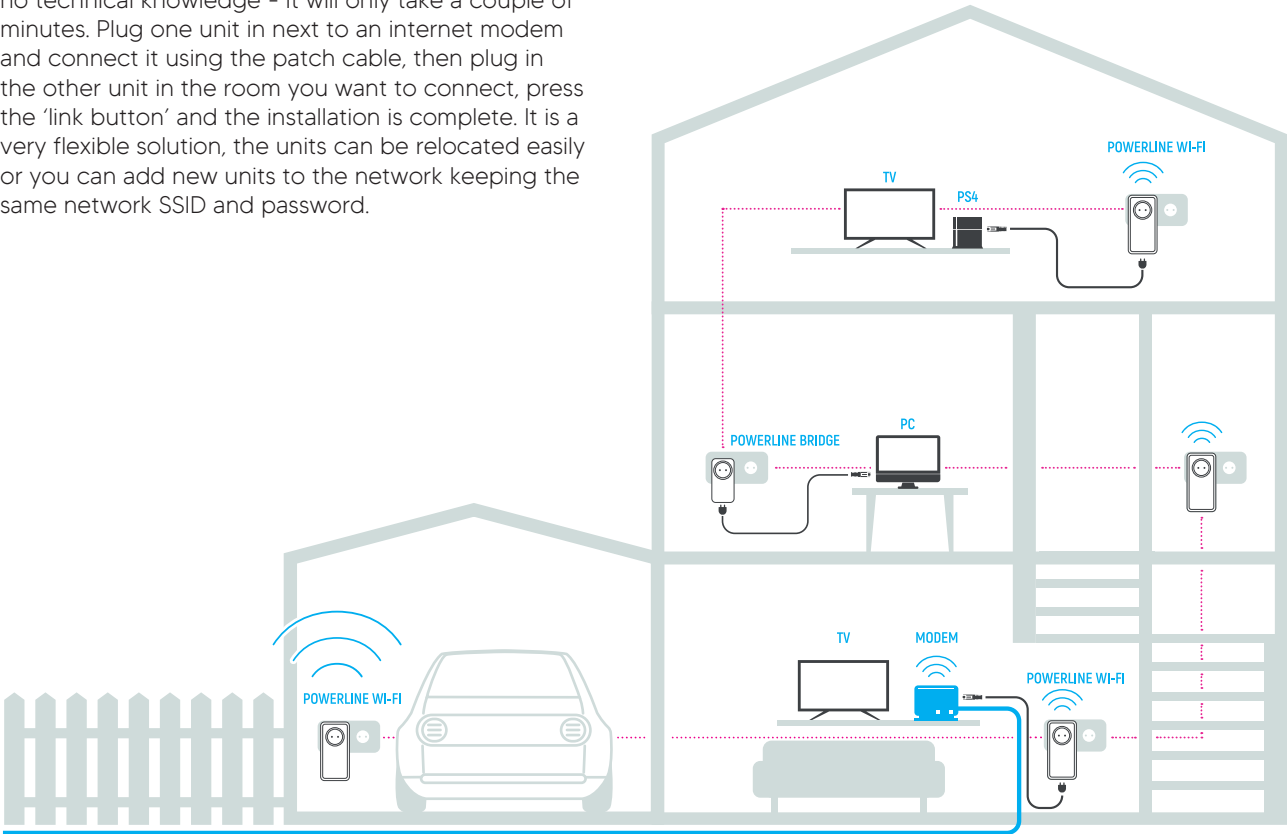
Introduction

In recent years Wi-Fi has become an essential part of the in-home network, with decent Wi-Fi coverage a high priority for most people. It is not always easy to get a high quality Wi-Fi signal in all areas of the home without putting ethernet cabling and access points in place.

Powerline technology enables you to establish an ethernet connection over existing mains electrical wiring. This ethernet connection can be used to connect a TV or PC and will also feed a Wi-Fi access point.

The Powerline products have been upgraded to G.hn, a new standard which allows for physical layer rates in excess of 1 Gbps and are much more stable than previous HomePlug approved products.

This solution is extremely easy to install and requires no technical knowledge - it will only take a couple of minutes. Plug one unit in next to an internet modem and connect it using the patch cable, then plug in the other unit in the room you want to connect, press the 'link button' and the installation is complete. It is a very flexible solution, the units can be relocated easily or you can add new units to the network keeping the same network SSID and password.



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Specifications

Item	Description
Product type	G.hn powerline ethernet adapter
RJ-45 port	1 GbE port
Power-line communication PHY rate	1 Gbps
Frequency band	2 MHz to 50 MHz
Access methods	CSMA/CA and TDMA
Modulation	4096/1024/512/256/128/64/32/16/ 8-QAM, QPSK, BPSK
Powerline feature	ITU-T recommendation G. 9960 - physical layer ITU-T recommendation G. 9961 - data link layer ITU-T recommendation G. 9962 - management specification ITU-T recommendation G. 9963 - MIMO ITU-T recommendation G. 9964 - power spectral density
Distance	AC wire: up to 300 metres
Computer OS	OS independent
Maximum number of units in a network group	16 (in the same single-phase powerline loop)
IGMP	Support for IPv4/IGMP v1, v2 and v3 snooping IPv6 transparent (not including multicast)
Encryption	128-bit AES link encryption with key management
LAN standards	1000/100/10 base-TX
Temperature	Ambient operating -10° C to 40° C; storage: -20° C to 60° C
Relative humidity	Operating: 10% - 85% (non-condensing) Storage: 5% - 90% (non-condensing)
Power source	AC 100 V-240 V, 50 Hz/60 Hz
AC pass-through	Yes

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