



array
reinvented.

CURV[®]₅₀₀



**PRO AUDIO
IN MOTION**

DESIGNED & ENGINEERED
IN GERMANY



CONNECT THESE 3 FOR EXCELLENCE



Up to 4 CURV 500® Array Satellites

CURV 500® SmartLink® Adapter

The CURV 500® is an innovative system, uniquely combining portability, sound perfection and ease of use. The system comprises 3 components that can be connected with ease.

It is based around the SmartLink® adapter. Up to four Array Satellites can be effortlessly interconnected with the LD Systems-patented click mechanism delivering plug-and-play convenience. The adapter also provides the connection to the subwoofer, which serves as a control unit for the entire system, acting both as traditional bass box and mixing desk.

+



CURV 500® Subwoofer with control panel

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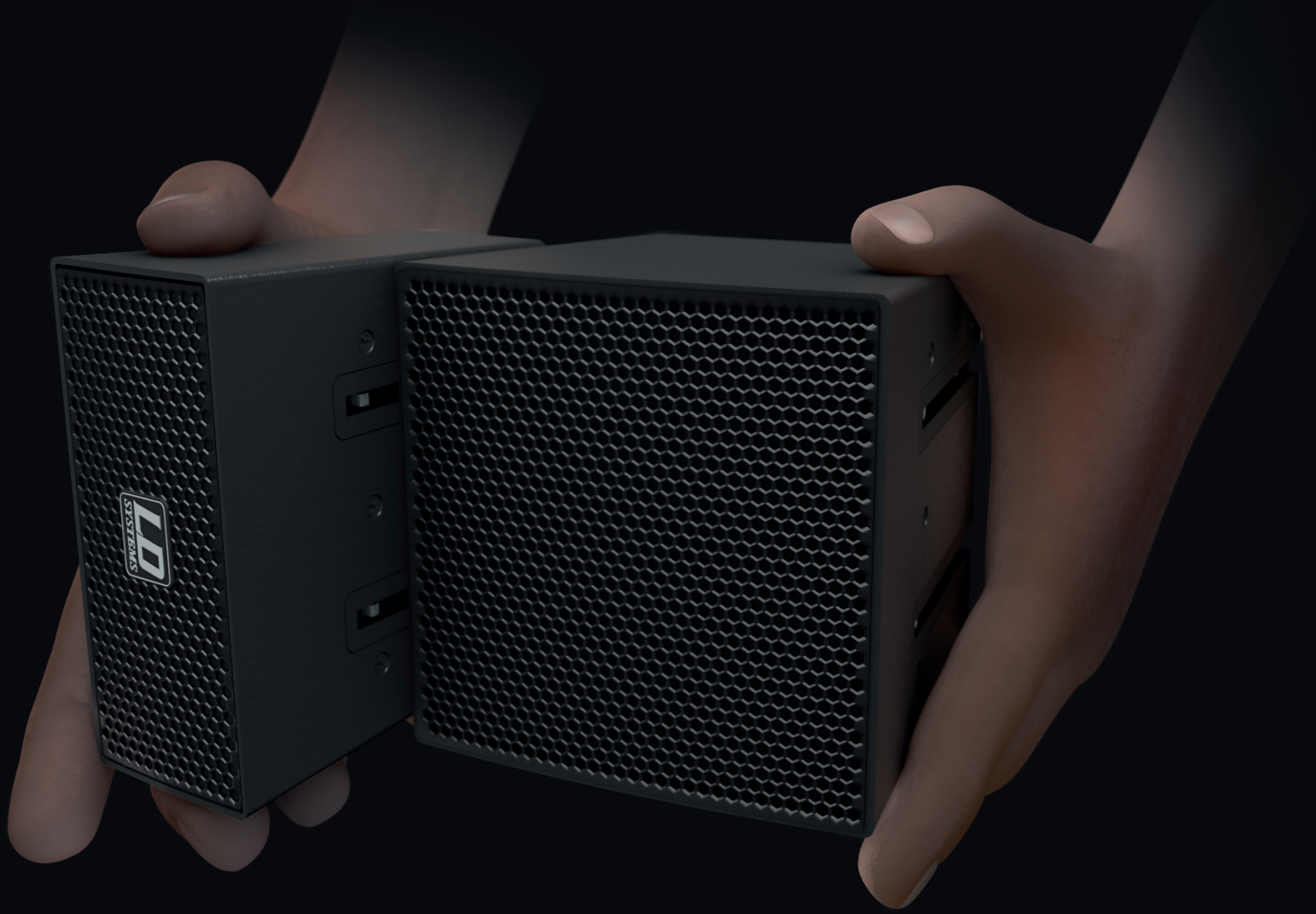


CURV 500®
Portable Array System
Entertainer Set

GUESS WHY IT'S CALLED "SMARTLINK®"?



The innovative SmartLink® adapter forms the basis of the system. On top of that up to four Array Satellites can be effortlessly interconnected with the LD Systems-patented click mechanism: simply press the connection button, join the two modules by their guide rails and release the button to engage.



Easy-Click? Plug-and-Play? Whatever. Connected in 2 seconds is what counts. That's at least what our engineers thought. The mechanical connection also provides signal transmission; no other cables are needed.



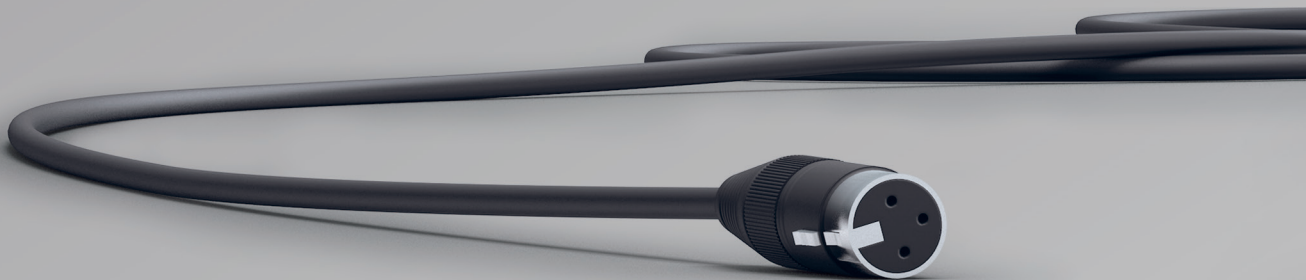
The speaker columns are equipped with up to four modular array satellites arranged in a curve. The result is extremely clear, three-dimensional sound – similar to the sound generated by large line arrays.

SIZE: XS
SOUND: XL!

Even a single 12 x 12 cm array satellite produces excellent sound results. This is guaranteed by LD Systems' in-house developed WaveAhead® technology, whereby three tweeters are arranged vertically in front of a high power fullrange driver, perfectly blending and dispersing the sound.



SOUND TO GO.

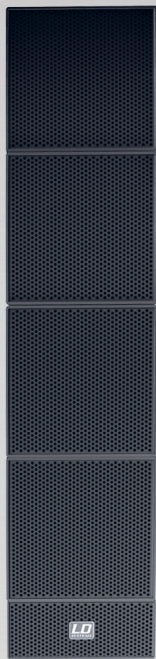


The CURV 500® is the first truly portable modular array system. Sophisticated technology, elegant design and a modularity that enables it to be transported conveniently and compactly.



Actual Size

A masterpiece of design technology and simplicity: the aluminium unibody construction of the CURV 500® array satellites sets new standards and is an essential component of the system's outstanding audio quality.



Singer-songwriters, jazz musicians, entertainers, speakers: everyone loves technology that fits into any trunk, is simply to assemble and produces the very best results. Like the new CURV 500®.



The integrated 4-channel mixing desk provides connectivity for microphones, instruments and laptops. Its built-in Bluetooth® technology permits wireless data transmission from smartphones or tablets and digital sound effects can also be generated via the 24-bit processor.

DESIGNED TO MAKE YOUR LIFE EASIER.

Subwoofer with integrated 4-Channel Mixer


Inputs

1x Mic/Hi-Z
(XLR/6,3mm Jack Combo)
1x Mic
(XLR/6,3mm Jack Combo)
2x Line
(XLR/6,3mm Jack Combo)
3,5 mm Jack

Outputs

2 x Array Satellite Out
(Speakon compatible)
Line Out (XLR)
System Out (5-pin XLR)

Features

DFX (Ch1-2)
DFX Presets
DSP Presets
Bluetooth® Link 
Mono/Stereo
Sub Level
Main Level



back view



top view


POWER TO THE PEOPLE.

The CURV 500® is an all-rounder – for music and for speaking. It provides a big live music sound, is a DJ's high-performance powerhouse and delivers clear spoken words and lectures. Thanks to its versatility, it is also ideal for use on exhibition stands, in clubs and smaller spaces. It represents an ideal, ultra-portable unit for stand-alone entertainers, bands and speakers and always delivers the right sound. One way or another: the audience listens. With pleasure.





Extremely high-performance
as a double pack:
the CURV 500® Power Set.

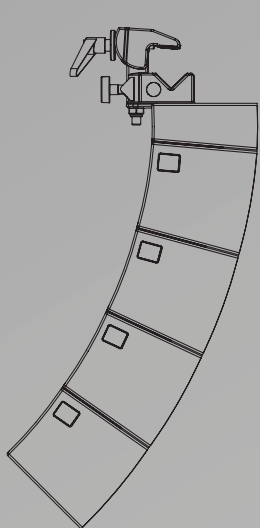


The CURV 500® feels at home wherever there's music playing: in bars, clubs, studios and even as a home entertainment system. It can be permanently installed with versatile wall and ceiling bracket systems wherever perfect sound quality is called for. This is where the benefits of the compact CURV 500® come into their own.

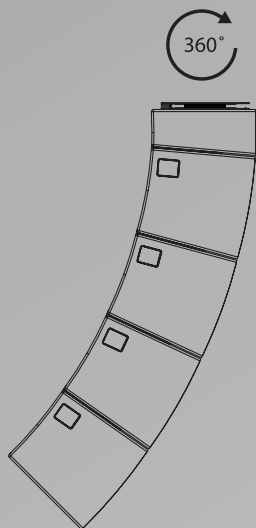
(CURV 500®AVS also available in white!)

One system – several options. The CURV 500® can be installed on the wall or ceiling, depending on the configuration of the space. Up to 4 Array Satellites can be combined, in ascending or descending order, using the discreet fixing modules and the phoenix connectors on the rear side of the SmartLink® adapter. Whatever works best!

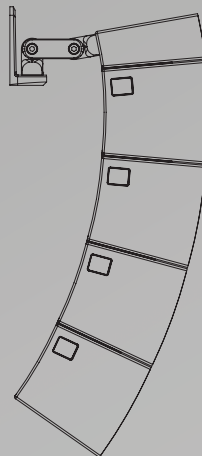
GREAT SOUND CAN BE INSTALLED.



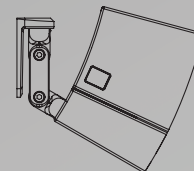
CURV 500 TMB
Clamp for Truss



CURV 500 CMB
Ceilingmount

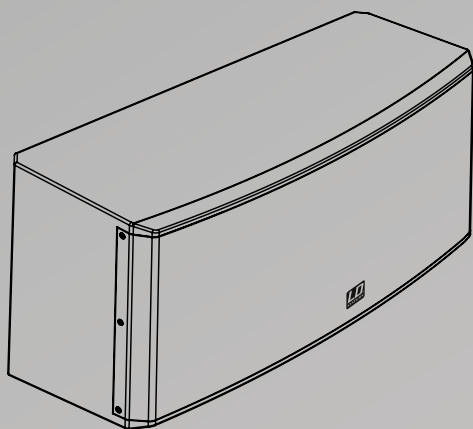


CURV 500 WMB /W
Wallmount downward

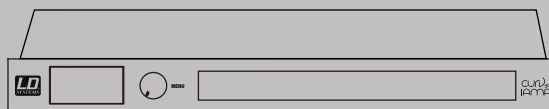


Wallmounted upward

The brackets can be fixed to the wall or ceiling. Wall-mounted, the line array can be assembled from the floor up or even suspended.



CURV 500 ISUB
10" Installation subwoofer



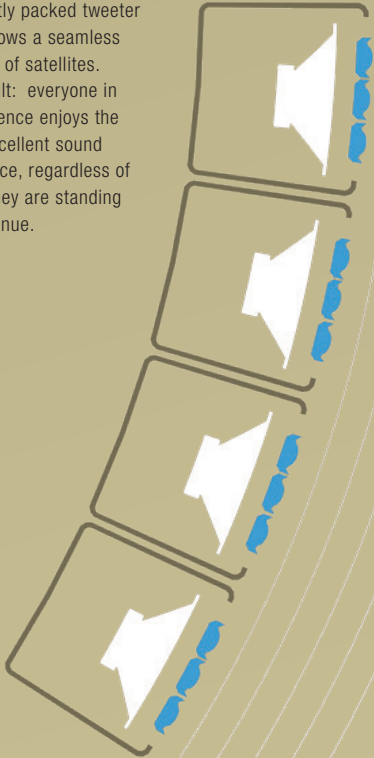
CURV 500 IAMP
4-Channel installation amplifier

BIG TECHNOLOGY: COMPACT DIMENSIONS

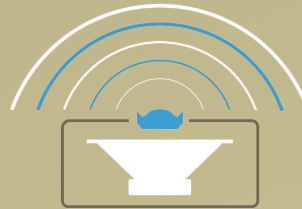


LD Systems' WaveAhead® technology places a vertical tweeter array in front of a high-performance full range transducer. This proprietary design reduces reflections from ceilings and floors resulting in clear, consistent coverage.

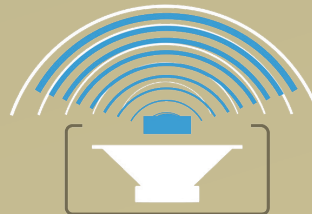
The tightly packed tweeter array allows a seamless coupling of satellites. The result: everyone in the audience enjoys the same excellent sound experience, regardless of where they are standing in the venue.



Loudspeaker with WaveAhead® technology

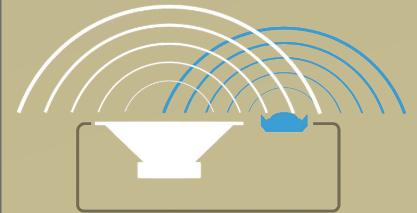


Symmetrical horizontal dispersion

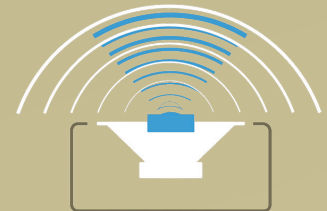


Wide dispersion of mid and high frequencies

Conventional loudspeaker



Asymmetrical horizontal dispersion



Wide dispersion of mid frequencies, narrow dispersion of high frequencies

The coaxial arrangement of the WaveAhead® technology solves the interference issues of conventional loudspeakers and allows for a wide and even sound dispersion. With this unique setup you get the best of both worlds, an extra large sound coverage and a very compact design.

SPECIFICATIONS

MODEL NAME	CURV 500°ES	CURV 500°AVS	CURV 500°PS
TYPE:	Portable Array System Entertainer Set Including Distance Bar & Speaker Cable	Portable Array System AV Set Including Speaker Cables	Portable Array System Power Set Including Distance Bars & Speaker Cables
RATED SYSTEM POWER (RMS):	460 W	380 W	920 W
NUMBER OF ARRAY SATELLITES:	4	2	8
NUMBER OF SMARTLINK® ADAPTERS:	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:	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 FEATURES:	4 channel mixer, Bluetooth®, 16 DFX Presets, 4 System DSP Presets, threaded M20 Flange, 3 ergonomic handles		
SUBWOOFER CONTROLS:	Input Level (Ch1-4), Hi-Z, Hi/Low EQ (Ch1-2), DFX (Ch1-2), DFX Presets, DSP Presets, Bluetooth Link, Mono/Stereo, Sub Level, Main Level		
SUBWOOFER INDICATORS:	Signal, Limit, Bluetooth®, Power		
SUBWOOFER CONNECTORS:	1x Mic/Hi-Z (XLR/6,3mm Jack Combo), 1x Mic (XLR/6,3mm Jack Combo), 2x Line (XLR/6,3mm Jack Combo), 3,5mm Jack, 2 x Array Satellite Out (Speakon compatible), Line Out (XLR), System Out (5-pin XLR)		
SUBWOOFER MATERIAL:	Plywood		
SUBWOOFER SURFACE:	PA Painting		
ARRAY SATELLITE FEATURES:	WaveAhead® Technology, internal crossover, metal grille, thread for safety rope.		
ARRAY SATELLITE MATERIAL:	Diecast Aluminium		
ARRAY SATELLITE SURFACE:	Powder coating		
SMARTLINK® ADAPTER FEATURES:	dual 16 mm fange, 2x M6 thread for optional wall mount, 4x Thread for optional ceiling mount		
SMARTLINK® ADAPTER CONNECTORS:	1x Speakon compatible, 1x Phoenix		
SMARTLINK® ADAPTER MATERIAL:	Diecast Aluminium		
SMARTLINK® ADAPTER SURFACE:	Powder coating		
SUBWOOFER DIMENSIONS (W X H X D):	325 x 383 x 491 mm		
ARRAY SATELLITE DIMENSIONS (W X H X D):	122 x 122 x 122 mm		
SMARTLINK® ADAPTER DIMENSIONS (W X H X D):	122 x 57 x 122 mm		
SUBWOOFER WEIGHT:	16,5 kg		
ARRAY SATELLITE WEIGHT:	1,7 kg		
SMARTLINK® ADAPTER WEIGHT:	0,6 kg		

MODEL NAME	CURV 500 [®] IAMP
TYPE:	4-Channel DSP controlled amplifier
RATED OUTPUT POWER (1 KHZ @ 2 OHM):	4 x 500 W
RATED OUTPUT POWER (1 KHZ @ 4 OHM):	4 x 300 W
RATED OUTPUT POWER (1 KHZ @ 8 OHM):	4 x 150 W
AMPLIFICATION:	Class D
FREQUENCY RESPONSE:	20 Hz - 20000 Hz
THD:	< 0,1 %
PROTECTION CIRCUITS:	Over-current, soft-Start, DC, thermal overload, short circuit
CONTROLS:	Push encoder
INDICATORS:	OLED graphic display
MAXIMUM DELAY / CHANNEL:	48 m
EQ:	8 x Parametric / Channel
LINE INPUTS:	4
LINE INPUT CONNECTORS:	XLR (symmetrical)
LOUDSPEAKER OUTPUTS:	4
SPEAKER OUTPUT CONNECTIONS:	Speakon compatible, terminal block (phoenix)
COOLING:	Temperature-controlled low-noise fan
OPERATING VOLTAGE:	Switching power supply, 115 V AC / 230 V AC (automatic switchable)
POWER CONSUMPTION @ FULL LOAD:	1000 W
DIMENSIONS (W X H X D):	482 X 44 X 350 mm
WEIGHT:	4,2 kg

MODEL NAME	CURV 500 [®] ISUB
TYPE:	10" installation subwoofer
PRODUCT NUMBER:	LDCURV500ISUB
PRODUCT TYPE:	Installation subwoofer
TYPE:	Passive
LOW DRIVER DIMENSIONS:	10"
LOAD RATING (RMS):	300 W
FREQUENCY RESPONSE:	47 Hz - 150 Hz
IMPEDANCE:	4 Ohms
LOUDSPEAKER INPUTS:	2 x Speakon compatible , 1 x terminal block (phoenix)
CABINET MATERIAL:	15 mm MDF
CABINET SURFACE:	Texture paint
COLOR:	Black or white
CABINET CONSTRUCTION:	Bassreflex
DIMENSIONS (W X H X D):	610 X 310 X 230 mm
WEIGHT:	14,5 kg
FEATURES:	Low profile ceiling/ wall mounting bracket

SETS & EXTENSIONS



CURV 500 ES
Portable Array System
Entertainer Set



CURV 500 PS
Portable Array System
Power Set



CURV 500 AVS W
Portable Array System
A/V Set



CURV 500 AVS
Portable Array System
A/V Set



CURV 500 PES

Power Extension Set composed of 1 Subwoofer Extension + 4 Array Satellites + SmartLink® Adapter + Distance Bar + Speaker Cable.



CURV 500 STS

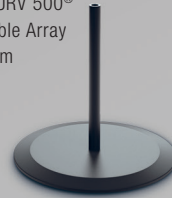
Stereo Set composed of a SmartLink® Adapter + distance bar + Speaker stand base + Cable.



CURV 500 SLA /W
SmartLink® adapter for CURV 500® portable Array System



CURV 500 DB
Distance Bar for CURV 500® portable Array System

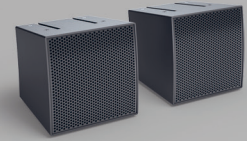


CURV 500 SSB
Speaker Stand Base for CURV 500® portable Array System

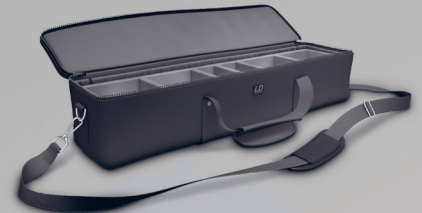


CURV 500 SE

Subwoofer Extension for CURV 500® portable Array System



CURV 500 S2 /W
2 x Array Satellites for CURV 500® portable Array System



CURV 500 SAT BAG
Satellites Transport Bag for 4 CURV 500® Satellites

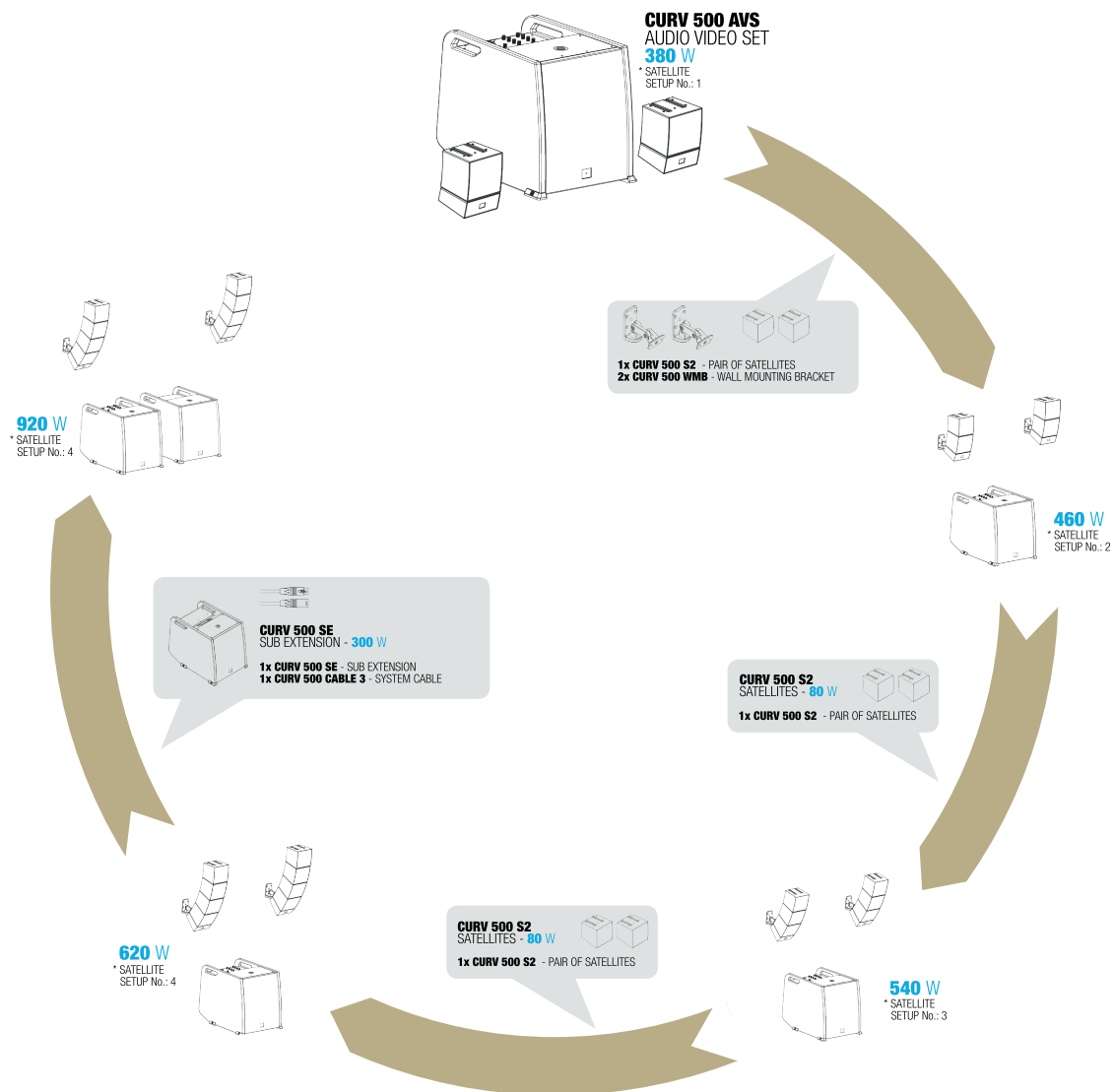


CURV 500 SUB PC

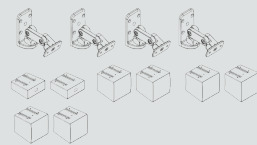
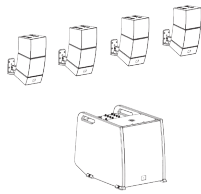
Transport Trolley for CURV 500® Subwoofer

AUDIO VIDEO SET CONFIGURATION GUIDE

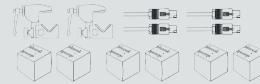
SCALABILITY - MORE POWER



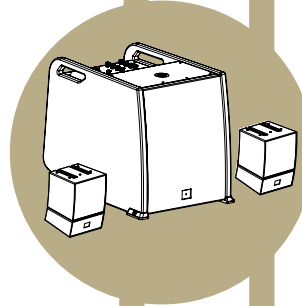
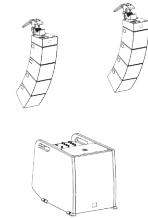
FLEXIBILITY - MORE APPLICATIONS



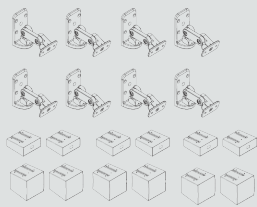
4x CURV 500 WMB - WALL MOUNTING BRACKET
2x CURV 500 SLA - SMARTLINK® ADAPTER
3x CURV 500 S2 - PAIR OF SATELLITES



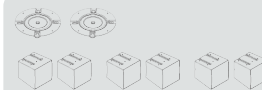
2x CURV 500 TMB - TRUSS MOUNTING BRACKET
3x CURV 500 S2 - PAIR OF SATELLITES
2x CURV 500 CABLE 4 - SPEAKER CABLE



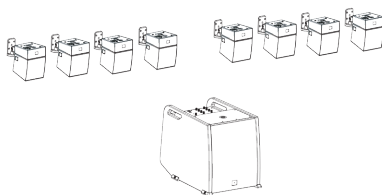
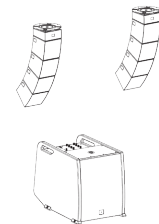
CURV 500 AVS AUDIO VIDEO SET



8x CURV 500 WMB - WALL MOUNTING BRACKET
6x CURV 500 SLA - SMARTLINK® ADAPTER
3x CURV 500 S2 - PAIR OF SATELLITES

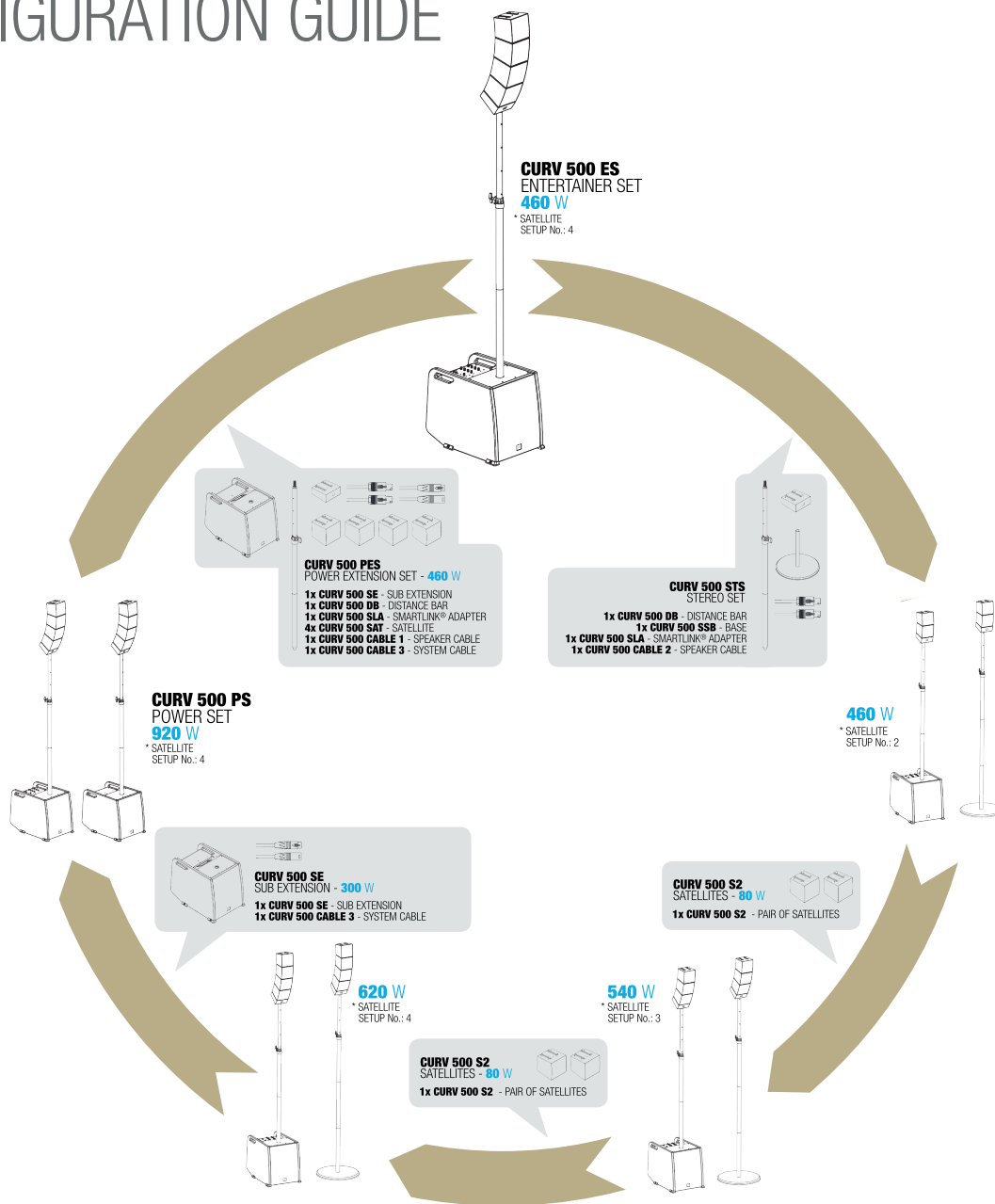


2x CURV 500 CMB - CEILING MOUNTING BRACKET
3x CURV 500 S2 - PAIR OF SATELLITES

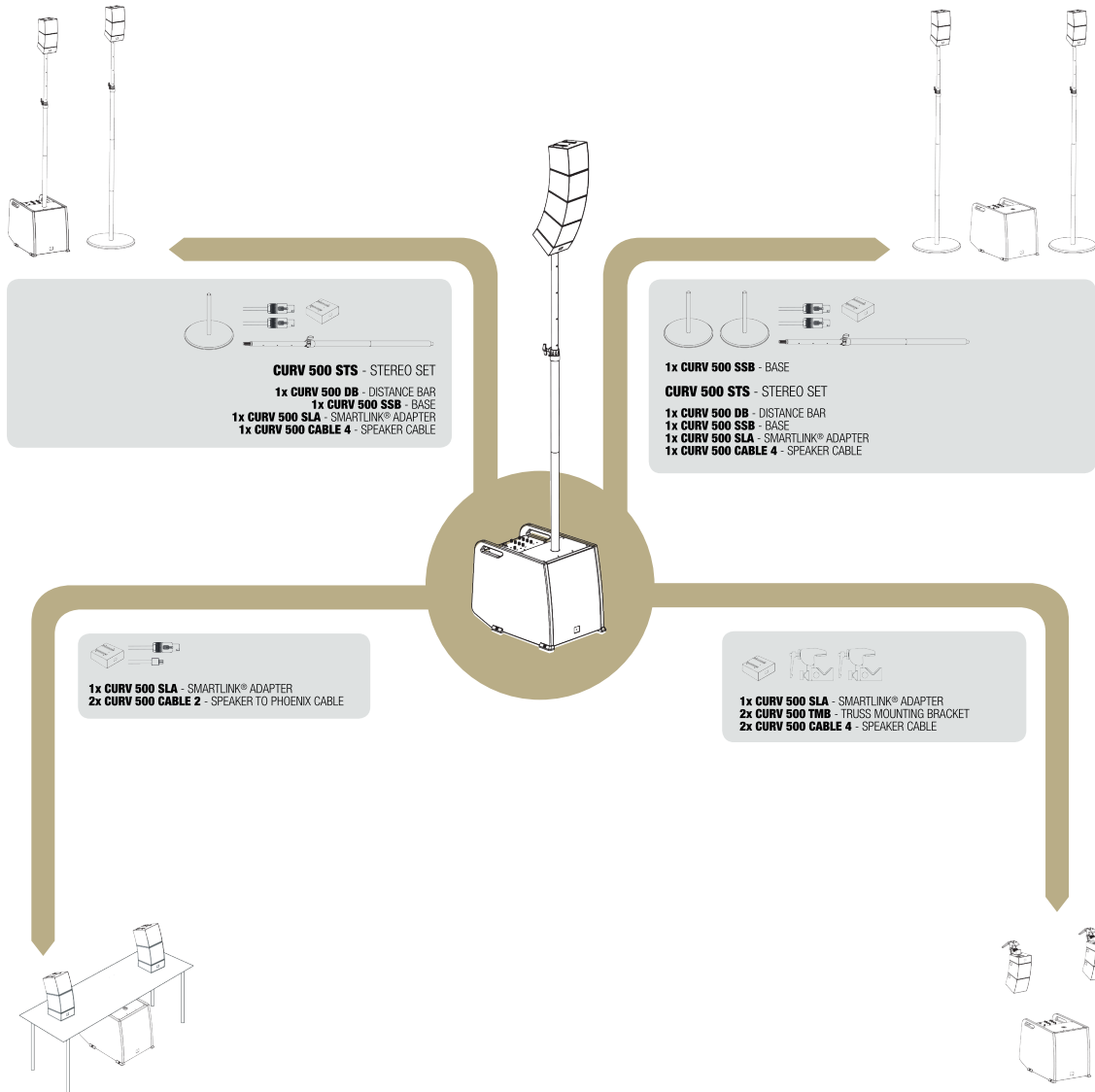


ENTERTAINER SET CONFIGURATION GUIDE

SCALABILITY - MORE POWER

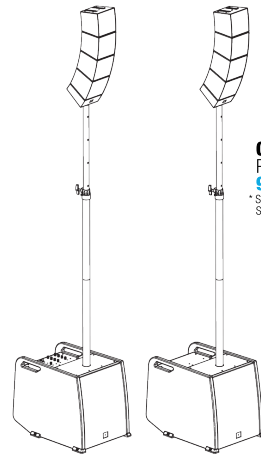


FLEXIBILITY - MORE APPLICATIONS



POWER SET CONFIGURATION GUIDE

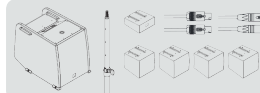
SCALABILITY - MORE POWER



CURV 500 PS POWER SET

920 W
* SATELLITE
SETUP No.: 4

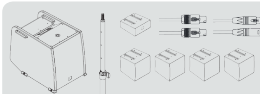
STEREO



CURV 500 PES POWER EXTENSION SET - 460 W

1x CURV 500 SE - SUB EXTENSION
1x CURV 500 DB - DISTANCE BAR
1x CURV 500 SLA - SMARTLINK® ADAPTER
4x CURV 500 SAT - SATELLITE
1x CURV 500 CABLE 1 - SPEAKER CABLE 2.2 m
1x CURV 500 CABLE 3 - SYSTEM CABLE 10 m

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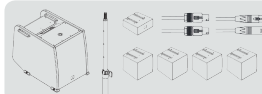
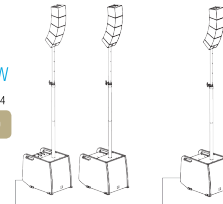


CURV 500 PES POWER EXTENSION SET - 460 W

1x CURV 500 SE - SUB EXTENSION
1x CURV 500 DB - DISTANCE BAR
1x CURV 500 SLA - SMARTLINK® ADAPTER
4x CURV 500 SAT - SATELLITE
1x CURV 500 CABLE 1 - SPEAKER CABLE 2.2 m
1x CURV 500 CABLE 3 - SYSTEM CABLE 10 m

1380 W
* SATELLITE
SETUP No.: 4

MONO

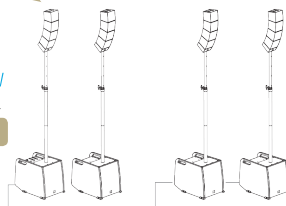


CURV 500 PES POWER EXTENSION SET - 460 W

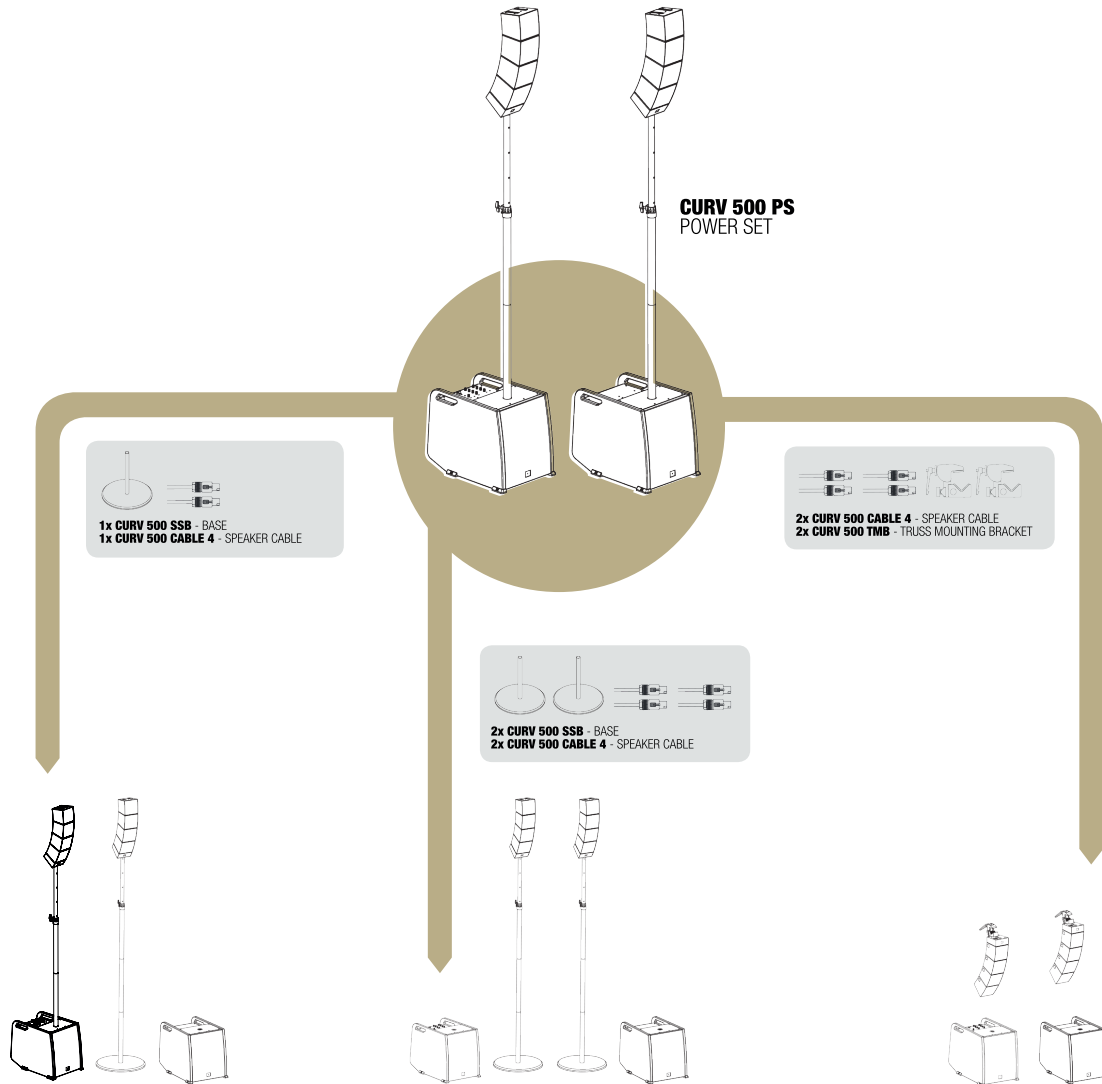
1x CURV 500 SE - SUB EXTENSION
1x CURV 500 DB - DISTANCE BAR
1x CURV 500 SLA - SMARTLINK® ADAPTER
4x CURV 500 SAT - SATELLITE
1x CURV 500 CABLE 1 - SPEAKER CABLE 2.2 m
1x CURV 500 CABLE 3 - SYSTEM CABLE 10 m

1840 W
* SATELLITE
SETUP No.: 4

MONO



FLEXIBILITY - MORE APPLICATIONS



AWARD WINNING DESIGN MADE PORTABLE.



GERMAN
DESIGN
AWARD
WINNER
2016



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