

PowerHDLINK™

H.264 HD A/V Streaming over Power Lines



Introduction

A+V Link PowerHDLINK™ products allow you to transmit HD Video anywhere in your home using existing Power lines, saving you the hassles of rewiring. This system consists of a receiver and a transmitter that deliver H.264 HD video and audio from Set Top Boxes, Blu-ray™ disc players, video game consoles (etc.) to compatible HDTV displays located near power outlets. The PowerHDLINK™ Receiver is easily connected to your HDTV via an HDMI™ cable while your A/V equipment is connected directly to the transmitter.

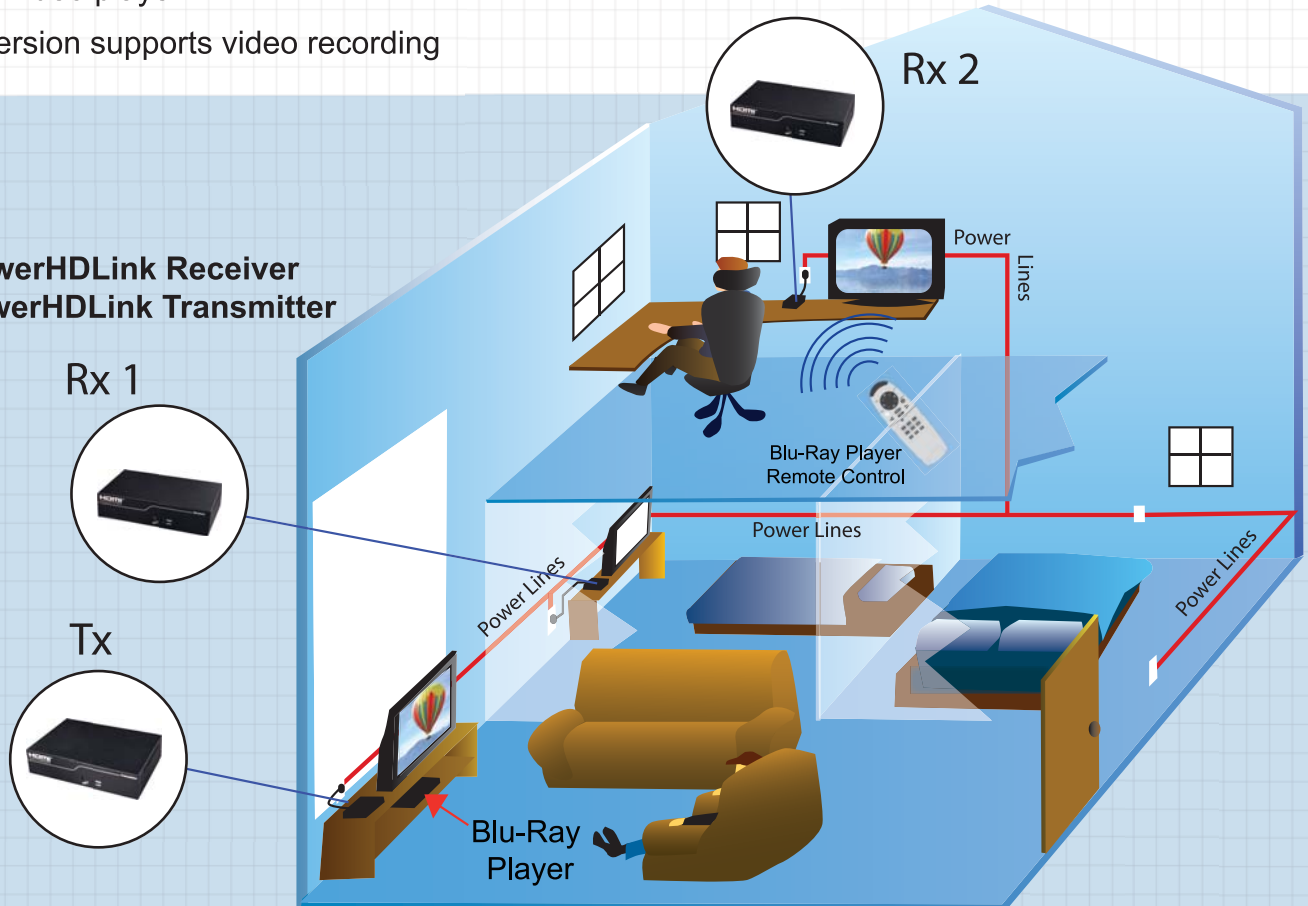
More Features -

- One Tx works with multiple Rxs simultaneously
- Supports video source remote control
- Back channel to support remote IR control for original video player
- PVR Version supports video recording

Features -

- H.264 compression technology
- Incorporates HDMI™ technology
- Supports up to 1920 x 1080 @60i/50i/23.98p/24p resolution
- Incorporates HomePlug-AV PLC technology with 200 Mbps PHY rate
- Supports optimal QoS for video streaming

Rx = PowerHDLINK Receiver
Tx = PowerHDLINK Transmitter



Application Streaming HD from A/V source to HDTV anywhere in your home without rewiring

Lite Transmitter



Lite Receiver



Lite Receiver (PVR version)



Transmitter & Receiver Video Resolution

- 1920x1080@59.94i/60i/50i
- 1920x1080@23.98p/24p
- 1280x720@59.94p/60p/50p
- 720x576@50p/50i
- 720x480@59.94p/60p/59.94i

Transmitter & Receiver Audio

- Resolution: 16 bits
- Sampling rate: 44.1k, 48 kHz

System

- Video Compression is H.264 Level 4
- Audio Compression is MP2
- Incorporates HDMI™ and HDCP technologies
- Transmission PLC supports HomePlug-AV up to 200 Mbps
- Transmission distance is up to 200 feet for normal applications
- Video streaming supports one TX to multiple Rx's
- QoS is proprietary network bandwidth management
- Supports PVR functions (PVR version only)

Other

- Power input supports 100 to 240V AC with 50/60 Hz
- System power consumption for Tx is around 12W and 9W for Rx in normal operation
- Operating temperatures are from 0 to 40 degrees C
- Storage temperatures are from -20 to 80 degrees C

Simple Transmitter



Simple Receiver



Deluxe Transmitter



Deluxe Receiver



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Ordering Information

Product Name	Model number	PLC Bridge	HDMI Input	HDMI Output	Component Input	CVBS Input	CVBS Output	USB port
Lite version TX	AVM-6985H-SYS-A2		1	1				
Lite version RX	AVM-6986H-SYS-A2			1				
Deluxe version TX	AVM-6985H-SYS-A3	Yes	3	1				
Deluxe version RX	AVM-6986H-SYS-A3	Yes		1				
Simple version TX	AVM-6985H-SYS-B4		1	1	1	1		
Simple version RX	AVM-6986H-SYS-B4			1			1	
PVR version RX	AVM-6986H-SYS-A5			1				1

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