

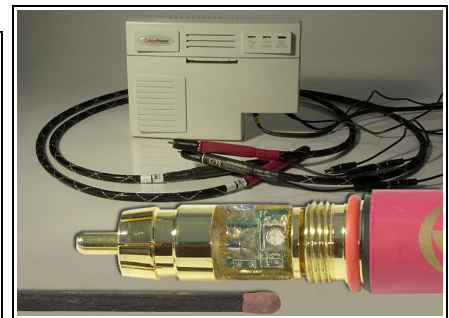
HARMONICTM
TECHNOLOGY

CYBERLight P2A and WAVE

LAM (Light Analog Module)

Photon Transducer Interconnect

Optimized for Preamp-to-Amplifier Connections



As 2-channel, multichannel music and surround systems reach ever greater resolutions, selecting the best interconnect becomes one of the most important and complex decisions the enthusiast can make. Jim Wang, president of Harmonic Technology, has come up with an entirely new way of "looking" at music signal transmission by adapting latest-technology telecom methods and materials to audiophile needs. **Blue-jacketed CyberLight P2A analog interconnects** makes use of miniaturized patent-pending LAM (Light Analog Module) laser-based Photon Transducers to convert electrons to photons -- laser light -- and back again. The photon density modulated optical information travels across a high-quality audio-grade fiberglass link between transducer modules so small they fit right into the cable's connector. They're powered by either a "wall-wart" AC remote power supply ("power adapter"), or a Cyber Power Pack II Battery/Charger that delivers a smooth, stable 12V DC for truly phenomenal results.

Leggere di seguito per conoscere la tecnologia degli Harmonic CyberLight

- [LAM \(Light Analog Module\) Photon Transducer Light Signal](#)
- [CyberLight Total Impedance Control for P2A Preamp-to-Amp Link](#)
- [Cyber Power Pack II Battery/Charger For Total Isolation and Best Sound](#)
- [Breaks Ground Between Components](#)
- [Bandwidth 5Hz to a Full 30MHz](#)
- [Photon Signals Immune From Effects of RFI/EMI](#)
- [Photon Signals Never Act Like Antenna](#)

- [High Quality XLR or RCA Terminations](#)
- [Long Runs of up to 200m With No Signal Loss](#)
- [Super Flexible & Easy to Install](#)
- [Sound at the Speed of Light](#)
- [CyberLight Wave Product Reviewers](#)
- [CyberLight Connection Table](#)
- [CyberLight Wave Price Table](#)

LAM (Light Analog Module) Photon Transducer Light Signal

Selecting interconnects must include consideration of your taste, preferred media and electronics and their interactions, the speakers and their interactions with the room, the state of your power and grounds, and the overall frequency response and tonality of your system. The market now supports abundant metal-conductor cables of varying geometry, lay, and electrical characteristics, including Harmonic's own lines.

CyberLight P2A (preamp-to-amp) *analog interconnect* use patent-pending miniaturized LAM (Light Analog Module) to convert electrons to photons--laser light--and back again.

- Photon density modulated optical information travels across high-quality telecom/broadcast quality fiber optic links to the receiving LAM module using photon density modulated laser light.
- Entire signal path is pure analog -- no digital conversions.
- LAM technology does not use AM or FM modulation.
- Signal path is unidirectional with no signal back-reflections.
- Laser "photon density modulated" signals are not affected by music-killing high-frequency interference.
- "Analog" laser modulates intensity (brightness) of the signal.
- No digital on-off (1010) operations.

CyberLight Total Impedance Control for P2A Preamp-to-Amplifier Link

CyberLight LAM Photon Transducer Technology allows tight control over impedance characteristics, significantly maximizing the P2A's preamp-to-amp connections. Amplifier input sensitivity varies, but usually 2V volts is sufficient to drive an amp to full power. Noise is reduced with the P2A because it's trimmed for lower voltage throughput than Wave. P2A's impedance is carefully tuned for a lower input and output voltage for best signal transfer. Passive preamp fans will appreciate that sound quality doesn't change when RC time constants alter frequency response based on volume control setting as they do with metal-conductor cables.

Cyber Power Pack II Battery/Charger For Total Isolation and Best Sound

Photon Transducers take their power from a mini "tailback" wire emerging from one end of each cable's connector. The tailbacks are gathered into a one-into-two power splitter that can be daisy-chained back to the power source.

The CyberLight Power Pack II, a fuse-protected UL-Approved computer-grade UPS-type device, must be charged for 18 hours before first use. Your patience will be rewarded! After installation flip the switch to the **DC position** when ready to listen, and flip the switch to the **CHARGE position** when done to charge the battery, making sure the amps are off.

Forgot to charge your Power Pack? Use the supplied "wall-wart" remote power supplies while giving your Pack a full charge before restoring it to your system. You'll know when the battery goes below its operating capacity because of an unmistakable drop in sound quality. The sound with the remote wall-wart power supplies is excellent, but nowhere near as overwhelmingly wonderful and quiet as on the battery.

CyberLight Breaks Inter-Component Ground

CyberLight technology "breaks new ground" because its Photon Density Modulated light signal actually does break the ground between components. Breaking inter-component ground yields immediate dividends with a signal largely (or completely with the Power Pack) unaffected by the noise humming along on the ground plane. Think of all the ground lines from various components "talking" to each other in a typical audio/video system. These ground currents -- rarely at the same electrical potential -- flow back and forth trying to equalize each other, creating undesirable hum and noise that pollutes the signal.

"The signal path itself is always isolated from ground, even when plugged in," Jim explains, "and whatever extremely small noise may be induced in the receiver LAM by the wall-wart remote power supply is totally eliminated using the Cyber Power Pack II. By their nature photon signals are immune from the effects of RFI/EMI (Radio Frequency Interference/Electromagnetic Interference) for a very clean, immediate and full sound."

Bandwidth - Photon Light Signals Immune from Effects of RFI/EMI - Never Acts Like Antenna CyberLight's bandwidth is an incredible **5Hz to 30MHz** that lets upper frequency harmonics fully describe the sound. "This is best for the sound, even though it's getting way up there in the frequency range. It really doesn't matter how high up we go because the photon signal can't act like an antenna picking up radiated noise."

High Quality XLR or RCA

CyberLight P2A is available with XLR or RCA terminations. We recommend XLR balanced for use only with fully differential components that takes advantage of fully balanced running. Otherwise, less costly RCA terminations will work perfectly well for non-balanced or "quasi-balanced" connectors (XLRs on a single-ended circuit).

Flexible & Easy to Install

CyberLight P2A Photon Transducer interconnect is flexible, facilitating installation in any type of system. It's 200m long-run capability makes it a natural choice for audio as well as quality home theater and whole-house music distribution systems. If you're planning a large, complex entertainment system, P2A can be run in-wall.

Sound at the Speed of Light

CyberLight P2A Photon Transducer interconnects have zero capacitance, zero inductance, zero skin effect, zero phase shift, and zero signal loss up to 200m. After a short break-in perhaps an hour -- you'll be seduced by the quiet background, generous, lusciously harmonic, airy, stable and transparent three-dimensional soundstage, beautifully attractive midrange, and superb extension top and bottom, coupled with stunningly quick micro- and macro-dynamics. *"We think CyberLight Wave has a resemblance to the sound of vinyl or SACD/DVD-A in terms of musical ease and airiness,"* Jim suggests. We agree!

- **Positive-Feedback: Max Hardware: Harmonic Technology's New CyberLight Interconnects:** *"...the Harmonic Technology CyberLights are the cleanest, least colored cables I've ever had in my system... Once again, "Good job!" to the gang at Harmonic Technology. This time they've raised the bar to a level I didn't think was possible."* as reviewed by Max Dudious, <http://www.positive-feedback.com/Issue17/cyberlight.htm>
- **Positive-Feedback: CyberLight P2A and Wave interconnects:** *"Revolutionary is the only word to describe these state-of-the-art interconnects from Harmonic Technology. This first use of fiber optics and laser technology within the audio band is a winner!"* as reviewed by Robert H. Levi, <http://www.positive-feedback.com/Issue17/cyberlights.htm>

- **Le versioni di Harmonic CyberLight**

Sorgente-a-Preamp	CyberLight Wave
Preamp-a-PowerAmp	CyberLight P2A
Phono-a-Preamp	CyberLight Wave 6V
Sorgente-a-PowerAmp	CyberLight P2A
Digital COAX	CyberLight Digital Datalink

- **Prego contattare l'importatore Plasmapan Italia ai numeri 071895301 / 3351448229 per qualsiasi domanda**

- **We Are Always Happy To Assist Our Customers
In Their Search for Musical Meaning In Life
CyberLight Can Help Get You There
*AT THE SPEED OF LIGHT***

- Nota : altre lunghezze sino a 100m su richiesta a cyberlight@plasmapan.org
- **Tutti i cavi CyberLight si estendono sino a 100m senza degrado di segnale**

HARMONIC TECHNOLOGY e' distribuita ufficialmente in Italia da

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pan**

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