

LPS-42B4

The KLM LPS / Linear Power Switch is a family of Ultra Linear ,High-precision Audio Power Amplifiers designed to impress audiophile precision upon any type of connected loudspeaker systems in a professional arena.

The LPS redefines professional amplification with our proprietary Linear Power Switch topology , exhibiting industry defining parameters ranging from T.H.D. (<0.0006%) / Damping - Voice coil Motor Control / Frequency response (6Hz-42KHz) / slew rate and noise floor amongst many others

The technological advancements of the LPS do not limit themselves to Audiophile performance alone. The LPS redefines power amplifiers in terms of utility form-factor, weight, volume & industry defining power density of up-to 330W / Cubic Inches.

The LPS comes in a rack mountable chassis measuring 215mm(H) x 60mm(W) x 186mm(D) oriented in vertical format. Multiple units of LPS are designed to be stacked in columns for distributed amplification as per the solution.

The power for all the electronic wizardry is provided by our groundbreaking LLC power converter which unflinchingly powers the LPS over a wide range input voltage / Load / temperature and providing un-compromised LOWs & crisp HIGHs over all types of audio content.

The LPS is further feature packed with on-board high speed limiters ensuring clip defeat at all times for an indelible audio experience. The LPS exhibits 4 independent channels with graduated gain controls and on-board selectable LOW PASS / HIGH PASS filters (24dB/Octave).These features simplifies any sound reinforcement solutions eliminating electronic crossovers & complex limiters.

The LPS 2 & 4 Channel power amplifiers are intended for use in premium installed audio & light to medium live stage sound reinforcements where intelligibility & performance are prime.

The LPS ships in 6 models and which are optimized for the entire range of installed audio applications.

AMPLIFICATION REDEFINED . AUDIO RE-IMAGINED.



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TECHNICAL SPECIFICATIONS

AUDIO POWER OUTPUT (ALL CHANNELS DRIVEN)

660W @ 2 OHMS X 4CH (24% DUTY CYCLE)
441W @ 4 OHMS X 4CH (24% DUTY CYCLE)
222W @ 8 OHMS X 4CH (24% DUTY CYCLE)

FREQUENCY RESPONSE

6HZ - 42KHZ (-3dB ROLL OFF)

TOTAL HARMONIC DISTORTION

0.0006% AT FULL POWER / ALL CHANNELS DRIVEN @ 4 OHMS

CHANNEL SEPARATION / CROSSTALK

>120 dB

INPUT SENSITIVITY

+1.5 dBU FOR MAXIMUM POWER OUTPUT

INPUT IMPEDANCE

33K OHMS BALANCED

DAMPING FACTOR

1860 : EXHIBITED AT 4 OHMS FOR 60 HZ SINUSOIDAL WAVEFORM

TECHNICAL FEATURES

NUMBER OF GAIN CONTROLS : 4 (GEARED POTENTIOMETERS / CH)
NUMBER OF ACTIVE FILTERS : 8 (SELECTABLE HPF/LPF FOR EACH CH)
SIGNAL / LIMITER ACTIVITY INDICATORS : 4 (1 / CH)
POWER INDICATOR : 1 RED (CONSTANT)
SYSTEM STATUS : 1 GREEN (PULSED)

