

## NEWOPTO Laser technology analog headphone amplifier KH series

NEWOPTO combines its laser-electronics technologies and metalwork craftsmanship to develop the new generation audio amplifiers, KH series. KH series audio amplifiers are specifically developed for headphones, to offer clear and dynamic sounds from low frequency to high frequency, to cover the Hi-Resolution range.

	
KH-07N full size headphone amplifier	KH-01P portable headphone amplifier

NEWOPTO has been active in developing laser-electronic measuring devices for electronics industries for more than 35 years, from the start of laser-electronics technologies. Those devices were employed by major Japanese electronics manufacturers including Olympus. Through the path along with the developments of laser-electronic devices, the company has been equipped with the technologies to perfect signals in the ultra-high frequency of more than 10,000 times of audible range, up to 1GHz. It has also established the metalwork networks to develop solid metal housings for the high-tech electronics components, also to release large volume of heat emitted by high-power laser. These two key features, laser-based signal control technologies and solid metal housing designs are combined to support the engineer's passion to pursue pure live sounds to produce KH series amplifiers.

The product with this logo is conformed to Hi-Res Audio Standard defined by Japan Audio Society. This logo is registered trademark.



<Line-ups>

Model	Description	Price
KH-07N	Full size amplifier with laser technology, AC100V, output 10W	US\$3,240
KH-08N	Full size amplifier with laser technology, accepting 3pin balanced headphones for better separation between R/L channel, AC100V, output 10W	US\$3,600
KH-05N	Full size amplifier with laser technology, to offer the KH-07N performance for a little less money for wider customer range, down-grades at housings, insulator and volume, AC100V, output 10W	US\$2,520
KH-01P	Portable amplifier with laser technology, 4 AAA cell powered, output 1W	US\$960

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Want dealers in the US market.

Want partners to develop business together!

Please contact to export business agent

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NEWOPTO analog headphone amplifier KH-07N, 08N, and 05N stationery models  
Life with exquisite sounds



Photo: KH-07N

<Key features>

- Over-capacity independent low-noise power input transfer coils  
24K gold plated circuit boards for the best electrical conduction
- 24K gold all-over plated ground to prevent higher harmonics
- Circuit lengths are the same for R/L channels to eliminate any signal delay between R/L, and to match the R/L performances.
- R/L channel circuits are separated from power inputs to amplifier circuits to prevent the signal mixture between them
- Non-magnetic body construction: no magnetic metal are used at body, even for small screws, to prevent any adverse effect from magnetic fields on signal
- Solid, sturdy housing constructions: 12mm, 1/2" thick machined aluminum front panel, 10mm, 3/8" thick machined aluminum side panels, 5mm 3/16" machined top aluminum panel , 2mm thick brass base chasee (KH-07N, 08N only)
- 10mm, 3/8" thick machined front panel, 2mm aluminum top and side cover, 2mm thick brass base chasee (KH-05N)
- Brass foot insulators (KH-07N, 08N only)
- Channel independent volume pot Alps-RK501(KH-07N, 08N only)
- Machined volume knob from 45mm dia aluminum bar
- Industrial-grade input/output connectors NEUTRIK
- AC100V powered (possible to modify for AC120V for US market upon request)
- Ultra stable amplifier performance, 5Hz-150kHz (+0dB, -1dB)



Newopto Corp.

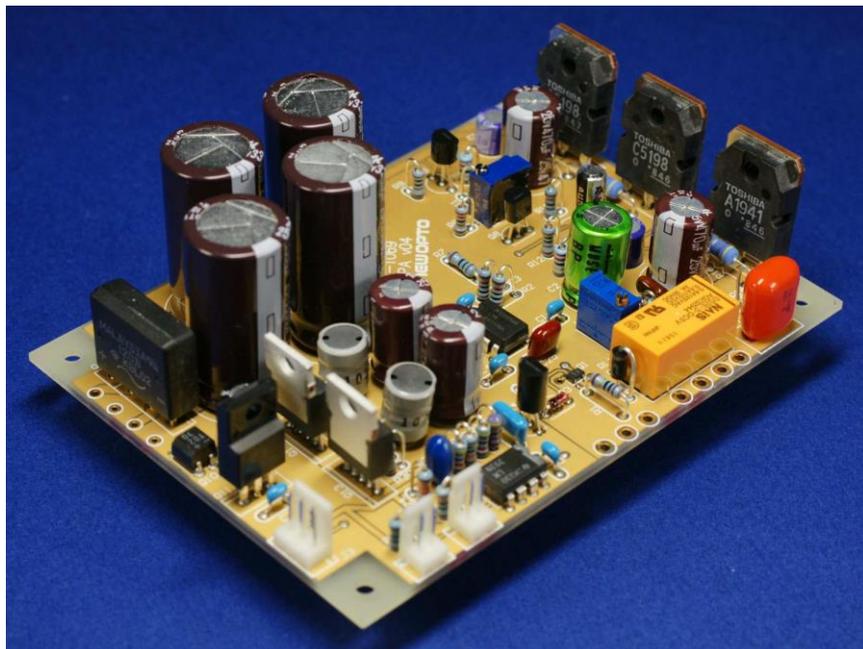
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**NEWOPTO**



NEWOPTO analog headphone amplifier KH-01P portable model,

Life with exquisite sounds



<Key features>

- Handy size and weight, 75x125x25mm, 255g 9oz
- Re-chargeable Ni-HM 4 AAA battery cells powered
- 24K gold plated circuit boards for the best electrical conduction
- 24K gold all-over plated ground to prevent higher harmonics
- Electronic components for R/L channels are symmetrically mounted on circuit board to match the circuit lengths for R/L channels to eliminate differences between R/L channel performances.
- Solid metal conductors are employed for sharp response
- Non-magnetic body construction: no magnetic metal are used at body, even for small screws, to prevent any adverse effect from magnetic fields on signal
- Solid, sturdy housing constructions: 10mm, 3/8" thick machined aluminum front panel, 7mm, 1/4" thick machined aluminum back panel, 2mm machined side panels and aluminum top/bottom panels
- Fixed ground system offers stable performance (rail-splitter virtual ground is not employed)
- Low battery indicator turns from green to red
- Ultra stable amplifier performance, DC-550kHz (+0dB, -1dB)
- Comes with 4 AAA re-chargeable batteries and a charger input AC100-240V



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