

MULTIMEDIA Series

Self-Powered LR6 System

Professional Active Self Powered LR6-amp Sound System

For many years Audio Performance has been developing professional loudspeaker systems, that enjoy an impeccable reputation among sound professionals. This wealthy experience was used to create a 2.0 sound system beyond the ordinary, offering new standards and a level of performance not previously available.

The LR6-amp is designed with the same philosophy as our professional products: Uncoloured sound reproduction, Flat frequency response, Reliable and robust construction, Use of the latest technologies. The LR6 is an elegant and thin column type loudspeaker system that gives exceptionally accurate sound reproduction. It contains two high power - high efficiency 6.5" mid-bass transducers, and a 1" high precision dome tweeter in a D'Appolito configuration,



two class A/B power amplifiers with very low THD and IM distortion values, a DSP (Digital Signal Processing) that gives an ultra-accurate crossover and amplitude response. An optimized FIR filter (Finite Impulse Response) ensures a quasi-perfect transient response and time alignment for an amazing soundstage.

The LR6-amp is very easy to set up and use. The only connections required are the mains supply and the line input. The input is made via a balanced female XLR. A balanced male XLR output connector can be used for connecting an Audio Performance subwoofer or daisy chaining.

When the power switch on the back panel of the loudspeaker is set to "ON", the intelligent Signal Sensing auto start function is active. Automatic powering down to standby mode happens after a certain time when playback has ended. The power consumption in standby mode is typically less than 1 Watt. The playback will automatically resumes once an input signal is detected from the source. There is a slight delay in the automatic powering up. This function can be disabled on the amplifiers board if it's not needed or unwanted.

A bi-color front LED shows the status of the monitor: operating-green, overload-red. Sensitivity is adjustable to -10dB, 0dB & +4dB.

IDEAL FOR

Mastering Studio

Auditorium

Cinema

Home Theater

HI-FI

Multi-Media

Special Features

Self-Powered

DSP
FIR Filtering

High Pressure Level

45Hz cut-off Frequency

MULTI MEDIA Series

Professional Active Self Powered LR6-amp Sound System Specifications

ACOUSTICAL

Frequency response (1)..... 45Hz - 20KHz ± 3dB
 Phase response 350Hz - 10Khz ± 45°
 Max. peak SPL (2)..... 118dB

Coverage Horizontal: 90°
 Vertical: 60°

TRANSDUCERS

Low frequency 2 x 6.5 inch, lg-ex
 High frequency 1 x 1 inch dome tweeter

MECHANICAL DATA

Finish Black epoxy painted
 Dimensions (W x H x D) 200 x 1200 x 358mm
 Grill 1,6mm steel, foam cover
 Weight 21Kg

AMPLIFIERS

Output power (low)(5)..... 120W RMS / 4 Ohm
 Output power (high) (5)..... 60W RMS / 8 Ohm
 THD, DIM, SMPTE..... <0,05%

AUDIO INPUT

Type..... Analog Differential balanced input circuit
 Connectors..... Female XLR; Male XLR loop
 Nominal impedance..... 10K ohm
 XLR wiring..... 1: GND, 2: positive, 3: negative
 Sensitivity -10dBm, 0dBm, +4dBm (Switch)

DSP..... Resolution: 24bit / 96KHz
 Dynamic range 113dB
 FIR: 512 Taps

AC power

Connectors..... 3-Pin IEC male receptacle
 Input voltage (EU)..... 230V 200VA max
 115V Optional



Finish:



- Standard:
 - Black or white, structured acrylic paint and black or white front grill
 Option:
 - Any RAL color structured acrylic paint
 - Any RAL color Laquered
 - Any RAL color for front grill
 - Wood finish