OVERVIEW

Harmonic Technology's INEX4000 battery pack is designed to keep the audio signals within your PHOTON series products completely isolated from RFI and EMI. The DC battery pack breaks the ground between components and eliminates any potential ground noise and hum. The system prevents all high-frequency radiated noise that has the potential of polluting sounds.



The INEX4000 is a rechargeable, auto-switching Li-ion battery pack, with two individual battery sets included. When one set is discharging, the other set is charging. With the INEX4000, you will never be without power, as long as the charger (plug with AC power) is connected to the battery pack. This dual-set design also minimizes any interference from the charging and discharging process, eliminating the contamination of audio signals from the AC source.

WARNING

This manual contains important instructions regarding the installation and operation of your INEX4000 battery pack. Please read this manual thoroughly before attempting to unpack, install or operate the device.

Precautions:

- Always use the attached Li-battery charger. Unauthorized chargers will damage the battery pack and cause hazards. In addition, the employment of a surge protector for sensitive electronic components is highly recommended.
- The INEX4000 battery pack can energize hazardous components within the enclosure pack even when the AC input power is disconnected. Handle with care.
- To prevent the risk of fire or electric shock, install the INEX4000 battery pack in a temperature and humidity-controlled indoor area that is free of conductive contaminants. Please refer to the specifications for recommended temperature and humidity ranges.
- To reduce the risk of electric shock, **DO NOT** open the case. There are no user-serviceable parts within the INEX4000 battery pack.

OPERATION

The INEX4000 battery pack is designed for easy usage with Photon Link, Photon Amp and Photon Digital laser audio cables as well as Photon AmpliCable. Always TURN OFF the power amplifier before connecting Photon Cables with INEX4000 Battery Pack. Use the following procedure for connection:

1. Turn off power amplifiers.
2. Connect Photon Cables to audio components.
3. Connect charger to **DC IN** of INEX4000 battery pack.
4. Connect Photon Cables with attached Y- or I- cable to **DC OUT** of INEX4000 battery pack.
5. Plug the charger to AC outlet. The LED on INEX4000 battery pack should be green now.

For a new INEX4000, allow the battery pack being charged until the LED on the charger becomes green. Then, the INEX4000 is ready to support laser audio cables. INEX4000 will recharge automatically as long as the charger is connected to the battery pack and provide appropriate DC input for INEX4000.

The green LED on the charger represents that INEX4000 battery pack is fully charged. Connection of charger with INEX4000 will not damage the battery pack or shorten the battery lifetime. It is not necessary to disconnect the charger from INEX4000 battery pack.

LED INDICATOR

The LED indicators inform you the status of your INEX4000 battery pack and charger.

Indicator	Color	Condition
Charger	Green	Charger connects to AC power source and does not charge the battery pack (or the battery is fully charged).
	Red	Charger connects to AC power source and charges the battery pack.
Battery Pack	Green	Receive the input DC power from charger.

SPECIFICATIONS

Parameter	Specification
Battery Pack	
Input	12.8 VDC / 1000 mA
Output	11.1 VDC / 250 mA
Charger	
Input	100 – 240 VAC, 50 – 60 Hz
Output	12.6 VDC / 1000 mA
Environment	
Operating Temperature	32 to 104 ºF or 0 to 40 ºC
Storage Temperature	5 to 113 ºF or -15 to 45 ºC
Operating Humidity	0% to 95% non-condensing within enclosure
Maximum Operating Elevation	10,000 ft or 3,000 m
Maximum Storage Elevation	50,000 ft or 15,000 m

Photon PreAmp

Photon AmpliCable

Photon Interconnects