

Powerline Audio



PL/A/B

- ❖ Internet Radio on the Hi-Fi stereo system
 - ❖ Multi-Room Audio System over Powerline
 - ❖ Supports SonicIP technology
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System Features

- Plug and Play Internet Radio on your Hi-Fi stereo system
- Stream audio to any room of your home over powerline
- Play the same music in multi-room from outlet to outlet
- Play different music in each room without wiring expense
- Stereo MP3 streaming at 192Kbps
- Up to eight audio channels playing at the same time
- Up to 14Mbps data rate on powerline networking
- 56-bits DES link encryption for powerline
- Supports SonicIP technology
- Supports High Quality Optical Input and Output (S/PDIF)
- Supports audio over powerline and audio over Ethernet
- Build multi-room audio without computer from outlet to outlet.
No drilling! No additional cables
- Stream the same synchronized music to multiple audio player, allowing the same music to play in the entire house

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Specifications

Standard <ul style="list-style-type: none"> IEEE 802.3 / 802.3u, HomePlug 1.0 specification
Port <ul style="list-style-type: none"> 10/100 Mbps Ethernet, RJ45 1 set for Audio Output for Optical/ RCA 1 set for Audio Input for Optical/ RCA 1 Select button 1 Power socket
Security <ul style="list-style-type: none"> 56 bits DES encryption
Modulation <ul style="list-style-type: none"> OFDM, DQPSK, DBPSK, ROBO Carrier Modulation Support
Audio Features <p>Powerline Audio device as an audio source</p> <ul style="list-style-type: none"> Support 8 separate audio channels Supports RCA Line In (Audio Analogue interface) Supports Optical Input (Audio S/PDIF Interface) Controls remote device, volume, mute, balance and equalization <p>Powerline Audio device as an audio player</p> <ul style="list-style-type: none"> Support 8 separate audio channels Supports RCA Line Out (Audio Analogue interface) Supports Optical Output (Audio S/PDIF Interface) Controls volume, mute, balance and equalization
Analog Outputs: <ul style="list-style-type: none"> Maximum output; 3.2Vpp @ .5mA maximum Frequency response; 10Hz - 20kHz +/- .2dB Dynamic range : 91dB (A) Inter-channel isolation (crosstalk) : 94dB Signal to noise : 90dB (A-weighted) Total harmonic distortion + noise (THD+N) : -83db (~ .007%) Analog line output impedance : >3200 ohms Maximum output load : >300 ohms Maximum output load capacitance : <100 pF
DAC Resolution <ul style="list-style-type: none"> 24 bits, delta-sigma
D/A Sampling Rates <ul style="list-style-type: none"> 8kHz, 11.025kHz, 12kHz, 16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz
Frequency Band <ul style="list-style-type: none"> 4.3 Mhz to 20.9 Mhz

Data Rate <ul style="list-style-type: none"> Up to 14 Mbps
Volume Control <ul style="list-style-type: none"> Variable from -96dB to 0dB
Supported Audio Encoding Standards <ul style="list-style-type: none"> MP3, MPEG1, MPEG2 and MPEG 2.5 layer III
Metadata Recognition <ul style="list-style-type: none"> MP3 tags (id3v1 and id3v2)
Physical Characteristics <ul style="list-style-type: none"> Operating temperature 40°~ 105°F (5°C ~ 40 °C)
PC Music Server <ul style="list-style-type: none"> Windows XP™ or Windows 2000™ 25 MB free disk space (up to 75 MB during installation)
Temperature <ul style="list-style-type: none"> Storage Temperature: -20°C~70°C Operating Temperature: 0° C ~40° C
Humidity <ul style="list-style-type: none"> Storage Humidity: 5%~95% R/H (max). Operating Humidity: 10%~90% R/H (max)
Regulatory Approvals <ul style="list-style-type: none"> FCC, CE, LVD

Application:

