

# PowerHDLINK™

H.264 HD A/V Streaming over Power Lines



## Introduction

A+V Link PowerHDLINK™ modules allow you to transmit HD Video anywhere in your home using existing Power or Ethernet 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 or Ethernet access. The PowerHDLINK™ Receiver is easily connected to your HDTV via an HDMI™ cable while your A/V equipment is connected directly to the transmitter.

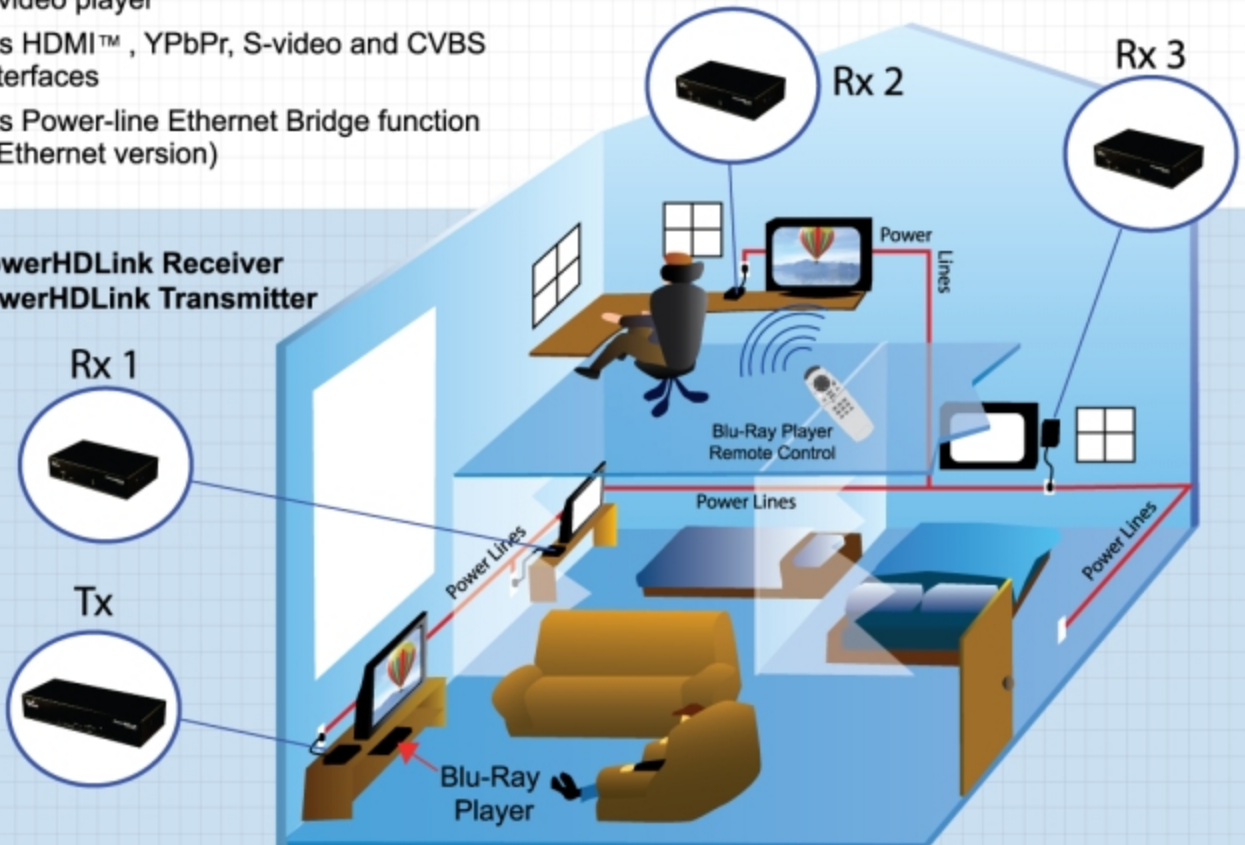
### Features -

- 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

### 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
- Supports HDMI™, YPbPr, S-video and CVBS video interfaces
- Supports Power-line Ethernet Bridge function (not for Ethernet version)

Rx = PowerHDLINK Receiver  
Tx = PowerHDLINK Transmitter



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


**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: 48 kHz

**Transmitter Input/Output**

- AC Power connector x 1
- HDMI Input Connector x 3
- HDMI Output Connector x 1
- IR Blaster x 3 (Terminal)
- YPbPr x1, S-Video x1, CVBS x1, RCA Stereo Audio x2 (not for Deluxe version)
- Ethernet RJ-45 port x1

**Receiver Input/Output**

- AC Power connector x 1
- HDMI output connector x 1
- IR Sensor x 2 (for different carriers)
- YPbPr x1, CVBS x1, RCA Stereo Audio x1 (not for Deluxe version)
- Ethernet RJ-45 port x1

**Other**

- Power input supports 100 to 240V AC with 50/60 Hz
- System power consumption for Tx is around 12W and 8W for Rx in normal operation
- Operating temperatures are from 10 to 50 degrees C
- Storage temperatures are from -20 to 80 degrees C

**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 300 feet for normal applications
- Video streaming supports one TX to multiple Rxs
- QoS is proprietary network bandwidth management
- Supports Power line Ethernet Bridge function (not for Ethernet version)

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Product type	Tx model number	Rx model number	PLC Bridge	Max. Rx	HDMI™ only
<b>Full version</b>	AVM-6985H-SYS-A1	AVM-6986H-SYS-A1	Yes	4	No
<b>Deluxe version</b>	AVM-6985H-SYS-A3	AVM-6986H-SYS-A3	Yes	4	Yes
<b>Ethernet version</b>	AVM-6995H-SYS-A1	AVM-6996H-SYS-A1	No	255	No

Note: Max. Rx number depends on network bandwidth

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