LDsystems LD®

your sound. our mission.

CURV 500® SERIES
INSTALL SOLUTIONS

CONFIGURATION GUIDE

CURV 500® I AMP
CURV 500® SPEAKERS

CURV 500® INSTALL
## TABLE OF CONTENTS

BISTRO

Bistros, cafés, clubs or restaurants often require audio systems with a multi-zone layout. The modular design of the **CURV 500®** installation system enables individual configurations for each zone ranging from subtle background music to dancefloor levels while keeping the same excellent sonic signature throughout the installation.

BISTRO MEDIUM BUNDLE
12 SATELLITES AND 2 SUBWOOFERS
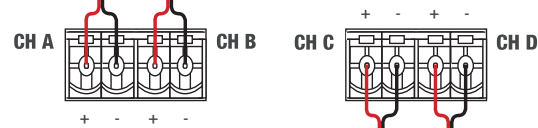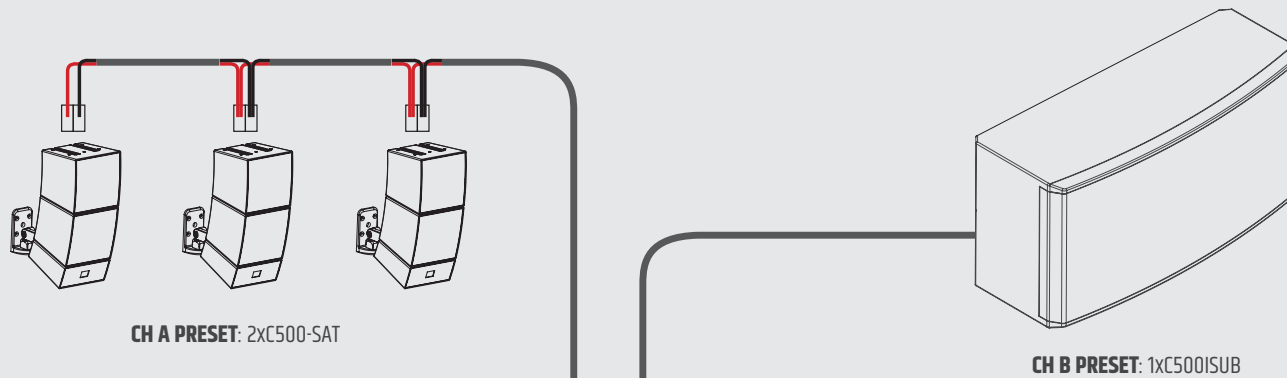
ZONE 1

CH A PRESET: 2xC500-SAT

CH B PRESET: 1xC500ISUB

CH A   CH B   CH C   CH D

+   -   +   -   +   -   +   -

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
internal routing matrix.

ZONE 2

CH C PRESET: 2xC500-SAT

CH D PRESET: 1xC500ISUB
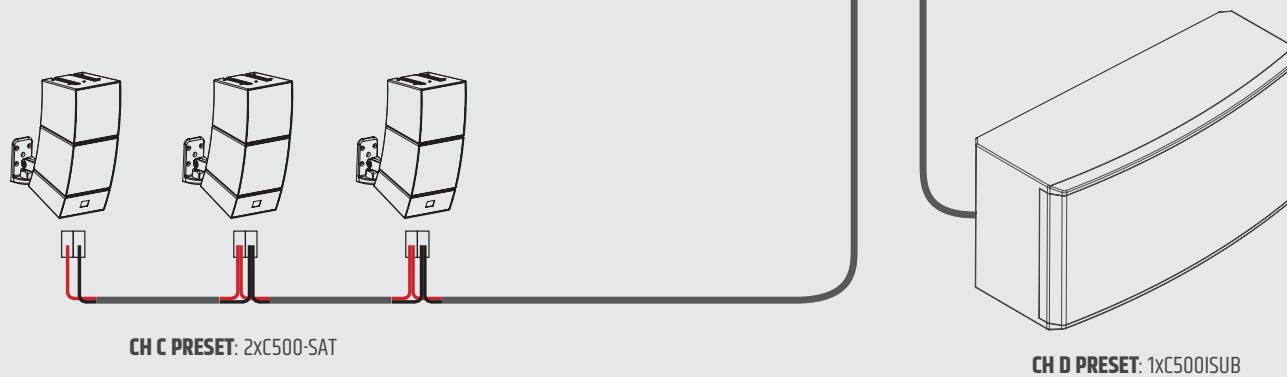
BISTRO MAX BUNDLE
12 SATELLITES AND 2 SUBWOOFERS

ZONE 1

CH A PRESET: 1xC500-SAT

CH B PRESET: 1xC500ISUB

CH A   CH B   CH C   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
internal routing matrix.

ZONE 2

CH C PRESET: 1xC500-SAT

CH D PRESET: 1xC500ISUB
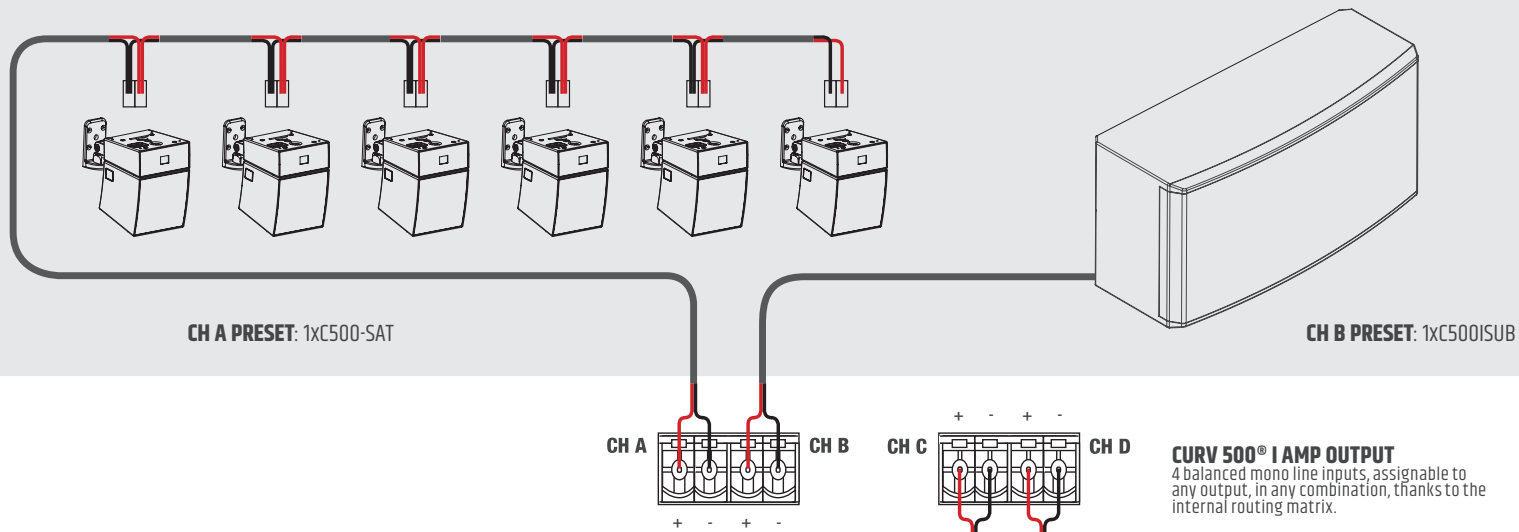
CONFERENCE

In addition to excellent speech intelligibility, conference and meeting room audio systems must deliver superb sound reproduction for multimedia applications. With its modular design and elegant appearance, the **CURV 500®** is the perfect choice for all installation sizes from small meeting rooms to large multipurpose spaces.

CONFERENCE MEDIUM BUNDLE
8 SATELLITES AND 1 SUBWOOFER

FRONT

CH A PRESET: 2xC500-SAT

CH B PRESET: 2xC500-SAT

CH A   CH B   CH C   CH D

+   -   +   -   +   -   +   -

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to any output, in any combination, thanks to the internal routing matrix.

REAR

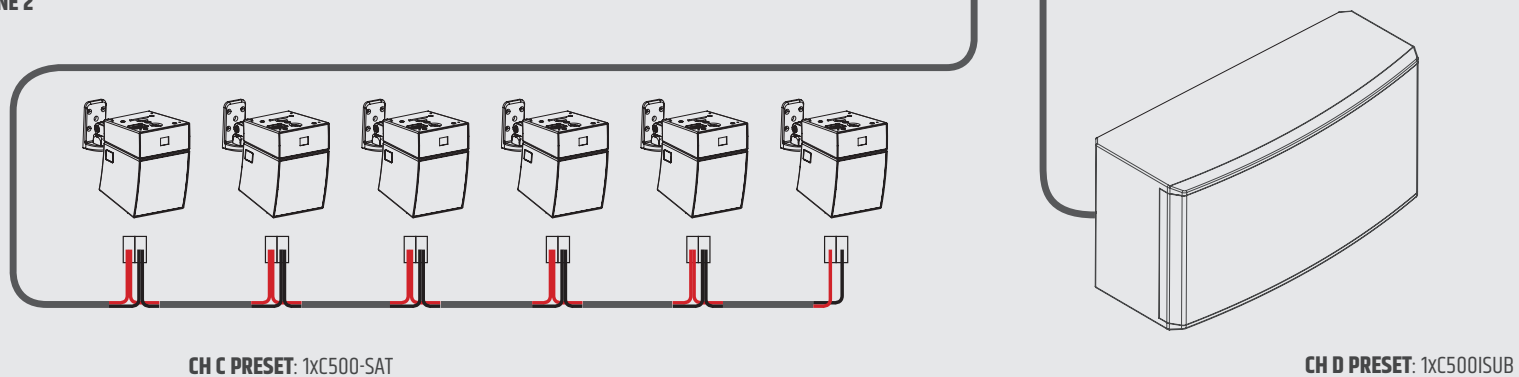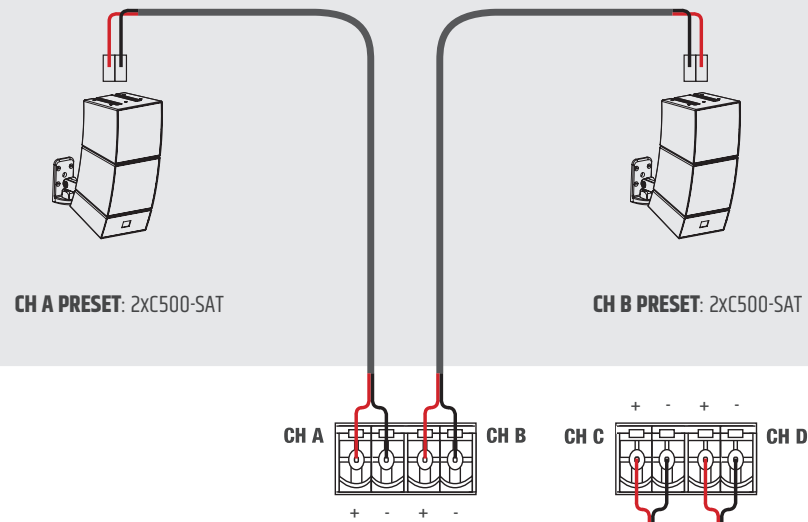**CH C PRESET**: 2xC500-SAT

CH D PRESET: 1xC500ISUB

7

CONFERENCE MAX BUNDLE
12 SATELLITES AND 2 SUBWOOFERS

ZONE 1 / FRONT

CH A PRESET: 3xC500-SAT
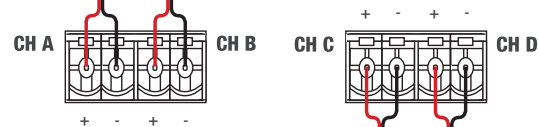
CH B PRESET: 1xC500ISUB

CH A

CH B

CH C

CH D

+   -   +   -

+   -   +   -

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
internal routing matrix.

ZONE 2 / REAR
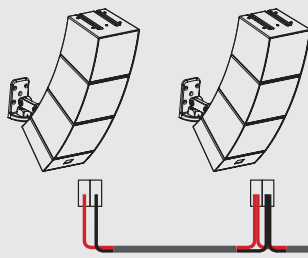
CH C PRESET: 3xC500-SAT
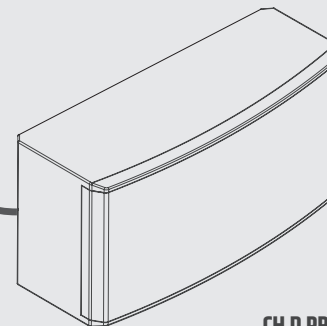
CH D PRESET: 1xC500ISUB

VOICE

Audio installations for speech reproduction only such as those in lecture rooms typically do not require sub frequency reinforcement. The **CURV 500®** system's **I AMP** provides delay compensation per channel to ensure maximum speech intelligibility, imaging and sound quality throughout the installation.

VOICE MEDIUM BUNDLE
24 SATELLITES

ZONE 1

CH A PRESET: 3xC500-SAT

CH B PRESET: 3xC500-SAT

CH A   CH B   CH C   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
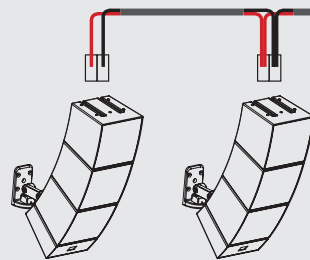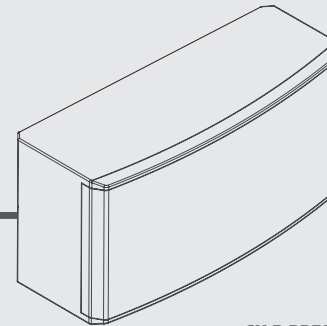any output, in any combination, thanks to the
internal routing matrix.

ZONE 3

CH C PRESET: 3xC500-SAT

CH D PRESET: 3xC500-SAT

VOICE MAX BUNDLE
24 SATELLITES

CH A PRESET: 1xC500-SAT

CH B PRESET: 1xC500-SAT

CH A   CH B   CH C   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to any output, in any combination, thanks to the internal routing matrix.
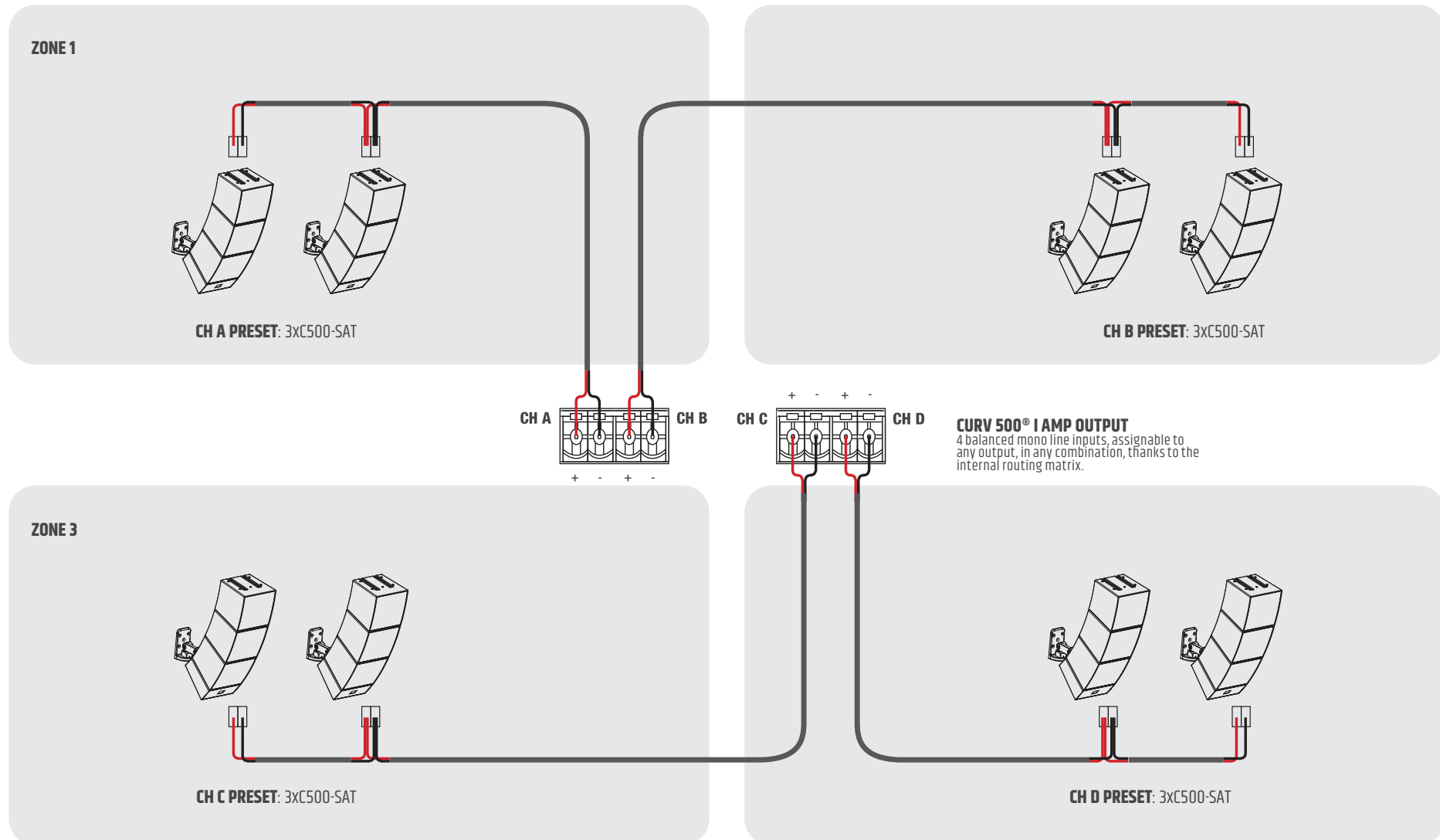
CH C PRESET: 1xC500-SAT

CH D PRESET: 1xC500-SAT

11
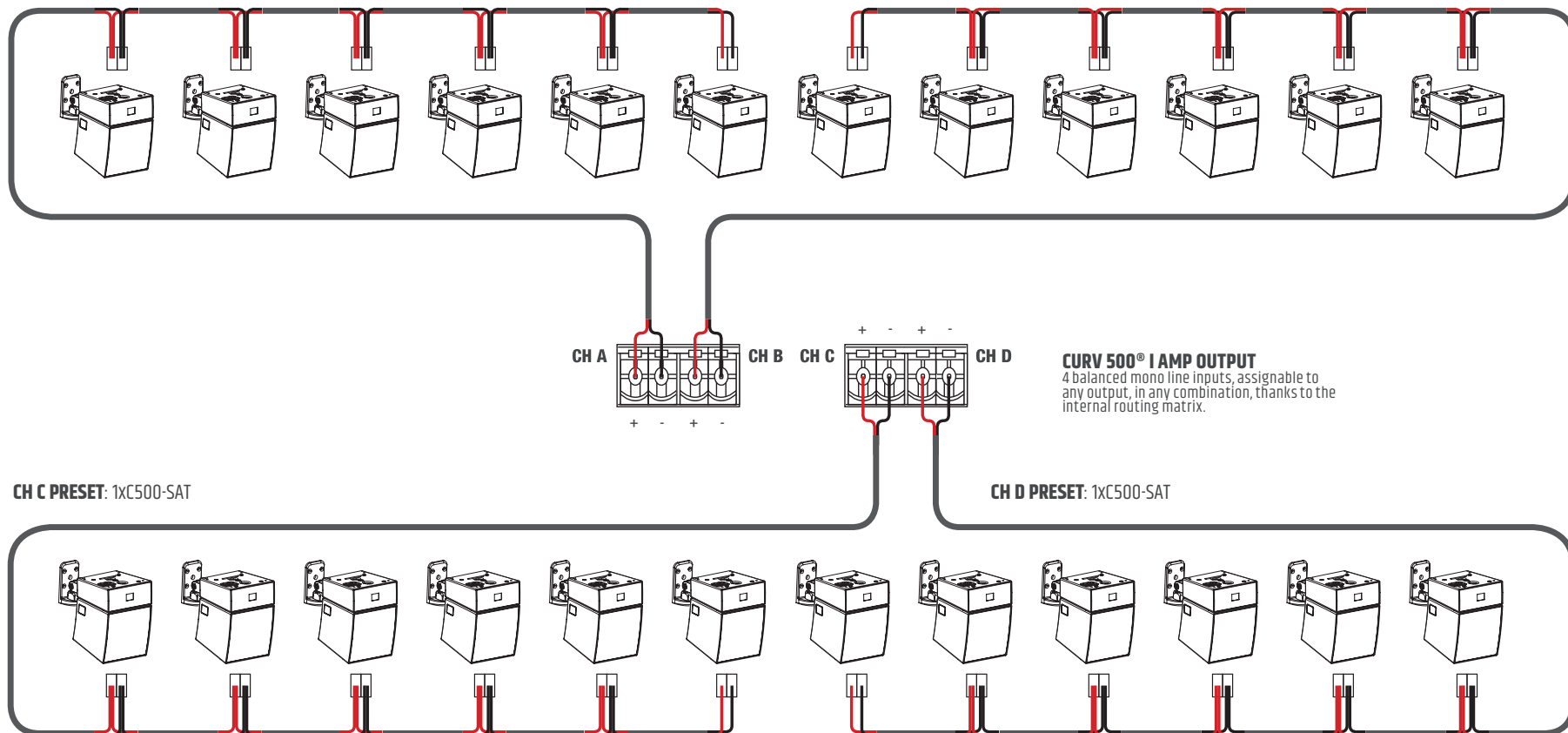
70V EXAMPLE

The **CURV 500® I AMP** includes 70V output to deliver audio to a large number of speakers.
This permits setting up a distributed system by daisy-chaining a maximum of 24 satellites to bridged channel A and B outputs, or bridged channel C and D outputs. The satellites can be wired individually or in groups of 2, 3 or 4 units.

70V EXAMPLE - 1 SATELLITE SET
MAX. 24 SATELLITES PER BRIDGED OUTPUT
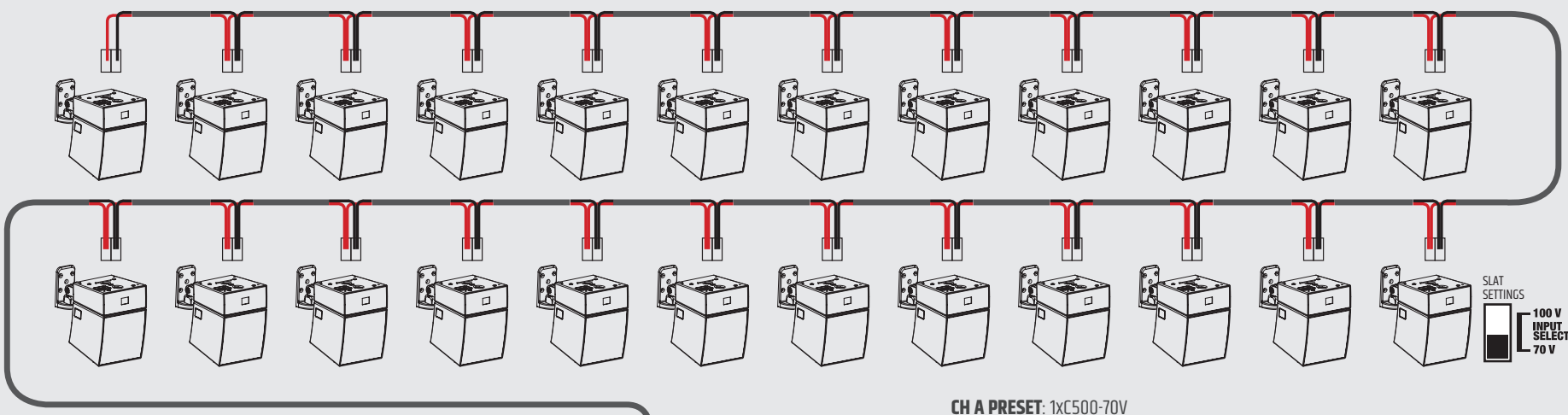
ZONE 1 - SATELLITES

SLAT SETTINGS

100 V
INPUT SELECT
70 V

CH A PRESET: 1xC500-70V

CH A   CH B   CH C   CH D

+   -   +   -
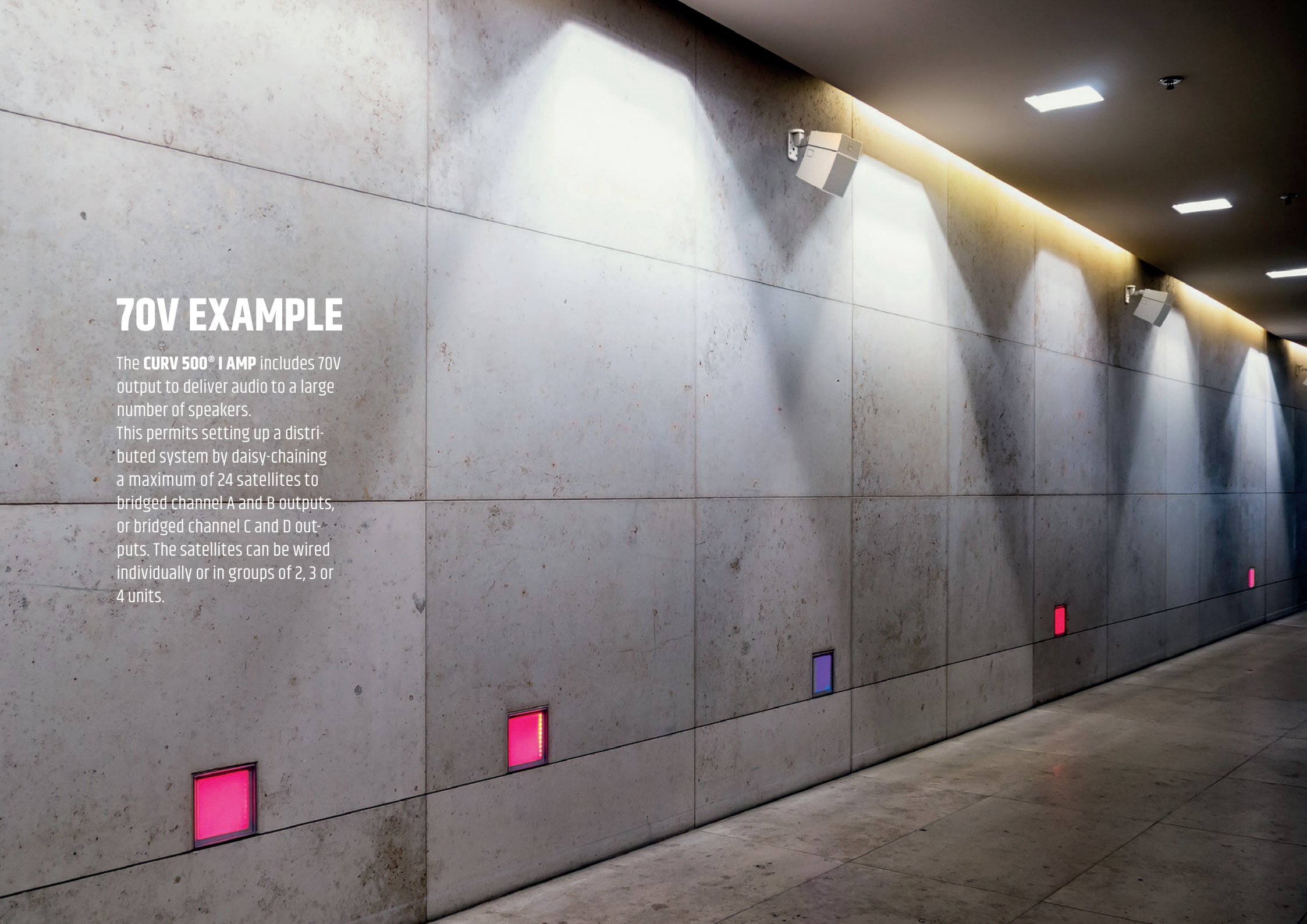
CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to any output, in any combination, thanks to the internal routing matrix.

+   -   +   -

ZONE 1 - SUBWOOFERS
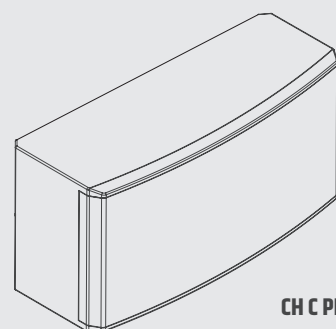
CH C PRESET: 1xC500ISUB

CH D PRESET: 1xC500ISUB

70V EXAMPLE - 2 SATELLITE SETS
MAX. 24 SATELLITES PER BRIDGED OUTPUT

ZONE 1 - SATELLITES

SLAT
SETTINGS

100 V
INPUT
SELECT
70 V

CH A PRESET: 2xC500-70V

CH A   CH B   CH C   + - + -   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
internal routing matrix.

ZONE 1 - SUBWOOFERS
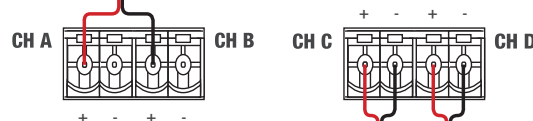
CH C PRESET: 1xC500ISUB

CH D PRESET: 1xC500ISUB

70V EXAMPLE - 3 SATELLITE SETS
MAX. 24 SATELLITES PER BRIDGED OUTPUT

ZONE 1 - SATELLITES

SLAT
SETTINGS

100 V
INPUT SELECT
70 V
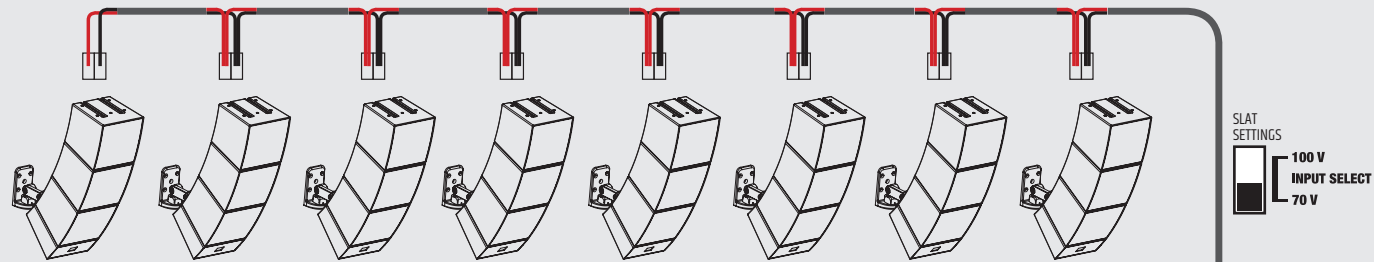
CH A PRESET: 3xC500-70V

CH A   CH B   CH C   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
internal routing matrix.

ZONE 1 - SUBWOOFERS

CH C PRESET: 1xC500ISUB

CH D PRESET: 1xC500ISUB

15
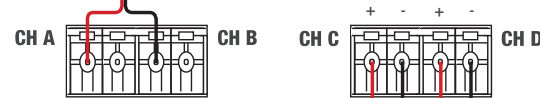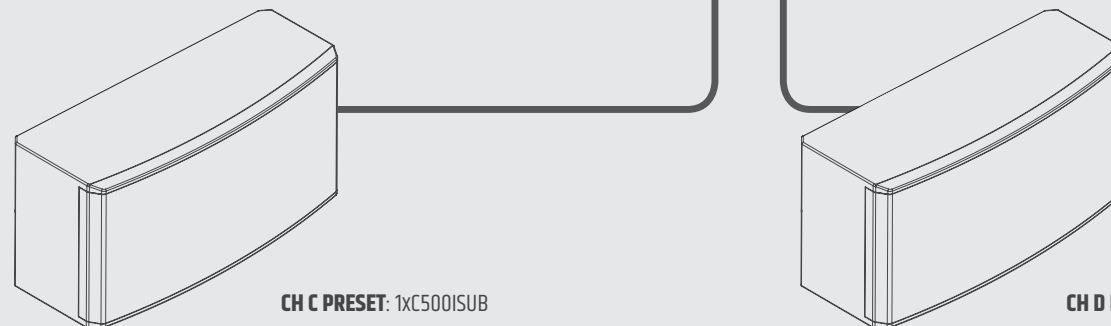
70V EXAMPLE - 4 SATELLITE SETS
MAX. 24 SATELLITES PER BRIDGED OUTPUT

ZONE 1 - SATELLITES

SLAT
SETTINGS

100 V
INPUT SELECT
70 V

CH A PRESET: 4xC500-70V
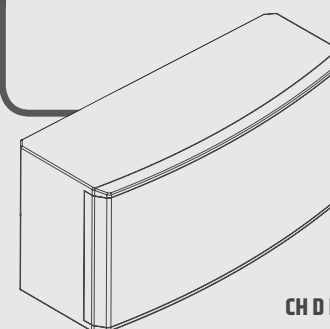
CH A   CH B   CH C   CH D

CURV 500® I AMP OUTPUT
4 balanced mono line inputs, assignable to
any output, in any combination, thanks to the
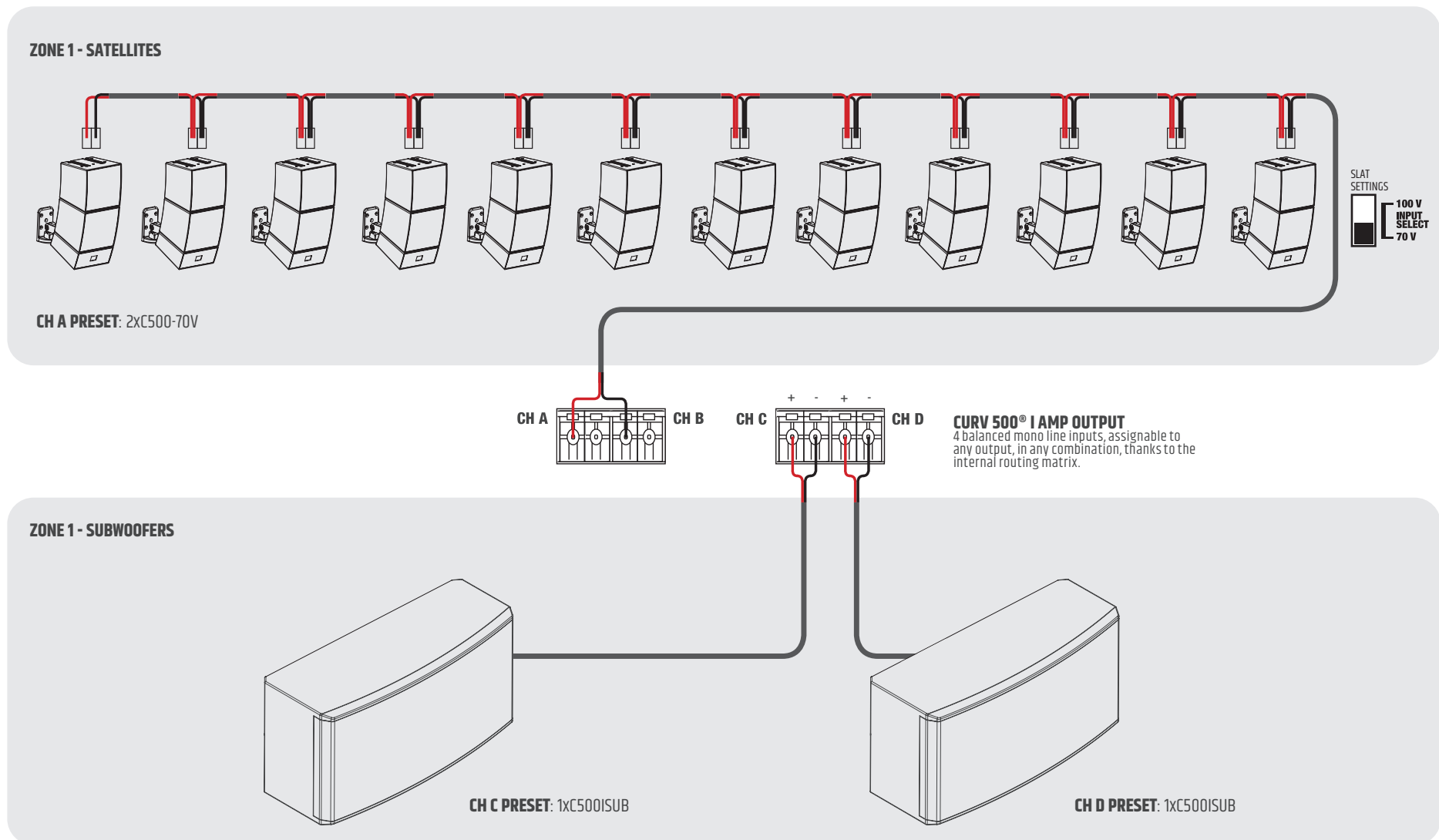internal routing matrix.

ZONE 1 - SUBWOOFERS

CH C PRESET: 1xC500ISUB

CH D PRESET: 1xC500ISUB

SHOPPING LISTS
BISTRO / CONFERENCE / VOICE

BISTRO MEDIUM

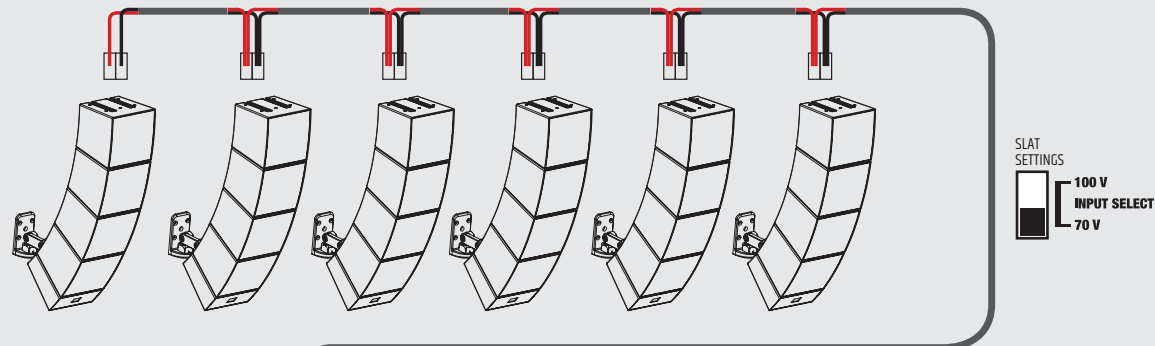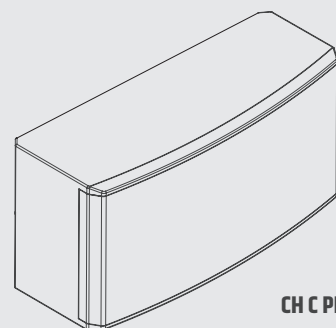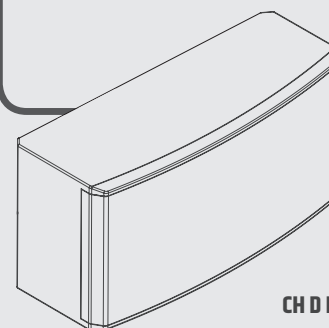| QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
2	CURV 500® ISUB	LDCURV500ISUB	Black and white colours available
6	CURV 500® SLA	LDCURV500SLA	Black and white colours available
6	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires six mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

BISTRO MAX

QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
2	CURV 500® ISUB	LDCURV500ISUB	Black and white colours available
12	CURV 500® SLA	LDCURV500SLA	Black and white colours available
6	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires 12 mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

CONFERENCE MEDIUM

QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
1	CURV 500® ISUB	LDCURV500ISUB	Black and white colours available
4	CURV 500® SLA	LDCURV500SLA	Black and white colours available
4	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires 4 mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

CONFERENCE MEDIUM

QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
2	CURV 500® ISUB	LDCURV500ISUB	Black and white colours available
4	CURV 500® SLA	LDCURV500SLA	Black and white colours available
6	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires 4 mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

VOICE

QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
8	CURV 500® SLA	LDCURV500SLA	Black and white colours available
12	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires 8 mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

VOICE MAX

QTY	Model	Article Nr.	Comments
1	CURV 500® I AMP	LDCURV500I AMP	
24	CURV 500® SLA	LDCURV500SLA	Black and white colours available
12	CURV 500® S2	LDCURV500S2	Black and white colours available

This bundle requires 24 mounting accessories. Please check pages 19 and 20 for information about our wall, ceiling and truss mounting accessories.

CURV 500® I AMP

4-CHANNEL CLASS D INSTALLATION AMPLIFIER

- 4-Channels with DSP control
- Purpose-designed for CURV 500® installations
- Low-profile 1U 19" rackmount construction
- Drives up to 24 CURV 500® satellites per bridged output in 70V mode
- Single push encoder operation
- High-contrast OLED display
- Temperature controlled low-noise fan
- High-efficiency switch mode power supply
- Only 6.8 kg

CURV 500® iSUB (W)

10" INSTALLATION SUBWOOFER 200 W IN BLACK OR WHITE

- 10" bass reflex construction
- Purpose-designed for CURV 500® installations
- Shallow-depth enclosure
- 200 watts RMS power handling
- 47 – 150 Hz frequency response
- Available in black or white textured paint finish
- Includes low-profile wall and ceiling mounting bracket

CURV 500® INSTALL PRODUCTS

CURV 500® S2 (W)

TWO ARRAY SATELLITES FOR THE CURV 500® ARRAY SYSTEM IN BLACK OR WHITE

· Bundle consisting of two array satellites
· Compact cabinet made of black die-cast aluminium, rugged and resilient
· A single 4-inch midrange driver and three 1-inch high-frequency drivers
  with patented WaveAhead® technology delivers excellent sound
· SmartLink® system allows for cable-free assembly of up to four array satellites
· 16 ohm impedance per satellite

CURV 500® SLA (W)

SMARTLINK® ADAPTER IN BLACK OR WHITE

· For up to six CURV 500® satellites
· Base for CURV 500® system
· 2 x 16 mm flange for an optimised dispersion angle
· 4 x M6 threads for wall mounting
· 4 x M3 threads for ceiling mounting
· 4 rubber feet for desktop applications
· Speakon-compatible connection for usual speaker cables
· Rotating logo for ceiling mounting
· 2 pole - Euro Style terminal block connector (2 x 1.5 mm^2 speaker cable recommended)

CURV 500® INSTALL PRODUCTS

OUTPUT POWER
(max. 80W @ 4 Ω)

12.5%
25%
50% 100%

POWER SETTINGS IN TAP SELECTOR				
No. of CURV 500® satellites	12.50%	25%	50%	100%
1	2W	5W	10W	20W
2	5W	10W	20W	40W
3	8W	15W	30W	60W
4	10W	20W	40W	80W

CURV 500® SLA(W)T
70 / 100 VOLT SMARTLINK® ADAPTER IN BLACK OR WHITE

· 70 / 100 V SmartLink® adapter for up to four LD CURV 500® satellites
· Integrated transformer with 10, 20, 40 and 80 W output taps @ 4 ohms
· Switchable for 70 or 100 V operation
· 2 x M6 threads for wall mounting
· 4 x M3 threads for ceiling mounting
· 4 rubber feet for desktop applications
· 2 pole - Euro Style terminal block connector (2 x 1.5mm2 speaker cable recommended)
· Rotating logo for ceiling mounting
· Output power selector with four settings available
· If used in combination with an I AMP amplifier, INPUT SELECT should be set to 70V.

CURV 500® TMB
TRUSS CLAMP FOR CURV 500® SATELLITES

· Clamps to trusses and crossbars
· Tough black powder coating finish
· Includes Eyebolt M6 x 12 mm and washer
· Maximum load: 20 kg. It can hold up to six CURV 500® satellites plus one
  CURV 500® SLA adapter.

CURV 500® INSTALL PRODUCTS

CURV 500® WMB (W)
WALL MOUNTING BRACKET FOR CURV 500® SATELLITES IN BLACK OR WHITE

- Fully adjustable on all axes
- Tough black powder coat finish
- Comes with safety rope
- Maximum load: 10 kg. It can hold up to five CURV 500® satellites plus one CURV 500® SLA adapter.

CURV 500® CMB (W)
CEILING MOUNTING BRACKET FOR CURV 500® SATELLITES BLACK

- 360° rotatable
- Tough black or white powder coat finish
- Includes 20 cm steel safety rope
- Maximum load: 10 kg. It can hold up to five CURV 500® satellites plus one CURV 500® SLA adapter.

CURV 500® ISUB

CURV 500® S2

CURV 500® I AMP

CURV 500® SLA

WAVEAHEAD® TECHNOLOGY
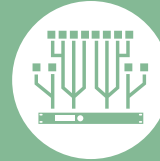FOR SEAMLESS ARRAY CONFIGURATION

EASY SCALABILITY
WITH THE 'SLIDE-AND-LOCK' MECHANISM

FULL INSTALL FLEXIBILITY
THANKS TO THE SMARTLINK® ADAPTER

1U 19" RACKMOUNT
4-CHANNEL DSP AMPLIFIER

UP TO 24 CURV 500® SPEAKERS
WITH ONE I AMP AMPLIFIER

**IN-DEPTH DSP SETTINGS
AND PRESETS**

**PASSWORD PROTECTED
SYSTEM**

LDsystems LD®
your sound. our mission.

CURV 500® SERIES
INSTALL SOLUTIONS

GERMAN DESIGN AWARD WINNER 2016

iF DESIGN AWARD 2016

reddot award 2016 winner

Great sound can also be installed - combining unique design and modularity,

ease of integration and professional audio performance, the CURV 500® series now features

dedicated products for the professional install market. Now you can create fully integrated

distributed systems with up to 24 CURV 500® speakers. Set yourself apart from the competition, give your

customers more than what they want - inspire them!

DESIGNED & ENGINEERED **IN GERMANY**
WWW.**LD-SYSTEMS**.COM