

DVB-S Streaming Solution via Powerline

TARA Systems



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At IBC 2009, TARA Systems, Albis Technologies and devolo showcase the problem solver for DVB reception in rooms without appropriate cable infrastructure: via powerline, TV signals can be delivered anywhere in the house.

Whenever DVB-S reception is required in rooms without appropriate cable infrastructure, streaming with devolo's dLAN® TV Sat tuner via powerline is the comfortable solution. Imagine a family home, where TV signals should be delivered into the guestroom, children's room or home office without the effort of knocking holes and laying additional cables. The devolo tuner is simply placed near the DVB-S antenna, is connected to the powerline and instantly makes TV signals available on every power outlet in the house. Likewise, the devolo tuner can be used in small office buildings and companies. Up to two dLAN® TV Sat tuners can be connected to powerline (or ethernet) network, enabling streaming of up to two HD channels into the network.

For powerline transmission from the tuner to an IP-Box, the TV streams are encapsulated using the Internet Protocol (IP). Similar, user inputs from remote control are sent from the IP-Box to the tuner via the same way. Furthermore, when IP-Boxes are connected to the powerline network, they can easily be supplied with Internet access using e.g. a DSL router and an additional devolo powerline modem. Also the direct connection of devolo tuner and IP-Box via existing ethernet cable is possible.

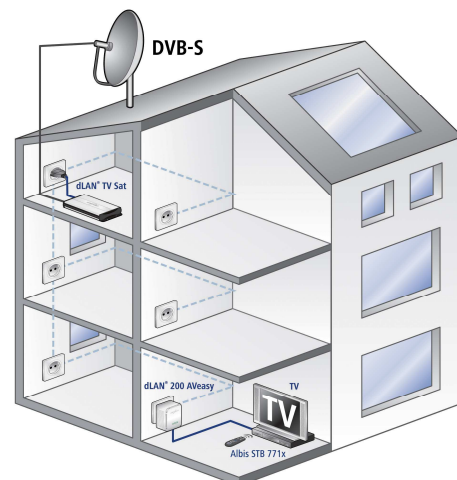
To receive the streamed content, the IP-Box STB 771x from Albis Technologies is well-suited, as shown in this proof-of-concept (POC) on occasion of the IBC 2009 trade fair at Albis Technologies' booth. Without the need for a TV tuner, the IP-Box is very cost-effective, but nonetheless enables a perfect display quality (HDMI) and is prepared for a wide range of applications including TV reception and personal video recording (PVR), HTML Browser, UPnP connectivity and more. The IP-Box is currently delivered without CI slot for decryption, which is still quite acceptable,

considering the large number of free-to-air programmes and their manifold TV content. The upcoming next generation from Albis Technologies will include a CI slot.

For TV reception and video recording, the STB 771x is running the TVolution DVB Turnkey software from TARA Systems. The flexible TVolution software includes extended EPG, Teletext L1.5/2.5 and DVB Subtitles, and is suited for DVB-S/S2/T/C, as well as external tuners like the dLAN® TV Sat tuner. With the combination of devolo's tuner, Albis Technologies' IP-Box and TARA's TVolution DVB Turnkey Solution, a real problem solver for DVB streaming via powerline is available.

Further Information

- devolo: IBC at booth IP311
www.devolo.com
- Albis Technologies: IBC at booth IP612
www.albistechnologies.com
- TARA Systems:
www.tara-systems.de



The devolo dLAN® TV Sat tuner streams DVB-S/S2 via powerline to the STB 771x IP-Box (Image: devolo)

„Excellence in Embedded CE Software“

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