

BEDIENUNGSANLEITUNG

MANUAL



L.U.C.A.S + Add-On Package

L.U.C.A.S

LIGHTWEIGHT ULTRA COMPACT ACTIVE SYSTEM

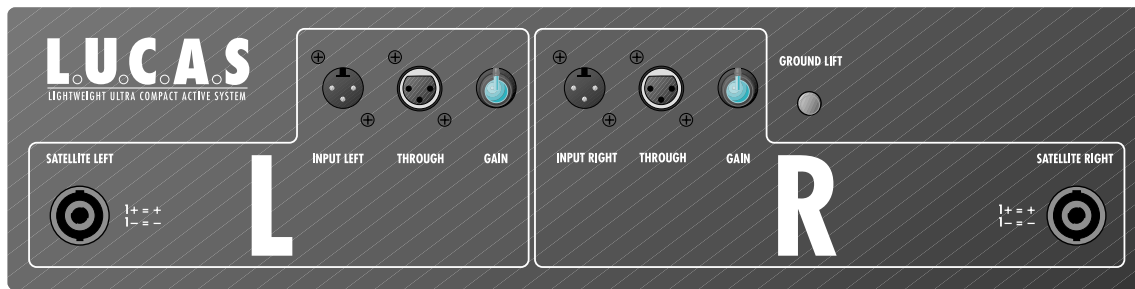


ENGLISH

DEUTSCH

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ITALIANO



WELCOME TO THE HK AUDIO FAMILY!

The Lightweight Ultra Compact Active System, L.U.C.A.S. for short, is a complete active two-way satellite system featuring a subwoofer and two mid/high modules as tops. All of the system's electronics are housed in the subwoofer: the crossovers, corrective equalization, conventional limiters for the tweeters, our time-tested Dynaclip circuitry for the bass speakers, plus the power amps and circuit breakers. The integrated electronic circuitry is precisely matched to the speakers, making it easy for you to achieve the best possible sound and to ensure the system's superior impulse response, while also allowing you to rest assured that the system is protected from overloading. What's more, L.U.C.A.S. is about as easy to use as it gets. You don't have to worry about tweaking frequencies or performing time-consuming sound checks trying to determine the right levels. All you have to do is set up the system components, connect five cords and you're ready to roll.

To achieve excellent sonic results quickly using L.U.C.A.S., follow these five simple steps:

1. Signal Input

The two electronically balanced XLR jacks serve as the inputs for the audio signal. You also have two parallel outputs available for connecting additional power amps. L.U.C.A.S. can handle a stereo or mono signal, so if the need arises for a more powerful system, for instance in a larger venue, you can combine two systems and operate them in tandem, each in mono mode. Each of the two inputs is equipped with a gain pot that controls its sensitivity so that you can adjust the L.U.C.A.S. power amps to the level of the input signal for the best audio results.

Note: If you want to operate L.U.C.A.S. in mono mode, you must route the mono input signal to the second input of L.U.C.A.S. via a microphone cord. In other words, connect the cable from the Parallel Out of the input that you're using to the second input. This is the only way the mono signal will be sent to both tops.

2. Speaker Outputs

The two upper cabinets are connected via two Speakon sockets. These have an impedance of four ohms each to make the most of the power amps' output. For this reason, the system can drive no more than a single top per channel and you won't find jacks for connecting additional cabinets.

3. AC Power

Use this socket to connect L.U.C.A.S. to an AC power supply. Before you plug the system into a wall outlet, ensure your local mains voltage matches the specification indicated on the subwoofer. If you attempt to run L.U.C.A.S. on the wrong mains voltage, you can seriously damage the power amps.

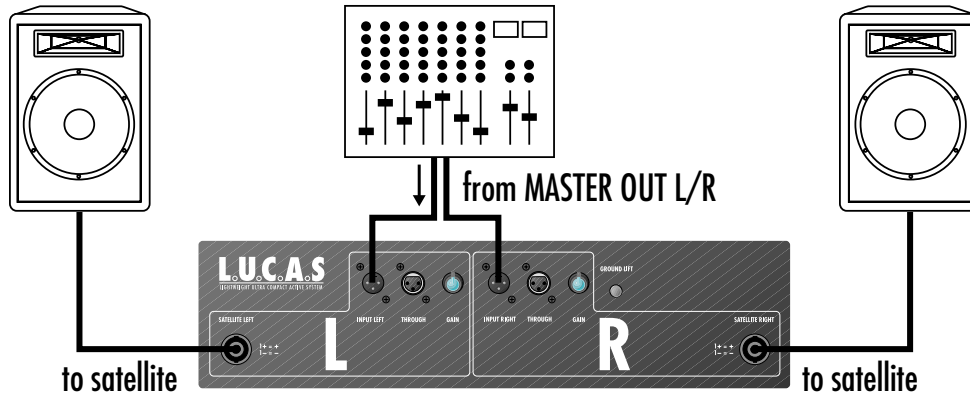
4. Mains switch

After you have connected all the necessary cords, switch the system on.

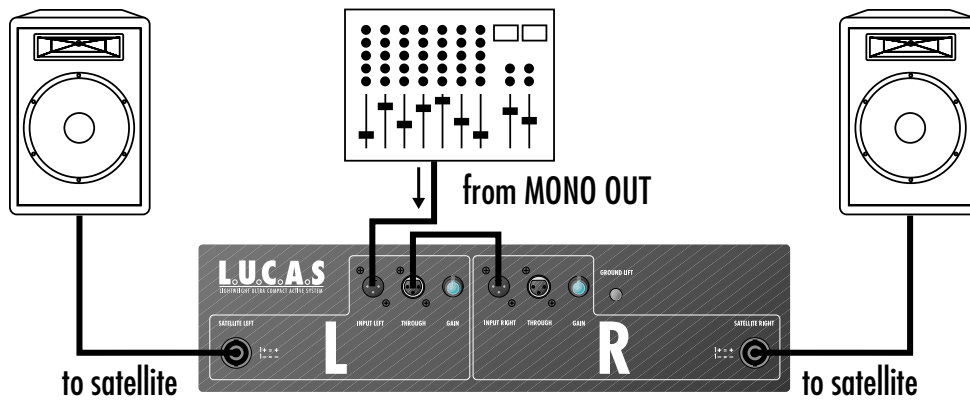
5. Ground Lift

When it is pressed, it separates the signal ground from the chassis ground, enabling you to eliminate potential ground loops.

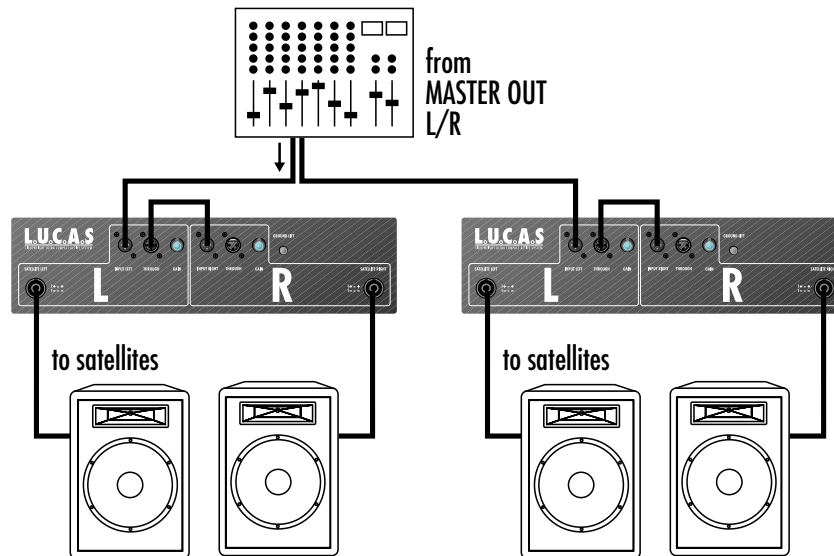
STEREO SET UP



MONO SET UP



2x L.U.C.A.S SET UP



This is to certify that

HK AUDIO L.U.C.A.S

complies with the provisions of the Directive of the Council of the European Communities on the approximation of the laws of the Member States relating to electromagnetic compatibility (EMC Directive 89/336/EEC) and the low voltage Directive (73/23/EEC).

This declaration of conformity of the European Communities is the result of an examination carried out by the Quality Assurance Department of STAMER GmbH in accordance with European Standards EN 50081-1, EN 50082-1 and EN 60065 for low voltage, as laid down in Article 10 of the EMC Directive.

Stamer Musikanlagen GmbH*
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66606 St.Wendel

Lothar Stamer Dipl.Ing.
Managing Director
St.Wendel, 11/25/98

* Stamer Musikanlagen manufactures exclusively for HK AUDIO

Für das folgend bezeichnete Erzeugnis

HK AUDIO L.U.C.A.S

wird hiermit bestätigt, daß es den wesentlichen Schutzanforderungen entspricht, die in der Richtlinie des Rates zur Angleichung der Rechtsvorschriften der Mitgliedsstaaten über die elektromagnetische Verträglichkeit (89/336/EWG) und der Niederspannungsrichtlinie (73/23/EWG) festgelegt sind. Diese Erklärung gilt für alle Exemplare, und bestätigt die Ergebnisse der Messungen, die durch die Qualitätssicherung der Fa. Stamer Musikanlagen GmbH durchgeführt wurden. Zur Beurteilung des Erzeugnisses hinsichtlich elektromagnetischer Verträglichkeit wurden folgende Normen herangezogen: EN 50081-1 • EN 50082-1. Zur Beurteilung der Einhaltung der Niederspannungsrichtlinie wurde folgende Norm herangezogen: EN 60065

Diese Erklärung wird verantwortlich für den Hersteller

Stamer Musikanlagen GmbH*
Magdeburger Str. 8
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abgegeben durch

Lothar Stamer Dipl.Ing.
Geschäftsführer
St.Wendel, den 25/11/98

* Stamer Musikanlagen stellt exklusiv für HK AUDIO her

TECHNICAL DATA

Classification: Active PA- system with 1x Subwoofer, 2x Satellite.

Inputs

Line IN L/ R	Connector	XLR female (1=Ground; 2=+; 3=-)
	Input design	electronically balanced & floating
	Inp. impedance	47 kohms
	Sensitivity	0 dB
	Max. input level	+ 24 dB

Outputs

Parallel Out L/ R	Connector:	XLR male (1=Ground; 2=+; 3=-)
Satellite L/ R	Connector:	Speakon® NL4 (pin 1+= +; pin 1--= -)

Active Crossover

Crossover frequency	130 Hz
Roll off	24 dB/ Octave

Amplifiers

Power output Subwoofer (Mono)	300 W/ 8 ohms at 1% THD
Power output per Satellite	150 W/ 4 ohms at 1% THD

Speakers

Subwoofer	Driver	1x 15" HK Audio Custom
	Nominal impedance	8 ohms
	Power handling nom.	150 W
	Power handling progr.	300 W
	Sensitivity 1W/1m axial	104 dB (half space)
	Max. Sound pressure	126 dB at 3% harmonic distortion (half space/ 1m)
Satellite	Drivers	1x 8" plus Ceramic HF driver with 60°x40° horn
	Nominal impedance	4 ohms
	Power handling nom.	150 W
	Power handling progr.	200 W
	Frequency response	100 Hz – 18 kHz, ±4 dB
	Directivity	Hor. ±30° from 2 kHz to 20 kHz Ver. ±20° from 3 kHz to 20 kHz
	Crossover frequency	4,5 kHz (passive)
	Sensitivity 1W/1m axial	101 dB (half space)
	Max. Sound pressure	117 dB at 3% harmonic distortion (half space/ 1m)

Dimensions & Weights

Satellite:	Width: 270 mm • Height: 425 mm • Depth: 230 mm	Weight: 8 kg
Subwoofer:	Width: 540 mm • Height: 440 mm • Depth: 615 mm	Weight: 37 kg
System:	Width: 540 mm • Height: 850 mm incl. wheels • Depth: 440 mm	Weight: 53 kg

Options

Add- on Package	contains:	2x 7 m Speakon®- cable 2x alu- speaker stands Gigbag for cable and stands
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