USER´S MANUAL
BEDIENUNGSANLEITUNG
MANUEL D`UTILISATION
MANUAL DE USUARIO
INSTRUKCJA OBSŁUGI
MANUALE D' USO
操作说明书
操作說明書



CURV 500®

PORTABLE ARRAY SYSTEM WITH 4-CHANNEL MIXER
LDCURV500 SERIES

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ENGLISH

YOU'VE MADE THE RIGHT CHOICE!
We have designed this product to operate reliably over many years. LD Systems stands for this with its name and many years of experience as a manufacturer of high-quality audio products. Please read this User's Manual carefully, so that you can begin making optimum use of your LD Systems product quickly.
You can find more information about **LD-SYSTEMS** at our Internet site WWW.**LD-SYSTEMS**.COM

SAFETY INFORMATION

1. Please read these instructions carefully.
2. Keep all information and instructions in a safe place.
3. Follow the instructions.
4. Observe all safety warnings. Never remove safety warnings or other information from the equipment.
5. Use the equipment only in the intended manner and for the intended purpose.
6. Use only sufficiently stable and compatible stands and/or mounts (for fixed installations). Make certain that wall mounts are properly installed and secured. Make certain that the equipment is installed securely and cannot fall down.
7. During installation, observ e the applicable safety regulations for your country.
8. Never install and operate the equipment near radiators, heat registers, ovens or other sources of heat. Make certain that the equipment is always installed so that is cooled sufficiently and cannot overheat.
9. Never place sources of ignition, e.g., burning candles, on the equipment.
10. Ventilation slits must not be blocked.
11. Keep a minimum distance of 20 cm around and above the device.
12. Do not use this equipment in the immediate vicinity of water (does not apply to special outdoor equipment - in this case, observe the special instructions noted below. Do not expose this equipment to flammable materials, fluids or gases. Avoid direct sunlight!
13. Make certain that dripping or splashed water cannot enter the equipment. Do not place containers filled with liquids, such as vases or drinking vessels, on the equipment.
14. Make certain that objects cannot fall into the device.
15. Use this equipment only with the accessories recommended and intended by the manufacturer.
16. Do not open or modify this equipment.
17. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
18. During transport, make certain that the equipment cannot fall down and possibly cause property damage and personal injuries.
19. If your equipment is no longer functioning properly, if fluids or objects have gotten inside the equipment or if it has been damaged in anot her way, switch it off immediately and unplug it from the mains outlet (if it is a powered device). This equipment may only be repaired by authorized, qualified personnel.
20. Clean the equipment using a dry cloth.
21. Comply with all applicable disposal laws in your country. During disposal of packaging, please separate plastic and paper/cardboard.
22. Plastic bags must be kept out of reach of children.
23. Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user´s authority to operate the equipment.

FOR EQUIPMENT THAT CONNECTS TO THE POWER MAINS
24. CAUTION: If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
25. If the equipment has been exposed to strong fluctuations in temperature (for example, after transport), do not switch it on immediately. Moisture and condensation could damage the equipment. Do not switch on the equipment until it has reached room temperature.
26. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment. If the equipment has a voltage selection switch, connect the equipment to the power outlet only if the equipment values and the mains power values match. If the included power cord or power adapter does not fit in your wall outlet, contact your electrician.
27. Do not step on the power cord. Make certain that the power cable does not become kinked, especially at the mains outlet and/or power adapter and the equipment connector.
28. When connecting the equipment, make certain that the power cord or power adapter is always freely accessible. Always disconnect the equipment from the power supply if the equipment is not in use or if you want to clean the equipment. Always unplug the power cord and power adapter from the power outlet at the plug or adapter and not by pulling on the cord. Never touch the power cord and power adapter with wet hands.
29. Whenever possible, avoid switching the equipment on and off in quick succession because otherwise this can shorten the useful life of the equipment.
30. IMPORTANT INFORMATION: Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service centre.
31. To disconnect the equipment from the power mains completely, unplug the power cord or power adapter from the power outlet.
32. If your device is equipped with a Volex power connector, the mating Volex equipment connector must be unlocked before it can be removed. However, this also means that the equipment can slide and fall down if the power cable is pulled, which can lead to personal injuries and/or other damage. For this reason, always be careful when laying cables.
33. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.
34. The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
35. Children must be instructed not to play with the device.
36. If the power cord of the device is damaged, do not use the device. The power cord must be replaced by an adequate cable or assembly from an authorized service center.



CAUTION:
To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.



The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.



The warning triangle with exclamation mark indicates important operating and maintenance instructions.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



Warning! This device is designed for use below 2000 metres in altitude.



Warning! This product is not intended for use in tropical climates.

CAUTION! HIGH VOLUMES IN AUDIO PRODUCTS!
This device is meant for professional use. Therefore, commercial use of this equipment is subject to the respectively applicable national accident prevention rules and regulations. As a manufacturer, Adam Hall is obligated to notify you formally about the existence of potential health risks.
Hearing damage due to high volume and prolonged exposure: When in use, this product is capable of producing high sound-pressure levels (SPL) that can lead to irreversible hearing damage in performers, employees, and audience members. For this reason, avoid prolonged exposure to volumes in excess of 90 dB.

* CURV500S, CURV500SE can be used in following electromagnetic environment: residential, commercial and light industrial, urban outdoors. They are the apparatus not intended for rack mounting.
* The peak inrush currents equal to 8.86 A.
* This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)this device may not cause harmful interference ,and (2)this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

INTRODUCTION

The compact, transport-friendly CURV 500® is an easily configurable array system with a maximum of 4 satellites, latching into each other, which are operated via a SmartLink® adapter. The elements, only 12 x 12 cm in size, are equipped with LD System's own WaveAhead® technology, a 4" and three 1" drivers provide a coherent and extremely detailed playback with high pressure and dynamics.

The 10" bass-reflex subwoofer also houses the DSP controlled Class-D power amplifier of the CURV 500® including a limiter, protection against short circuit, overheating, over-voltage, as well as a 4-channel mixer with 16 digital effect presets and Bluetooth®. Combo, and Speakon-compatible sockets offer extensive connectivity options, and the subwoofer features 4 digital system presets, an M20 threaded flange and 3 ergonomic carrying handles. Available in 3 sets for mobile and fixed use, the convenient overall solution CURV 500® boasts a low weight and a wide, far-reaching sound dispersion.

General information
Before start-up, the subwoofer of the LD Systems CURV 500® array system must be placed upright on its rubber feet, on a flat surface.
Never operate your system on a trolley, as there is a risk that the entire system might be unstable. Accidents and damage may result. To ensure adequate cooling, during operation a minimum distance of 50 cm must be maintained between the back of the subwoofer and other objects such as walls for example. Please ensure the correct connection of audio and power connections for the system and all connected devices such as mixers, CD players, etc. Use only undamaged cables of suitable diameter and always unwind cable reels completely. If necessary, use cable bridges to avoid tripping over loose cables. Never place the device directly on an edge. Do not place the subwoofer on a table. To avoid unwanted background noise when turning on connected devices, always turn on the system last and turn it off first.

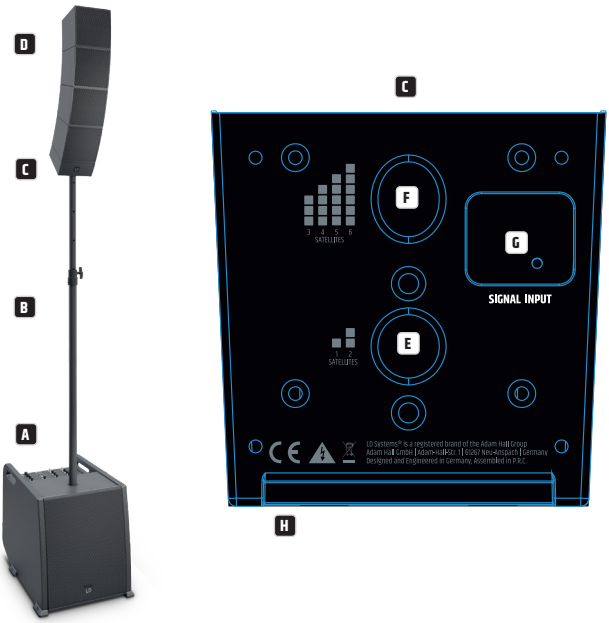
SETUP

In order to allow for a wide variety of configuration options, the LD Systems CURV 500® array system is designed to be modular. Described below is a representative setup of the LD CURV 500® ES Entertainer Set. Examples of setups for other Sets can be found on the following pages of this user's manual.

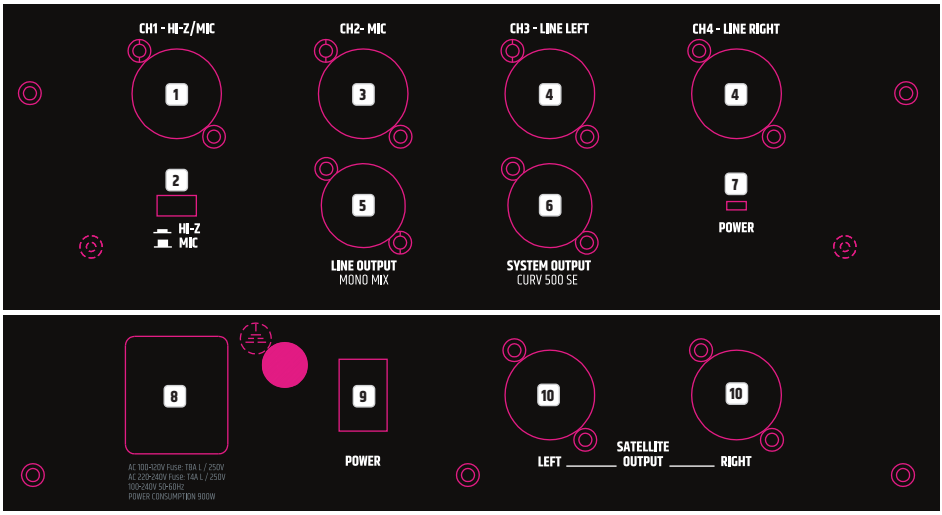
The LD CURV 500® ES Entertainer Set consists of 4 components:

A. subwoofer with mixer, built-in DSP (digital signal processor) and class-D power amplifier for the system components.
B. height adjustable spacer bar.
C. SmartLink® adapter as the base for up to 4 CURV 500® array satellites.
D. Four CURV 500® array satellites with the patented click mechanism and WaveAhead® technology.

Once the subwoofer (A) has been placed in the desired location, the spacer bar (B) is screwed into the subwoofer (flange on the top). When using 1 or 2 CURV 500® satellites, plug the SmartLink® adapter (C) using the rear flange (mark satellite 1 + 2, upright position, fig. E) onto the top of the spacer bar; when using 3 or 4 CURV 500® satellites using the front flange (mark satellite 3 + 4, forward inclined position, fig. F). Now slide a CURV 500® satellite (D) from the rear onto the SmartLink® adapter (C) until it stops, while pressing the spring-loaded release button on the side of the satellite. Ensure that the two guide rails of the satellite properly slide into the grooves of the SmartLink® adapter in order to ensure a tight fit and establish a contact for both components. Now release the button to lock the connection and to bring the button back to its original position. Proceed in the same manner as described above to add other satellites. Now connect the speaker output SATELLITE OUT of the CURV 500® subwoofer with the speaker input INPUT SIGNAL (G) of the SmartLink® adapter using the supplied speaker cable. When disassembling, please proceed in reverse order. For fixed installations and desktop applications, a terminal block connector (fig. H, terminal block included) is located on the back of the SmartLink® adapter. The speaker input INPUT SIGNAL (G) is parallel wired with the terminal block connector (H).



CONNECTIONS, CONTROLS AND INDICATORS



LDCURV500S

1 INPUT MIC/HI-Z

Balanced microphone or instrument input (XLR / 6.3 mm jack combo). It is also possible to use an unbalanced microphone or instrument cable (mono jack). Pay attention to the setting of switch 2, as described below. NOTE: The XLR input socket is designed for the 12 V phantom power supply of a condenser microphone.

2 HI-Z SWITCH

When using channel 1 as a microphone channel, bring the HI-Z switch to the up position. When using channel 1 as an instrument channel, bring the HI-Z switch to the down position.

3 INPUT MIC

Balanced microphone input (XLR / 6.3 mm jack combo) It is also possible to use an unbalanced microphone cable (mono jack). NOTE: The XLR input socket is designed for the 12 V phantom power supply of a condenser microphone.

4 INPUT LINE 3 + 4

Balanced line inputs with XLR / 6.3 mm jack combo sockets for connecting a playback device (e.g. mixer, keyboard). When using a CURV 500® ES Entertainer Set as a Mono Set (the array satellites mounted together on the spacer bar), the MONO / STEREO (26) switch on the mixer control panel must be pressed down (MONO). An incoming audio signal will be mono summed. When using a CURV 500® ES Entertainer Set as a Stereo Set (2 array satellites mounted left and right), or using the CURV 500® PS Power Set (Stereo), the MONO / STEREO (26) switch on the mixer control panel must not be pressed down (STEREO). An incoming stereo audio signal will be output in stereo. The latter also applies when using the LD CURV 500® AVS Stereo A/V Set (switch 26 -> STEREO).

5 LINE OUT MONO MIX

Balanced line output with male XLR socket. Output of the mixer summing signal in Mono.

6 SYSTEM OUT CURV 500 SE

Male 5-pin XLR socket to connect the CURV 500® SE Subwoofer expansion, or the CURV 500® PES Power expansion sets. When using a CURV 500® SE Subwoofer expansion, the MONO / STEREO (26) switch on the mixer control panel must be pressed down (MONO). An incoming audio signal will be mono summed. When using a CURV 500® PES Power Expansion Set to create a Stereo Set, the MONO / STEREO (26) switch on the mixer control panel must not be pressed down (STEREO). An incoming stereo signal on INPUT LINE 3 / 4 will be output in stereo.

7 POWER LED

Lights up once the system is properly connected to the power mains and switched on.

8 POWER CONNECTOR WITH FUSE HOLDER

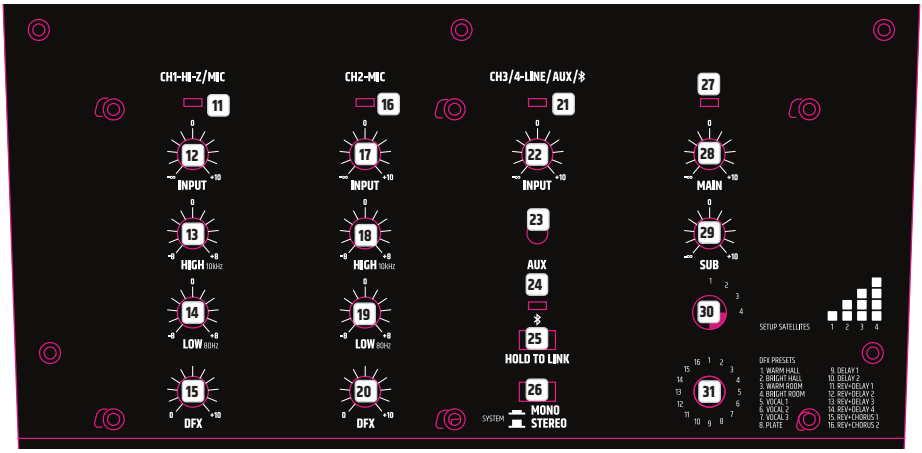
IEC power socket with built-in fuse holder. An appropriate power cord is included in the delivery. IMPORTANT INFORMATION: Replace the fuse only with a fuse corresponding to the operating voltage. Please observe the label on the housing. If the fuse blows repeatedly, please contact an authorised service centre.

9 POWER ON / OFF

On / Off switch for the power supply of the device.

10 SATELLITE OUT LEFT / RIGHT

Speakon compatible outputs for controlling the LD CURV 500® satellites. Up to four LD CURV 500® satellites can be operated at each of the outputs simultaneously (e.g. for voice and sound). When using a CURV 500® ES Entertainer Set as a Mono Set, use the satellite output LEFT for the control of the LD CURV 500 satellites and the MONO / STEREO (26) on the mixer control panel switch must be pressed down (MONO). When using a LD CURV 500® ES Entertainer Set as a Stereo Set (2 array satellites mounted left and right), or when using the LD CURV 500® AVS A/V Set, use both satellite outputs LEFT and RIGHT to control the LD CURV 500® satellites left and right and the MONO / STEREO (26) switch on the mixer control panel must not be pressed down (STEREO). An incoming stereo audio signal will be output in stereo. The use of the LD CURV 500® PS Power Set as a Stereo Set (or the combination of LD CURV 500® ES and LD CURV 500® PES) requires the use of the satellite output LEFT (left) for the control of the LD CURV 500® satellite on the left. The LD CURV 500® satellite on the right is controlled by the satellite output of the expansion subwoofer SATELLITE OUT RIGHT.



11 LED CH 1

When a signal is present at the input of channel 1 (CH 1), the LED indicator lights up green; if the LED is red, the channel is operating at the clipping range. To avoid distortion, reduce the volume level of the volume controller (12) of channel 1.

12 LEVEL CH 1

Volume controller for channel 1 (CH 1). Turning the dial to the right increases the volume and turning it to the left decreases it.

13 EQUALIZER HIGH CH 1

Equalizer high band for channel 1 (CH 1). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

14 EQUALIZER LOW CH 1

Equalizer bass band for channel 1 (CH 1). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

15 LEVEL DFX CH 1

Controller for adding the signal from channel 1 (Effects Send) to the internal digital effects device (effect volume channel 1). The effect presets are selected with the help of the rotary encoder DFX PRESETS Nº 31.

16 LED CH 2

When a signal is present at the input of channel 2 (CH 2), the LED indicator lights up green; if the LED is red, the channel is operating in the clipping range. To avoid distortion, reduce the volume level of the volume controller (17) of channel 2.

17 LEVEL CH 2

Volume controller for channel 2 (CH 2). Turning the dial to the right increases the volume and turning it to the left decreases it.

18 EQUALIZER HIGH CH 2

Equalizer high band for channel 2 (CH 2). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

19 EQUALIZER LOW CH 2

Equalizer bass band for channel 2 (CH 2). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

20 LEVEL DFX CH 2

Controller for adding the signal from channel 2 (Effects Send) to the internal digital effects device (effect volume channel 2). The effect presets are selected with the help of the rotary encoder DFX PRESETS Nº 31.

21 LED CH 3 / 4

When an audio signal is present at the input of channel 3 /4 (CH 3/4), the LED indicator lights up green; if the LED is red, the channel is operating in the clipping range. To avoid distortion, reduce the volume level of the playback device (e.g. keyboard, mixer) or the level of the volume controller 22.

22 LINE IN LEVEL CH 3 / 4

Volume controller for channel 3 / 4 (CH 3 / 4). Turning the dial to the right increases the volume and turning it to the left decreases it.

23 AUX INPUT

Stereo input with 3.5 mm stereo jack socket for a playback device (e.g. MP3 Player). The input is in parallel to the line inputs 3 and 4. The volume is adjusted using the volume controller of channel 3 / 4 LEVEL CH 3/4 on the playback device.

24 BLUETOOTH LED

The mixer of the LD CURV 500® array system is equipped with Bluetooth, meaning that audio files from another Bluetooth device (e.g. smartphone) can be played back on the LD CURV 500® speakers (maximum distance between two devices about 10 metres). If no Bluetooth device is connected with the internal Bluetooth unit, the blue Bluetooth LED flashes briefly twice every 3 seconds or so, while the pairing standby LED flashes approx. every 0.5 second; if the Bluetooth LED is on permanently, then a Bluetooth connection is established and the track playback can be started. The volume is adjusted using the volume controller of channel 3 / 4 LEVEL CH 3/4 on the playback device.

25 HOLD TO LINK

To pair and connect the internal Bluetooth device with a Bluetooth-enabled device, press and hold the HOLD to LINK button for approx. 3 seconds until the Bluetooth LED (24) flashes (approx. 2 Hz), enable Bluetooth on your Bluetooth device and search for available devices on the user interface. Select "LD CURV500®" and pair your Bluetooth device with the internal Bluetooth device. The playback can now start. To end the connection, press and hold the HOLD to LINK button again for approx. 3 seconds.

26 MONO / STEREO

To have a Mono summed output signal on the mixer, the MONO / STEREO (26) switch on the mixer control panel must be pressed down in the MONO position. If the MONO / STEREO switch is not pressed down, the output signal is in stereo.

27 MAIN LED

If an audio signal is present on the sum channel, the LED lights up green. As soon as the LD CURV 500® array system is operated in the clipping range, the LED turns red. Brief flashing is not a cause for concern, since the internal audio limiter compensates for over-modulation. Permanent illumination should be avoided by reducing the input level.

28 MAIN LEVEL

Volume control for the summing channel. When turned to the left, overall volume levels are lowered, when turned to the right, they are raised.

29 SUB LEVEL

Adjusting the volume ratio of the subwoofer to the satellite speakers.

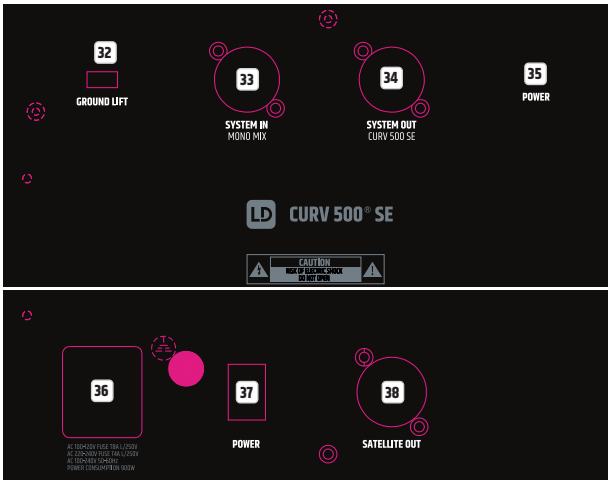
30 DSP PRESETS

Since it is possible to vary the number of connected LD CURV 500® satellites (1 - 4 units), the DSP settings must be adjusted accordingly, to achieve a homogeneous sound distribution for all four variations (equalizer settings and adjusting the bass level). Set the rotary encoder on number 1 if you only want to operate one satellite in the LD CURV 500® system (1 unit for mono or 1 unit each left and right for stereo). Proceed in the same way, if you want to operate 2, 3, or 4 satellites in the system.

31 DFX PRESETS

16 different effects presets are available to you. Use the rotary encoder to select one of the presets as desired.

CONNECTIONS, CONTROLS AND INDICATORS



LDCURV500SE

The Subwoofer expansion LD CURV 500® SE, when used individually, complements the bass output of the LD CURV 500® array system. Furthermore, the subwoofer expansion allows the connection of additional LD CURV 500® satellites. The intelligent signal control is carried out by the DSP (digital signal processor) integrated into the LD CURV 500® S Subwoofer via the 5-pin XLR system cable, additional system settings are thus not required.

32 GROUND LIFT

This feature can prevent ground loops that can occur when the subwoofers LD CURV 500® S and LD CURV 500® SE are connected to different earthing potentials.

33 SYSTEM IN CURV 500

Female 5-pin XLR socket to connect the CURV 500® S Subwoofer (SYSTEM OUT N⁰ 6 -> SYSTEM IN N⁰ 33). A suitable 5-pin XLR system cable is included. NOTE: Use only shielded 5-pin XLR cables with parallel signal lines and full pin assignment. Some commercially available 5-pin XLR cables do not necessarily possess the full pin assignment. When using a CURV 500® SE as a subwoofer expansion, the MONO / STEREO (26) switch on the mixer control panel of the LD CURV 500® S Subwoofer must be pressed down (MONO). An incoming audio signal will be mono summed. When using a CURV 500® PES Power Expansion Set to create a Stereo Set, the MONO / STEREO (26) switch on the mixer control panel must not be pressed down (STEREO). If an incoming stereo signal is present on INPUT LINE 3 / 4 of the LD CURV 500® S Subwoofer, it will be output in stereo.

34 SYSTEM OUT CURV 500 SE

Male 5-pin XLR socket to connect an additional CURV 500® SE Subwoofer expansion, or the CURV 500® PES Power expansion sets.

35 POWER LED

Lights up once the system is properly connected to the power mains and switched on.

36 POWER CONNECTOR WITH FUSE HOLDER

IEC power socket with built-in fuse holder. A suitable power cord is included in the delivery. IMPORTANT INFORMATION: Replace the fuse only with a fuse corresponding to the operating voltage. Please observe the label on the housing. If the fuse blows repeatedly, please contact an authorised service centre.

37 POWER ON / OFF

On / Off switch for the power supply of the device.

38 SATELLITE OUT RIGHT

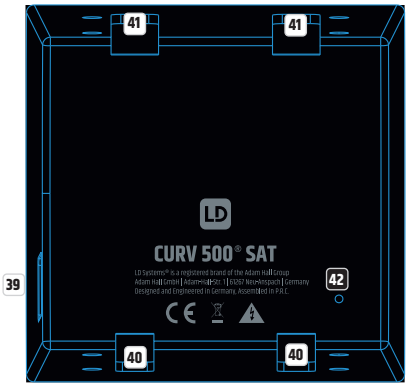
Speakon-compatible output for controlling one to four LD CURV 500® satellites. The use of the LD CURV 500® PS Power Set as a Stereo Set (or the combination of LD CURV 500® ES and LD CURV 500® PES) requires the use of the satellite output LEFT (left) on the LD CURV 500® S Subwoofer for the control of the LD CURV 500® satellites on the left. The LD CURV 500® satellites on the right are controlled by the satellite output of the expansion subwoofer LD CURV 500® SE (SATELLITE OUT RIGHT).

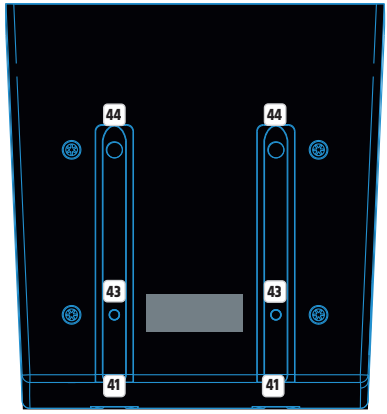
39 RELEASE BUTTON

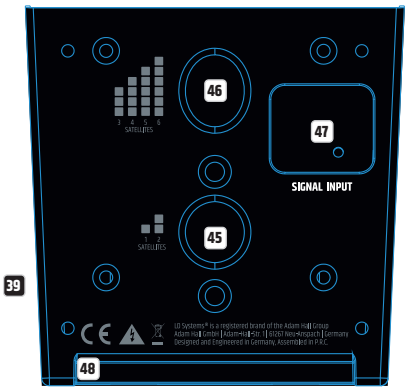
Now slide a CURV 500® satellite (LD CURV 500® SAT) from the rear onto the SmartLink® adapter (LD CURV 500® SLA) until it stops, while pressing the spring-loaded release button on the side of the satellite. Ensure that the two guide rails of the satellite (40) properly slide into the grooves (41) of the SmartLink® adapter or of the lower satellites, in order to ensure a tight fit and establish a contact for both components. Now release the button to lock the connection and to bring the button back to its original position. Proceed in the same manner as described above to add other satellites.

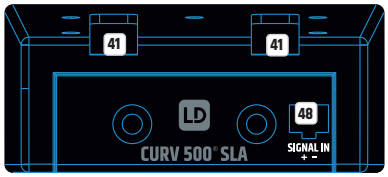
40 GUIDE RAIL LD CURV 500 SATELLITE

41 GROOVES SMARTLINK® ADAPTER OR LD CURV 500 SATELLITE









42 M3 THREAD

M3 thread to secure the LD CURV 500® satellites in permanent installations.

43 LOCKING SYSTEM

44 CONTACTS

45 SATELLITE 1 / 2

Flange for 1 to 2 satellites (upright position).

46 SATELLITE 3 / 4

Flange for 3 to 4 satellites (forward tilt position).

47 INPUT SIGNAL

Speakon-compatible speaker input. The speaker input INPUT SIGNAL (47) is parallel wired with the terminal block connector (48).

48 TERMINAL BLOCK CONNECTION

Terminal block connection for permanent installation and desktop application (terminal block included). The speaker input INPUT SIGNAL (47) is parallel wired with the terminal block connector (48).

LD CURV 500® SETS, EXPANSIONS AND ACCESSORIES

LD CURV 500® ES

Set Contents:
1 x LD CURV 500® S Subwoofer
1 x LD CURV 500® DB Distance Bar
1 x LD CURV 500® SLA SmartLink® Adapter
4 x LD CURV 500® SAT Satellite
1 x LD CURV 500® CABLE1 Speaker cable with Speakon-compatible plugs (2.2 m)
1 x Power cable



LD CURV 500® PS

Set Contents:
1 x LD CURV 500® S Subwoofer
1 x LD CURV 500® SE Subwoofer Extension
2 x LD CURV 500® DB Distance Bar
2 x LD CURV 500® SLA SmartLink® Adapter
8 x LD CURV 500® SAT Satellite
1 x LD CURV 500® CABLE3 5-pin XLR system cable (10 m)
2 x LD CURV 500® CABLE1 Speaker cable with Speakon-compatible plugs (2.2 m)
2 x Power cable



LD CURV 500® AVS(W)

Set Contents:
1 x LD CURV 500® S Subwoofer
2 x LD CURV 500® SLA SmartLink® Adapter
2 x LD CURV 500® SAT Satellite
2 x LD CURV 500® CABLE2 Speaker cable with Speakon-compatible plugs on terminal block (3 m)
1 x Power cable



LD CURV 500® PES(W)

Set Contents:
1 x LD CURV 500® SE Subwoofer Extension
1 x LD CURV 500® DB Distance Bar
1 x LD CURV 500® SLA SmartLink® Adapter
4 x LD CURV 500® SAT Satellite
1 x LD CURV 500® CABLE3 5-pin XLR system cable (10 m)
1 x LD CURV 500® CABLE1 Speaker cable with Speakon-compatible plugs (2.2 m)



LD CURV 500® STS

Set Contents:
1 x LD CURV 500® SSB Tripod base
1 x LD CURV 500® DB Spacer Bar
1 x LD CURV 500® SLA SmartLink® Adapter
1 x LD CURV 500® CABLE4 Speaker cable with Speakon-compatible plugs (8 m)



LD CURV 500® SE(W)

Subwoofer Extension including power cable



LD CURV 500® S2(W)

2 x LD CURV 500® SAT Satellite



LD CURV 500® SLA(W)

SmartLink® Adapter



LD CURV 500® SSB

Tripod base



LD CURV 500® DB
Distance bar



LD CURV 500® SS
Tripod base + Distance bar

LD CURV 500® CABLE1
Speaker cable with Speakon-compatible plugs (2.2 m)

LD CURV 500® CABLE2
Speaker cable with Speakon-compatible plugs on terminal block (3 m)

LD CURV 500® CABLE3
5-pin XLR system cable (10 m)

LD CURV 500® CABLE4
Speaker cable with Speakon-compatible plugs (8 m)

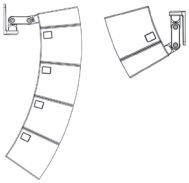
LD CURV 500® SATBAG
Carrying Case for 4 x satellite + 2 x SmartLink® Adapter

LD CURV 500® SUBPC
Transport trolley for CURV 500 ® Subwoofer

LD CURV 500® CMB
Ceiling mounting bracket for LD CURV 500® satellites



LD CURV 500® WMB(W)
Ceiling mounting bracket for CURV 500® satellites



LD CURV 500® TMB
Truss mounting adapter for CURV 500 satellites (Truss clamp not included)



SPECIFICATIONS

Model name	CURV500ES	CURV500AVS	CURV500PS
Type:	Portable array system entertainer set	Portable array system av set	Portable array system power set
Rated system power (RMS):	460 W	380 W	920 W
Number of satellites:	4	2	8
Number of adaptors:	1	2	2
Number of subwoofers:	1	1	2
Max. SPL (continuous):	122 dB	116 dB	128 dB
Max. SPL (peak):	128 dB	122 dB	134 dB
Subwoofer 500S/SE:	10" bass reflex		
Satellite:	MF: 1 x 4" / HF: 3 x 1" with WaveAhead® technology / 16 ohms		
Frequency response:	47 Hz - 20 kHz		
Dispersion (H x V):	110° horizontal, 10° vertical per satellite		
Amplification:	Class D		
Power output (RMS/peak):	Subwoofer: 300 W / 1200 W Satellite: 2 x 160 W / 2 x 640 W		Subwoofer: 300 W / 1200 W Satellite: 2 x 160 W / 2 x 640 W Subwoofer extension: 300 W / 1200 W, 1 x 160 W / 1 x 640 W (satellite)
Protection:	DSP based multiband-limiter, short circuit, overheating, over-current		
Subwoofer 500S features:	4 channel mixer, bluetooth®, 16 DFX presets, 4 system DSP presets, threaded M20 flange, 3 ergonomic handels		
Subwoofer 500SE features:			Ground lift, threaded M20 flange, 3 ergonomic handels
Subwoofer 500S controls:	Input level (Ch1-4), hi-Z, hi/low EQ (Ch1-2), DFX (Ch1-2), DFX presets, DSP presets, blutetooth link, mono/stereo, sub level, main level		
Subwoofer 500SE controls:			Ground lift
Subwoofer 500S indicators:	Signal, limit, clip, bluetooth, power		
Subwoofer 500SE indicators:			Power
Subwoofer 500S connectors:	1x Mic/Hi-Z (XLR/6.3 mm jack combo), 1x Mic (XLR/6.3 mm jack combo), 2x Line (XLR/6.3 mm jack combo), 3.5 mm jack, 2x satellite Out (speakon compatible), line Out (XLR), system out (5-pin XLR), mains in		
Subwoofer 500SE connectors:			1x satellite out (speakon compatible), system in (5-pin XLR), system out (5-pin XLR), mains In
Subwoofer 500S/SE material:	Plywood		
Subwoofer 500S/SE surface:	PA painting		
Satellite features:	WaveAhead® technology, internal crossover, metal grille, SmartLink® system		
Satellite material:	Diecast aluminum		
Satellite surface:	Powder coating		
SmartLink® adaptor features:	Dual 16 mm flange, 4x M6 thread for optional wall/ceiling/truss mount, SmartLink® system, 4x rubber feet for desktop use		
SmartLink® adaptor connectors:	1x speakon compatible, 1x terminal block		
SmartLink® adaptor material:	Diecast aluminum		
SmartLink® adaptor surface:	Powder coating		
Power supply:	SMPS with PFC		
Power connector:	IEC		
Operating voltage:	AC 100 – 240 V, 50/60 Hz		
Power consumption (max.):	900 W		
Temperature range:	0 °C – 50 °C		
Humidity range:	10 % – 70 % rel. (non condensing)		
Subwoofer dimensions (w x h x d):	325 x 383 x 491 mm		
Satellite dimensions (W x H x D):	122 x 122 x 122 mm		
SmartLink® adaptor dimensions (W x H x D):	122 x 57 x 122 mm		
Subwoofer weight:	16.5 kg		
Satellite weight:	1.73 kg		
Adaptor weight:	0.54 kg		

MANUFACTURER´S DECLARATIONS

MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY
You can find our current warranty conditions and limitations of liability at: https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS_LD_SYSTEMS.pdf To request warranty service for a product, please contact Adam Hall GmbH, Adam-Hall-Str. 1, 61267 Neu Anspach / Email: Info@adamhall.com / +49 (0)6081 / 9419-0.



CORRECT DISPOSAL OF THIS PRODUCT
(valid in the European Union and other European countries with a differentiated waste collection system)
This symbol on the product, or on its documents indicates that the device may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity. Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

FCC STATEMENT
1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference, and
   (2) This device must accept any interference received, including interference that may cause undesired operation
2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE Compliance
Adam Hall GmbH states that this product meets the following guidelines (where applicable):
R&TTE (1999/5/EC) or RED (2014/53/EU) from June 2017
Low voltage directive (2014/35/EU)
EMV directive (2014/30/EU)
RoHS (2011/65/EU)
The complete declaration of conformity can be found at www.adamhall.com.
Furthermore, you may also direct your enquiry to info@adamhall.com.

UKCA-Conformity
Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable)
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016 (SI 2016/1091)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation 2012 (SI 2012/3032)
Radio Equipment Regulations 2017 (SI 2016/2015)

UKCA-Declaration of Conformity
Products that are subject to Electrical Equipment (Safety) Regulation 2016, EMC Regulation 2016 or RoHS Regulation can be requested at info@adamhall.com.
Products that are subject to the Radio Equipments Regulations 2017 (SI2017/1206) can be downloaded from **www.adamhall.com/compliance/**

EU DECLARATION OF CONFORMITY
Hereby, Adam Hall GmbH declares that this radio equipment type is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address: **www.adamhall.com/compliance/**

Misprints and errors, as well as technical or other changes are reserved!

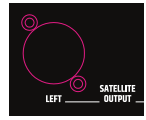
CONFIGURATION EXAMPLES / KONFIGURATIONSBEISPIELE / EXEMPLES DE CONFIGURATION / EJEMPLOS DE CONFIGURACIÓN / PRZYKŁADY KONFIGURACJI / ESEMPI DI CONFIGURAZIONE / 设置示例 / 設定範例

LD CURV 500° ES (Mono)







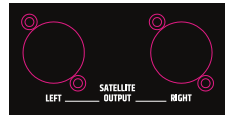


LD CURV 500° PS (Stereo)









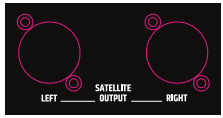
LDCURV500S LDCURV500SE

LD CURV 500® ES + LD CURV 500® STS (Stereo)







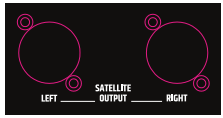


LD CURV 500® AVS (Stereo)







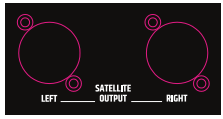


LD CURV 500® ES + LD CURV 500® STS + 2x LD CURV 500® S2









LD systems

LD-SYSTEMS.COM

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REV: 06