



INNOVATIVE

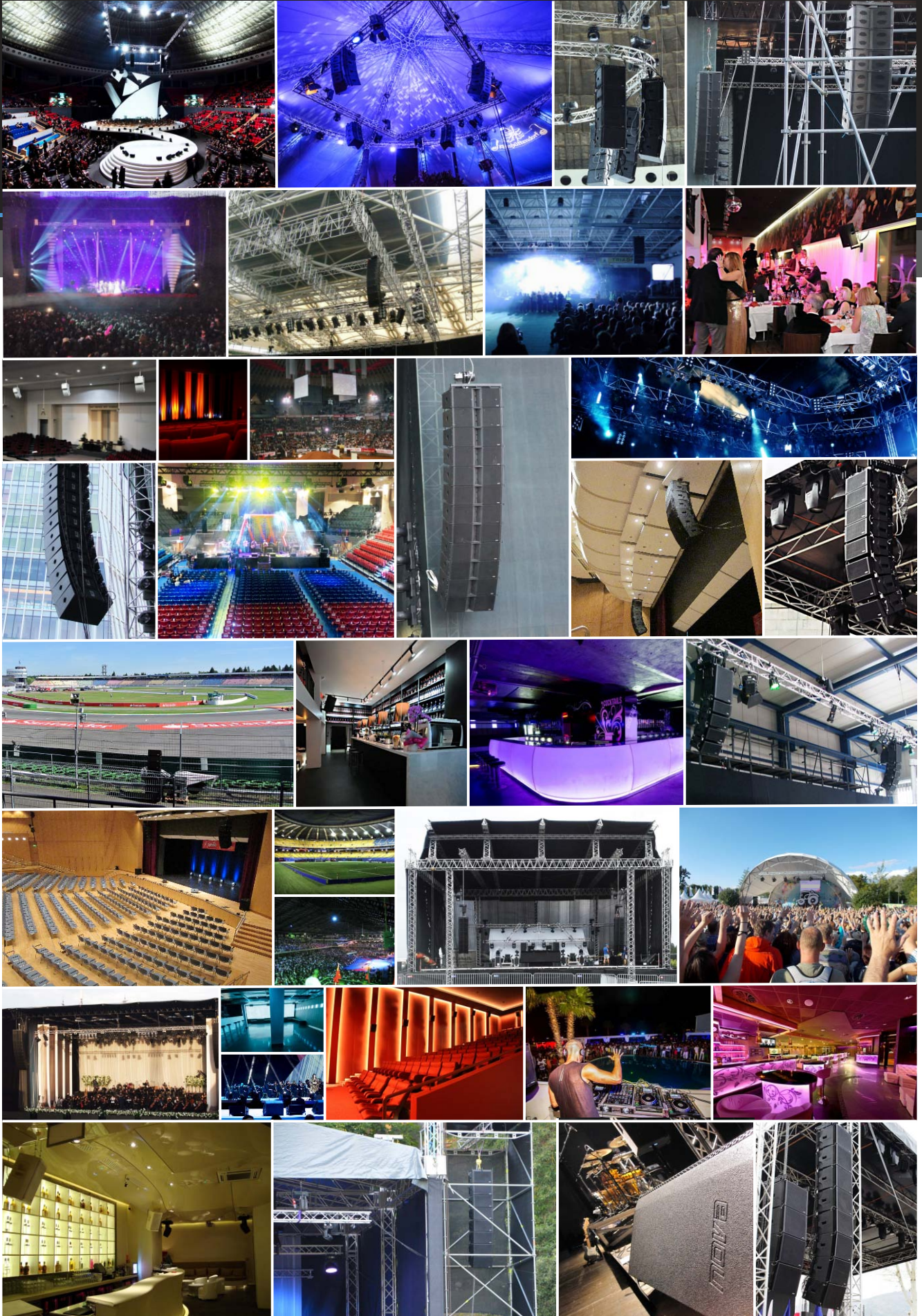
CINEMA SYSTEMS



LOUDSPEAKERS | SYSTEMS | POWER AMPLIFIERS | CONTROLLERS

IDEAS MADE IN GERMANY

Hunderttausende zufriedene NOVA Anwender in mehr als 70 Ländern weltweit.
Hundreds of thousands of satisfied NOVA users in more than 70 countries worldwide.



PREMIUM CINEMA SOUND

Kinosound der Spitzenklasse.



Werk Pocking (Deutschland) / Factory in Pocking (Germany)

Die Zukunft im Kinosound. | The future of cinema sound.



Kinobesucher haben heutzutage deutlich höhere Ansprüche an Bild und Ton im Kino als noch vor wenigen Jahren. Ein einfaches Lautsprechersystem reicht längst nicht mehr aus, um die Kinogänger wirklich zu begeistern. **Digitales Kino bietet jedem Filmtheater die Möglichkeit, erstklassig dynamischen und aufregenden Sound in den Kinosaal zu bringen.**

Um dieses enorme Potential freizusetzen, ist ein Soundsystem erforderlich, das die Soundtracks des 21. Jahrhunderts in voller Übertragungsqualität „State-of-the-art“ wiedergeben kann. Höchste Performance, maximale Dynamik und Auflösung der Spitzenklasse - **NOVA Kinosysteme sind gemacht für ein aufregendes und perfektes Kinoerlebnis. Und um Kinogänger immer wieder aufs Neue zu überraschen.**

Führende Line-Array Technologien, Lautsprecher für modernste Mehrkanalanwendungen, 3D-Sound und komplette Systemlösungen: NOVA Soundsysteme bieten Kinobetreibern die Möglichkeit, auch in Zukunft konkurrenzfähig zu bleiben.

NOVA - die Zukunft des digitalen Kinosounds.



Today's moviegoers have much higher demands and expectations when it comes to cinema footage and sound. The sound technology behind today's movies means a simple speaker system cannot engage the audiences senses and inspire moviegoers to return. **Digital cinema offers every movie theater the opportunity to bring first class dynamics and clarity that transports the viewer in to the movie.**

To realise this enormous potential, a cinema sound system must be able to reproduce the "state-of-the-art" soundtracks of the 21st century in full broadcast quality. Optimum performance, maximum dynamics and resolution of the highest class - **NOVA cinema systems are designed to provide an exciting cinema experience surprising moviegoers over and over again.**

Leading line array technology, speakers for advanced multi-channel applications, 3D sound and complete system solutions: NOVA sound systems offer cinema operators the ability to remain competitive in the future.

NOVA - the future of digital cinema sound.



PREMIUM FRONT SYSTEMS

High performance front systems for crystal-clear sound and maximum dynamics.



NCS 115 MICRO

NCS 115 Q

NCS 215

NCS 115 FLAT

| | | | | |
|--|---|--------------------------------------|--------------------------------------|---|
| System Type: | 15", two-way | 15", two-way | 2 x 15", two-way | 15", two-way |
| Frequency Range: | 45 Hz - 20 kHz | 44 Hz - 20 kHz | 38 Hz - 20 kHz | 42 Hz - 20 kHz |
| Coverage Pattern: | 90° x 60° (H x V) | 90° x 60° (H x V) | 90° x 60° (H x V) | 90° x 60° (H x V) |
| HF Horn: | PVC | Fibre glass | Fibre glass | Fibre glass |
| Crossover Modes: | Passive | Active & passive version | Active & passive version | Passive |
| Crossover Frequency: | 1.6 kHz | 1.05 kHz | 1.05 kHz | 1.25 kHz |
| Power Rating (Cont. / Program): | 500 W / 700 W | 600 W / 1.200 W | 1.200 W / 2.400 W | 600 W / 1.200 W |
| Maximum SPL: | 128 dB SPL peak | 131 dB SPL peak | 137 dB SPL peak | 130 dB SPL peak |
| System Sensitivity (1w/1m): | 99 dB SPL | 100 dB SPL | 103 dB SPL | 99 dB SPL |
| LF Driver | 1 x NOVA 15/500 | 1 x NOVA 15/600C | 2 x NOVA 15/600C | 1 x NOVA 15/600C |
| LF Nominal Impedance: | 8 ohms | 8 ohms | 4 ohms | 8 ohms |
| HF Driver: | 1 x NOVA HT400, 1.35" voice coil driver | 1 x NOVA C1500, 3" voice coil driver | 1 x NOVA C1500, 3" voice coil driver | 1 x NOVA C1000, 1.75" voice coil driver |
| HF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms | 8 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 450 mm x 775 mm x 185 mm | 680 mm x 725.5 mm x 450 mm | 680 mm x 1265 mm x 450 mm | 680 mm x 1252.5 mm x 260 mm |
| Net Weight: | 16.5 kg | Passive: 38 kg / Active: 37 kg | Passive: 61 kg / Active: 60 kg | Passive: 42 kg / Active: 41 kg |



NCS 115 Q-AS

NCS 215 Q-AS

| | | |
|--|--|--|
| System Type: | 15", two-way | 2 x 15", two-way |
| Frequency Range: | 44 Hz - 20 kHz | 38 Hz - 20 kHz |
| Coverage Pattern: | 90° x 60°/90° (H x V), 20° up / 40° down | 90° x 60°/90° (H x V), 20° up / 40° down |
| HF Horn: | Fibre glass | Fibre glass |
| Crossover Modes: | Active | Active |
| Crossover Frequency: | 1.05 kHz | 1.05 kHz |
| Power Rating (Cont. / Program): | 600 W / 1.200 W | 1.200 W / 2.400 W |
| Maximum SPL: | 131 dB SPL peak | 137 dB SPL peak |
| System Sensitivity (1w/1m): | 100 dB SPL | 103 dB SPL |
| LF Driver | 1 x NOVA 15/600C | 2 x NOVA 15/600C |
| LF Nominal Impedance: | 8 ohms | 4 ohms |
| HF Driver: | 1 x NOVA C1500, 3" voice coil driver | 1 x NOVA C1500, 3" voice coil driver |
| HF Nominal Impedance: | 8 ohms | 8 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 680 mm x 900 mm x 450 mm | 680 mm x 1.400 mm x 450 mm |
| Net Weight: | 39 kg | 62 kg |

LINE ARRAY SYSTEMS

High performance line array loudspeakers for highest demands.
Modular systems for large cinema halls without compromise.



NCS L33 F/60°

NCS L33 C/90°

| | | |
|--|--|--|
| System Type: | 3 x 6", two-way line rray | 3 x 6", two-way line rray |
| Frequency Range: | 80 Hz - 20 kHz | 80 Hz - 20 kHz |
| Coverage Pattern: | 60° x 15° (H x V) | 90° x 36° (H x V) |
| HF Horn: | Hybrid fibre glass | Hybrid fibre glass |
| Crossover Modes: | Passive | Passive |
| Crossover Frequency: | 1.25 kHz | 1.25 kHz |
| Power Rating (Cont. / Program): | 450 W / 900 W | 450 W / 900 W |
| Maximum SPL: | 132 dB SPL peak | 132 dB SPL peak |
| System Sensitivity (1w/1m): | 103 dB SPL | 103 dB SPL |
| LF Driver | 3 x NOVA C150C | 3 x NOVA C150C |
| LF Nominal Impedance: | 3.2 ohms | 3.2 ohms |
| HF Driver: | 3 x NOVA C1000, 1.75" voice coil driver | 3 x NOVA C1000, 1.75" voice coil driver |
| HF Nominal Impedance: | 3.2 ohms | 3.2 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 376 mm x 530 mm x 365 mm | 376 mm x 530 mm x 365 mm |
| Net Weight: | 25 kg | 25 kg |
| Accessories: | # 00507: NCS-S stacking adapter # 00519: NCS-CFS 33 U-bracket | # 00507: NCS-S stacking adapter # 00519: NCS-CFS 33 U-bracket |



NCS L63 F/60°

| | |
|--|--|
| System Type: | 6 x 6", two-way line array |
| Frequency Range: | 70 Hz - 20 kHz |
| Coverage Pattern: | 60° x 15° (H x V) |
| HF Horn: | Hybrid fibre glass |
| Crossover Modes: | Passive |
| Crossover Frequency: | 1.25 kHz |
| Power Rating (Cont. / Program): | 900 W / 1.800 W |
| Maximum SPL: | 137 dB SPL peak |
| System Sensitivity (1w/1m): | 106 dB SPL |
| LF Driver | 6 x NOVA 6/150C |
| LF Nominal Impedance: | 5.4 ohms |
| HF Driver: | 3 x NOVA C1000, 1.75" voice coil driver |
| HF Nominal Impedance: | 5.4 ohms |
| Enclosure: | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish |
| Input Connectors: | Binding Posts |
| Dimensions (W x H x D): | 546 mm x 530 mm x 365 mm |
| Net Weight: | 35 kg |
| Accessories: | # 00507: NCS-S stacking adapter # 00520: NCS-CFS 63 U-bracket |

NCS L63 C/90°

| | |
|--|--|
| System Type: | 6 x 6", two-way line array |
| Frequency Range: | 70 Hz - 20 kHz |
| Coverage Pattern: | 90° x 36° (H x V) |
| HF Horn: | Hybrid fibre glass |
| Crossover Modes: | Passive |
| Crossover Frequency: | 1.25 kHz |
| Power Rating (Cont. / Program): | 900 W / 1.800 W |
| Maximum SPL: | 137 dB SPL peak |
| System Sensitivity (1w/1m): | 106 dB SPL |
| LF Driver | 6 x NOVA 6/150C |
| LF Nominal Impedance: | 5.4 ohms |
| HF Driver: | 3 x NOVA C1000, 1.75" voice coil driver |
| HF Nominal Impedance: | 5.4 ohms |
| Enclosure: | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish |
| Input Connectors: | Binding Posts |
| Dimensions (W x H x D): | 546 mm x 530 mm x 365 mm |
| Net Weight: | 35 kg |
| Accessories: | # 00507: NCS-S stacking adapter # 00520: NCS-CFS 63 U-bracket |

LINE ARRAY SYSTEMS

Premium line array systems and subwoofers for medium and large cinema halls.



C-LINE 33

- 1 x NCS L33 C/90°
450 W (RMS)
- 1 x NCS 115 Q B
600 W (RMS)

C-LINE 33/2

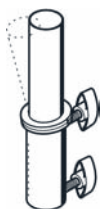
- 1 x NCS L33 C/90°
450 W (RMS)
- 1 x NCS 215 B
1.200 W (RMS)

C-LINE 33 PLUS

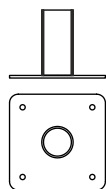
- 1 x NCS L33 F/60°
450 W (RMS)
- 1 x NCS L33 C/90°
450 W (RMS)
- 1 x NCS 215 B
1.200 W (RMS)

Accessories

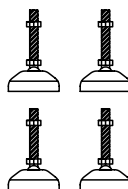
FP-2
flexible stacking adapter



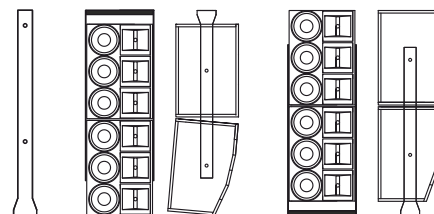
NCS-S
straight stacking adapter

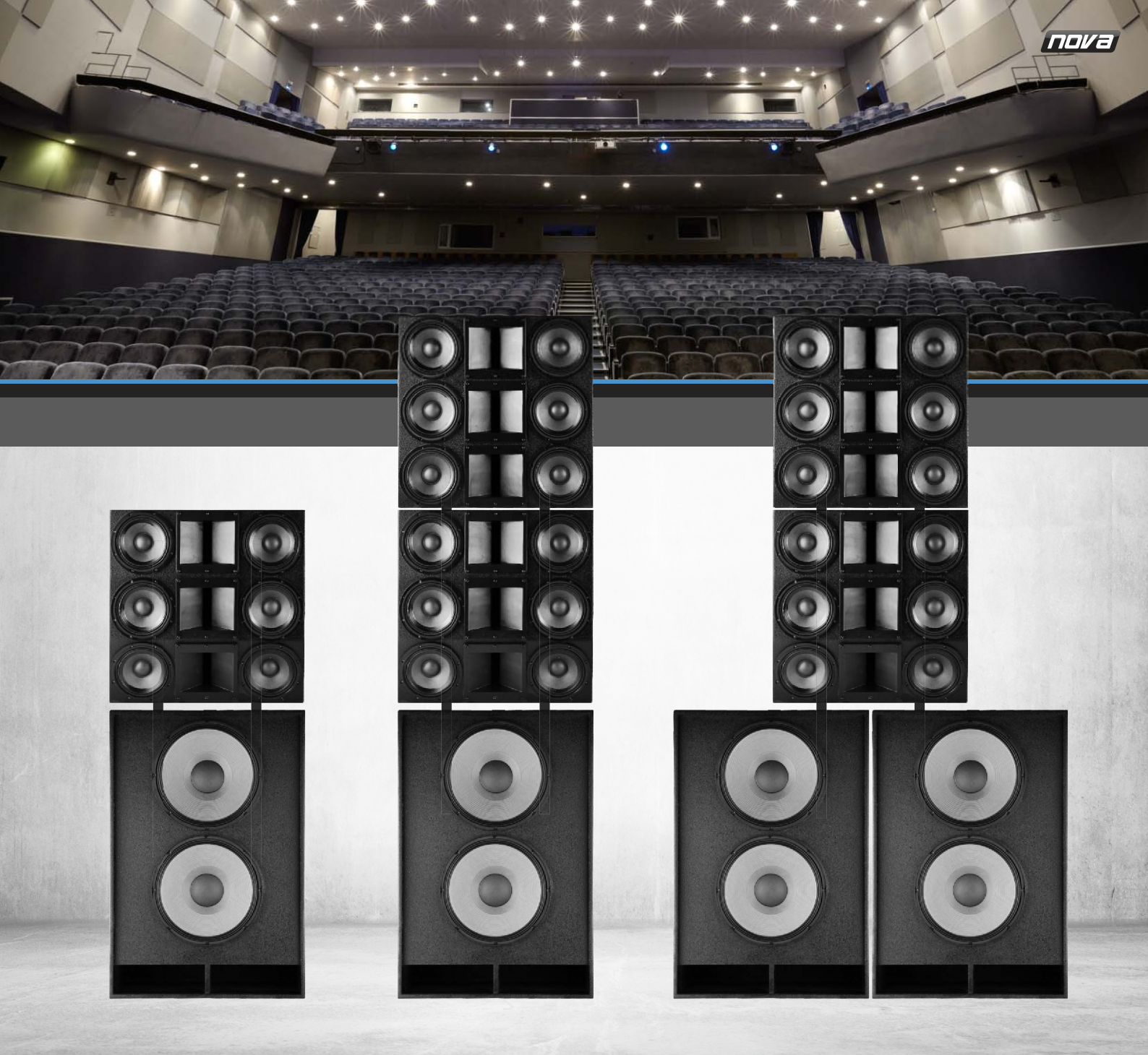


CCS-SET
set of four flexible feet
(included in delivery as standard)



NCS-CFS 33
fly- / stacking frame





C-LINE 63

- 1 x NCS L63 C/90°
900 W (RMS)
- 1 x NCS 215 B
1.200 W (RMS)

C-LINE 63 PLUS

- 1 x NCS L63 F/60°
900 W (RMS)
- 1 x NCS L63 C/90°
900 W (RMS)
- 1 x NCS 215 B
1.200 W (RMS)

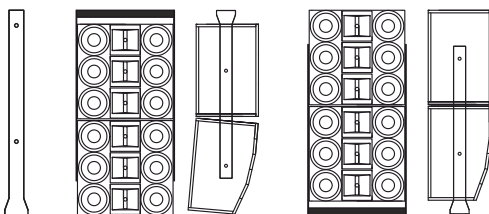
C-LINE 63 XTRA

- 1 x NCS L63 F/60°
900 W (RMS)
- 1 x NCS L63 C/90°
900 W (RMS)
- 2 x NCS 215 B
2.400 W (RMS)

Accessories

NCS-CFS 63

fly- / stacking frame



SUBWOOFERS

High performance subwoofers for impressive and deep sound reproduction.



| | NCS 115 B-MICRO | NCS 115 QB | NCS 215 B | CPA 118 C |
|--|--------------------------|--------------------------|---------------------------|--|
| System Type: | 15", subwoofer | 15", subwoofer | 2 x 15", subwoofer | 18", subwoofer, triangular design |
| Frequency Range: | 45 Hz - 1.6 kHz | 44 Hz - 1.6 kHz | 38 Hz - 1.2 kHz | Freefield: 38 Hz - 1 kHz / Corner: 22 Hz - 1 kHz |
| Coverage Pattern: | n/a | n/a | n/a | n/a |
| HF Horn: | n/a | n/a | n/a | n/a |
| Crossover Modes: | n/a | n/a | n/a | n/a |
| Crossover Frequency: | n/a | n/a | n/a | n/a |
| Power Rating (Cont. / Program): | 500 W / 700 W | 600 W / 1.200 W | 1.200 W / 2.400 W | 800 W / 1.600 W |
| Maximum SPL: | 127 dB SPL peak | 130 dB SPL peak | 137 dB SPL peak | 130 dB SPL peak |
| System Sensitivity (1w/1m): | 99 dB SPL | 99 dB SPL | 103 dB SPL | 98 dB SPL |
| LF Driver | 1 x NOVA 15/500 | 1 x NOVA 15/600C | 2 x NOVA 15/600C | 1 x NOVA 18/1000EL |
| LF Nominal Impedance: | 8 ohms | 8 ohms | 4 ohms | 8 ohms |
| HF Driver: | n/a | n/a | n/a | n/a |
| HF Nominal Impedance: | n/a | n/a | n/a | n/a |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 450 mm x 600 mm x 185 mm | 450 mm x 500 mm x 185 mm | 680 mm x 1265 mm x 450 mm | 618 mm x 700 mm x 315 mm |
| Net Weight: | 14 kg | 28 kg | 51 kg | 29 kg (including mounting frame) |



NCS 118 SB

NCS 118 B FLAT

NCS 121 SB

| | | | |
|--|----------------------------|----------------------------|----------------------------|
| System Type: | 18", subwoofer | 18", subwoofer | 21", subwoofer |
| Frequency Range: | 22 Hz - 300 Hz | 28 Hz - 300 Hz | 18 Hz - 160 Hz |
| Coverage Pattern: | n/a | n/a | n/a |
| HF Horn: | n/a | n/a | n/a |
| Crossover Modes: | n/a | n/a | n/a |
| Crossover Frequency: | 70 - 120 Hz (recommended) | n/a | n/a |
| Power Rating (Cont. / Program): | 800 W / 1.600 W | 800 W / 1.600 W | 1.200 W / 2.400 W |
| Maximum SPL: | 130 dB SPL peak | 130 dB SPL peak | 135 dB SPL peak |
| System Sensitivity (1w/1m): | 99 dB SPL | 99 dB SPL | 101 dB SPL |
| LF Driver | 1 x NOVA 18/800C | 1 x NOVA 18/800C | 1 x NOVA 21/1200C |
| LF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms |
| HF Driver: | n/a | n/a | n/a |
| HF Nominal Impedance: | n/a | n/a | n/a |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 680 mm x 1.000 mm x 450 mm | 680 mm x 1.000 mm x 260 mm | 680 mm x 1.000 mm x 450 mm |
| Net Weight: | 50 kg | 40 kg | 60 kg |

SURROUND SPEAKERS

Discreet and powerful surround speakers for perfect 3-D feeling.



| | CP 8E | CP 10E | CP 8N | CP 10N |
|--|--------------------------------------|--------------------------------------|---|---|
| System Type: | 8", two-way | 10", two-way | 8", two-way | 10", two-way |
| Frequency Range: | 60 Hz - 20 kHz | 55 Hz - 20 kHz | 60 Hz - 20 kHz | 55 Hz - 20 kHz |
| Coverage Pattern: | 90° x 60° (H x V) | 90° x 60° (H x V) | 90° x 60° (H x V) | 90° x 60° (H x V) |
| HF Horn: | PVC | PVC | PVC | PVC |
| Crossover Modes: | Passive | Passive | Passive | Passive |
| Crossover Frequency: | 2.2 kHz | 2.2 kHz | 2.0 kHz | 2.0 kHz |
| Power Rating (Cont. / Program): | 150 W / 300 W | 250 W / 500 W | 200 W / 400 W | 300 W / 600 W |
| Maximum SPL: | 120 dB SPL peak | 122 dB SPL peak | 122 dB SPL peak | 125 dB SPL peak |
| System Sensitivity (1w/1m): | 95 dB SPL | 95 dB SPL | 96 dB SPL | 97 dB SPL |
| LF Driver | 1 x NOVA 8/150 | 1 x NOVA 10/250 | 1 x NOVA 8/200 | 1 x NOVA 10/300 |
| LF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms | 8 ohms |
| HF Driver: | 1 x NOVA HT250, 1" voice coil driver | 1 x NOVA HT250, 1" voice coil driver | 1 x NOVA HT400, 1.35" voice coil driver | 1 x NOVA HT400, 1.35" voice coil driver |
| HF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms | 8 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 300 mm x 390 mm x 243 mm | 330 mm x 438 mm x 255 mm | 340 mm x 427 mm x 271 mm | 380 mm x 475 mm x 284 mm |
| Net Weight: | 9 kg | 11 kg | 10.5 kg | 13 kg |



CP 12N

CP 15N

| | | |
|--|---|---|
| System Type: | 12", two-way | 15", two-way |
| Frequency Range: | 50 Hz - 20 kHz | 45 Hz - 20 kHz |
| Coverage Pattern: | 90° x 60° (H x V) | 90° x 60° (H x V) |
| HF Horn: | PVC | PVC |
| Crossover Modes: | Passive | Passive |
| Crossover Frequency: | 1.8 kHz | 1.6 kHz |
| Power Rating (Cont. / Program): | 400 W / 800 W | 500 W / 1.000 W |
| Maximum SPL: | 127 dB SPL peak | 129 dB SPL peak |
| System Sensitivity (1w/1m): | 98 dB SPL | 99 dB SPL |
| LF Driver | 1 x NOVA 12/400 | 1 x NOVA 15/500 |
| LF Nominal Impedance: | 8 ohms | 8 ohms |
| HF Driver: | 1 x NOVA HT400, 1.35" voice coil driver | 1 x NOVA HT400, 1.35" voice coil driver |
| HF Nominal Impedance: | 8 ohms | 8 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 410 mm x 533 mm x 310 mm | 680 mm x 450 mm x 306 mm |
| Net Weight: | 14.5 kg | 18 kg |

MULTI CHANNEL SPEAKERS

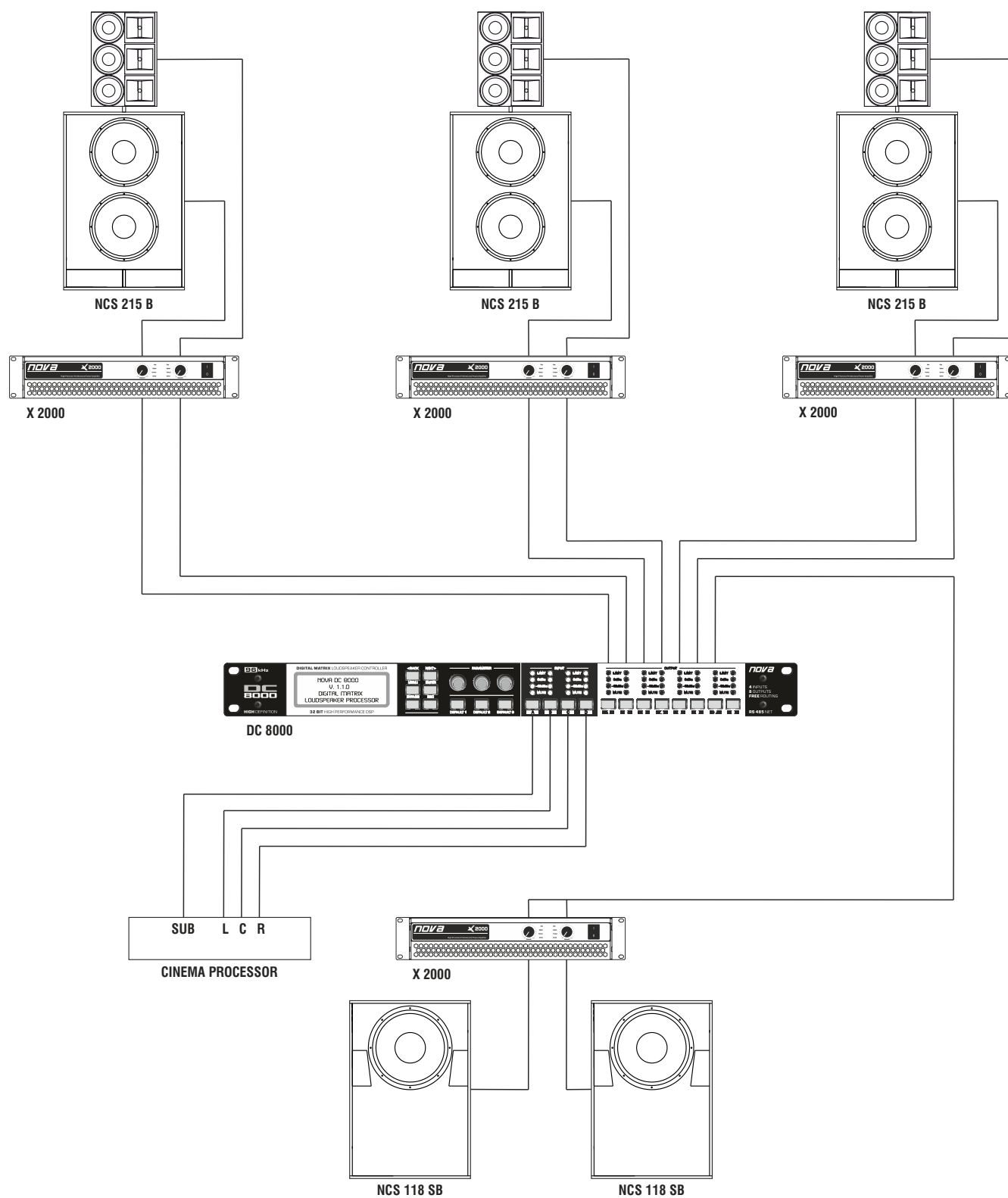
Coaxial speakers with sound in studio-monitor quality, delivering top performance. Ready for modern 3D-sound applications.



| | CPA 5 | CPA 8 | CPA 10 | CPA 12 |
|--|---|---|---|---|
| System Type: | 5", two-way, coaxial | 8", two-way, coaxial | 10", two-way | 12", two-way |
| Frequency Range: | 85 Hz - 20 kHz | 55 Hz - 20 kHz | 60 Hz - 20 kHz | 50 Hz - 20 kHz |
| Coverage Pattern: | 90° x 90° (H x V) | 90° x 90° (H x V) | 90° x 90° (H x V) | 90° x 90° (H x V) |
| HF Horn: | Axisymmetric | Axisymmetric | Axisymmetric | Axisymmetric |
| Crossover Modes: | Passive | Passive | Passive | Passive |
| Crossover Frequency: | 2.2 kHz | 1.8 kHz | 1.6 kHz | 1.45 kHz |
| Power Rating (Cont. / Program): | 150 W / 300 W | 250 W / 500 W | 350 W / 700 W | 450 W / 900 W |
| Maximum SPL: | 117 dB SPL peak | 123 dB SPL peak | 128.5 dB SPL peak | 131 dB SPL peak |
| System Sensitivity (1w/1m): | 92 dB SPL | 96 dB SPL | 97 dB SPL | 98.5 dB SPL |
| LF Driver | 1 x NOVA 5/150 COAX, 1.8" voice coil | 1 x NOVA 8/250 COAX, 2" voice coil | 1 x NOVA 10/350 COAX, 2.5" voice coil | 1 x NOVA 12/450 COAX, 3" voice coil |
| LF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms | 8 ohms |
| HF Driver: | 1 x NOVA 5/150 COAX, 1.35" voice coil | 1 x NOVA 8/250 COAX, 1.75" voice coil | 1 x NOVA 10/350 COAX, 1.75" voice coil | 1 x NOVA 12/450 COAX, 1.75" voice coil |
| HF Nominal Impedance: | 8 ohms | 8 ohms | 8 ohms | 8 ohms |
| Enclosure: | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF | 16 mm, ProWo® MDF |
| Finish: | Black lacquer finish | Black lacquer finish | Black lacquer finish | Black lacquer finish |
| Input Connectors: | Binding Posts | Binding Posts | Binding Posts | Binding Posts |
| Dimensions (W x H x D): | 160 mm x 160 mm x 180 mm | 250 mm x 250 mm x 250 mm | 300 mm x 300 mm x 300 mm | 360 mm x 360 mm x 360 mm |
| Net Weight: | 3 kg | 9 kg | 14 kg | 18.5 kg |
| Accessories: | U-bracket, included in delivery as standard | U-bracket, included in delivery as standard | U-bracket, included in delivery as standard | U-bracket, included in delivery as standard |

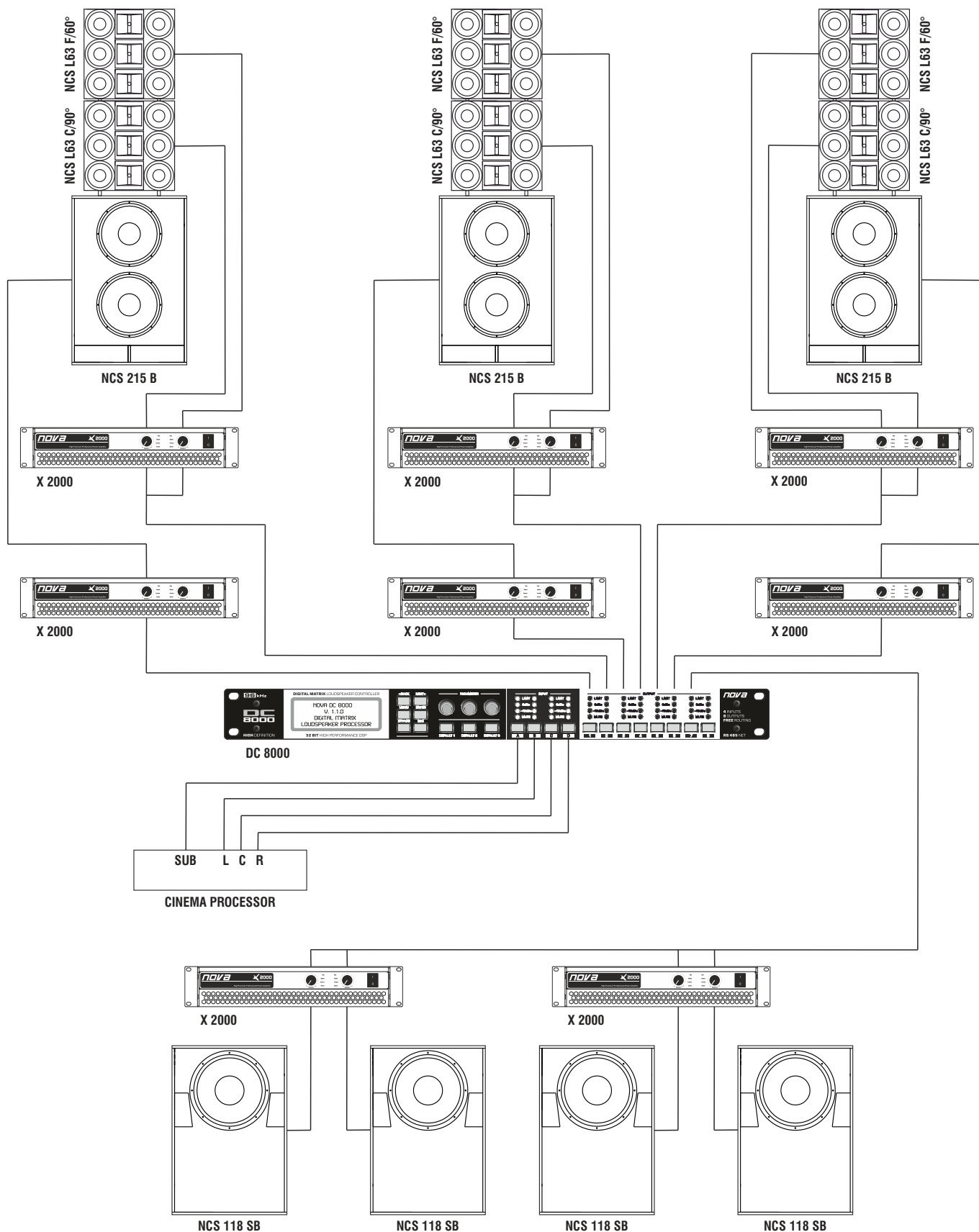
C-LINE 33/2 Application:

Medium Cinema Theater, Stacked Version



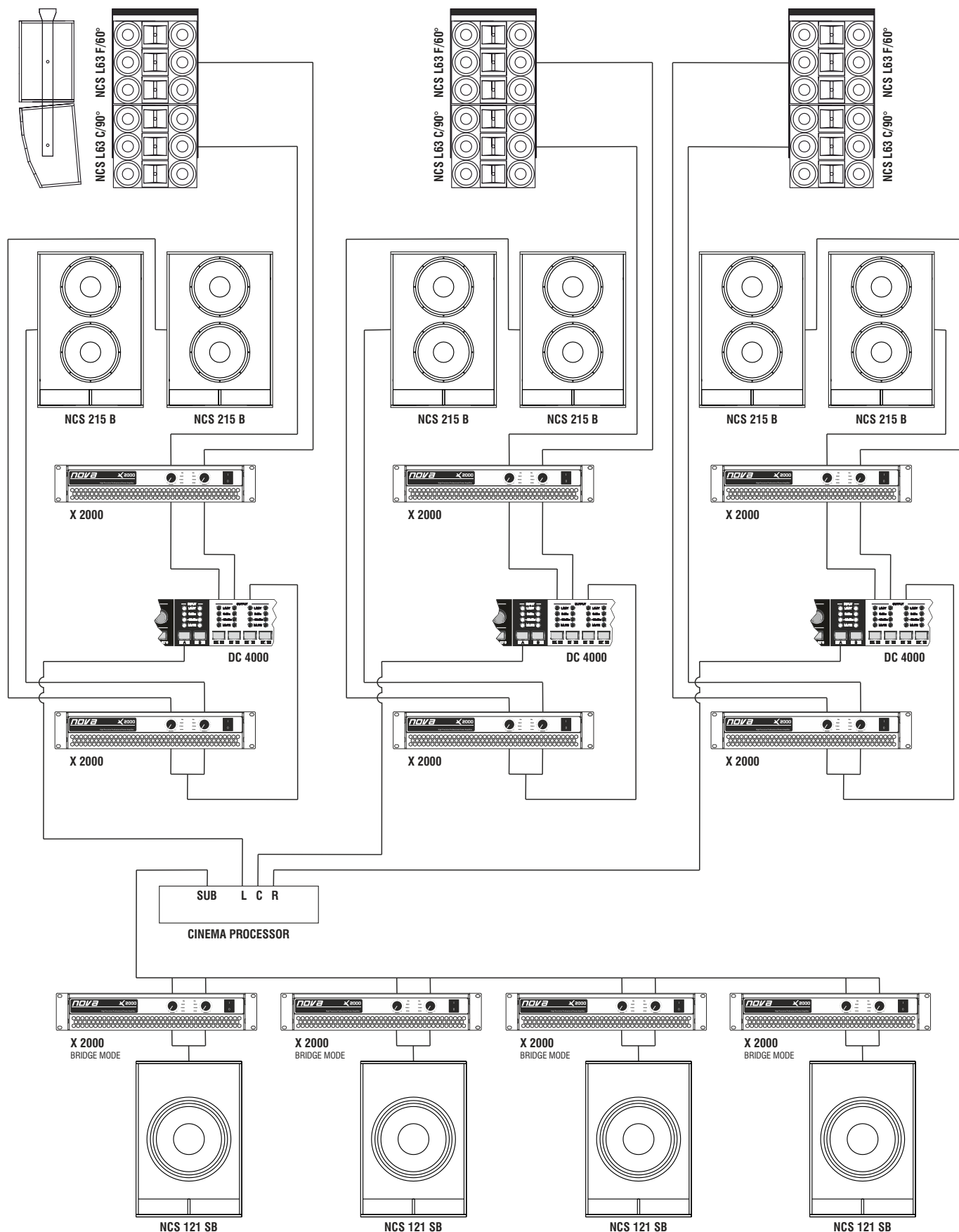
C-LINE 63 PLUS Application:

Medium/Large Cinema Theater, Stacked Version



C-LINE 63 XTRA Application:

Large Cinema Theater, Stacked Version



DC8000

32-Bit digital 4-in/8-out speaker management system including RS485 interface.



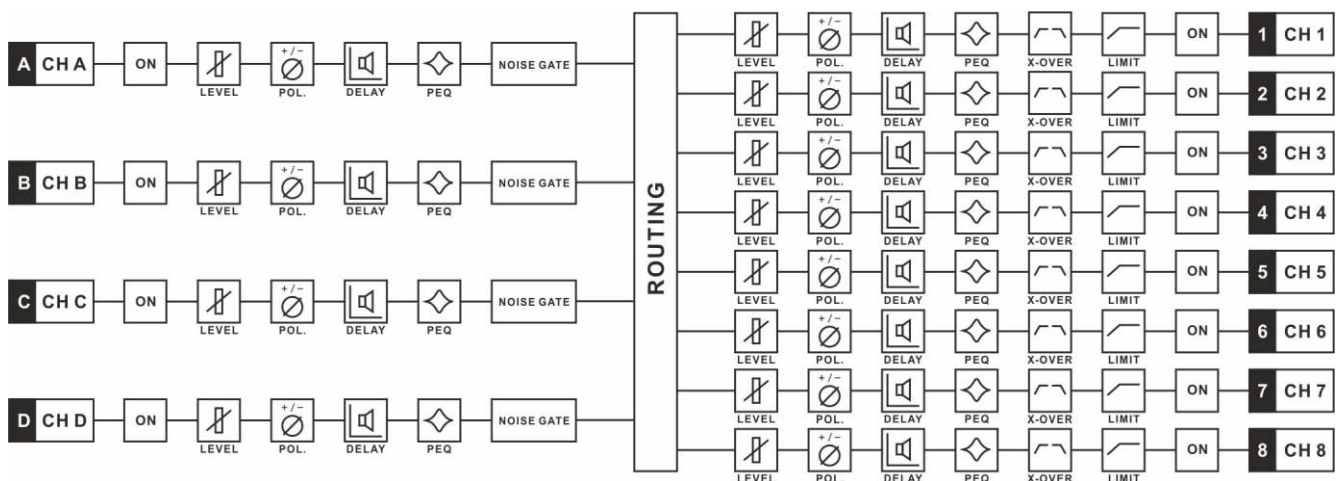
Der DC8000 ist ein digitaler 4- in 8-Wege Systemcontroller mit einer internen Auflösung von 32 Bit und 96 kHz Sampling Rate in den Eingängen sowie in den Ausgängen.

Der DC8000 verfügt über 4 analoge und digitale (AES/EBU© Format) Eingänge. Die 8 Ausgänge geben ein analoge Signale aus. Der DC8000 verfügt über eine Remoteschnittstelle im RS485 Format. Durch den Einsatz moderner DSPs beträgt die Latenzzeit (analog zu analog) nur 0,625 ms. Jeder Eingang bietet 8 Equalizer (Low-Shelf, High-Shelf und Parametric EQ), eine Delay-Funktion, ein Noise Gate sowie einen schaltbaren Polaritätswandler. Jeder Ausgang verfügt über 6 Equalizer (Low-Shelf, High Shelf und Parametric EQ), eine Delay-Funktion. Sowohl die High-Pass Filter als auch Low-Pass Filter können in den Betriebsmodi Linkwitz-Riley, Butterworth und Bessel bei einer einstellbaren Flankensteilheit von bis zu 48 dB/Oct. betrieben werden. Jeder Ausgangskanal verfügt über einen einstellbaren Limiter, der die angeschlossene Peripherie schützt. Der Einsatz eines Flash Speicherbausteins als sicheres Langzeitmedium ermöglicht eine hohe interne Speicherkapazität mit Platz für 30 frei konfigurierbare Programme (Presets). Diese können über das Auswahlmenü am Gerät, über 3 frei belegbare Taster mit Schnellwahlfunktion sowie über die PC Steuersoftware geladen werden.



The DC8000 is a digital 4-in / 8-out speaker management matrix system with an internal resolution of 32 bit and 96 kHz sampling rate.

The DC8000 is equipped with 4 analog and digital (AES/EBU© format) inputs, 8 analog outputs and two RS485 remote-connectors. The use of modern and fast DSPs enables a latency (analog to analog) of 0,625 ms only. Each input channel includes 8 equalizers (with low-shelf, high-shelf and parametric function), a delay function and a noise gate. The polarity of each input channel can be switched from + to -. Each output channel includes 6 equalizers (with low-shelf, high-shelf and parametric function) and a delay function. The HPF (high-pass filter) and the LPF (low-pass filter) is part of each output channel. Both offer three different operation modes: Linkwitz-Riley, Butterworth and Bessel (up to 48 dB/Oct). Each output channel includes a high performance limiter. The integrated flash memory chip offers space for 30 presets which can be loaded via the preset-menu, three default-buttons or the PC remote software.



96 kHz
DSPHD
SOUND

RS485NET

HIGH DEFINITION
32 BIT HIGH PERFORMANCE DSP

- 4 Ein- und 8 Ausgänge mit frei wählbarem Routing
- 8 Equalizer pro Eingangskanal
- 6 Equalizer pro Ausgangskanal
- Elektronisch symmetrische Ein- und Ausgänge
- Analoge und digitale (AES/EBU©) Eingänge
- RS485 Anschluss rückseitig
- Leistungsstarker 32-Bit DSP
- 96 kHz AD/DA Wandler (Burr Brown)
- PC-Druckfunktion "DATA VIEW" zur Archivierung
- Hoher Dynamikumfang von > 114 dB



- 4 inputs and 8 outputs with free routing
- 8 equalizers per input channel (low-/high-shelf/parametric)
- 6 equalizers per output channel
- Symmetric inputs and outputs via XLR steel-connectors
- Analog and digital (AES/EBU©) inputs
- RS485 connectors at the rear-panel
- High performance 32-bit DSP (digital sound processor)
- 96 kHz AD/DA converters (Burr Brown)
- PC print function „DATA VIEW“
- Dynamic range > 114 dB

| | |
|---|---|
| Inputs: | 4 (analog & digital AES/EBU©) |
| Outputs: | 8 (analog) |
| Frequency crossovers: | 6 dB/Oct., 12 dB/Oct., 18 dB/Oct., 24 dB/Oct., 48 dB/Oct. (slope), Linkwitz-Riley, Butterworth und Bessel |
| Filters: | 80 parametric EQs, 80 shelving EQs (high shelf or low shelf), 8 low cut filters, 8 high cut filters, 8 limiters / compressors with peak limiter |
| Delay: | 4 master delays (0 ms - 990 ms) 8 channel delays (0 ms - 990 ms) |
| Converting & processing: | Burr Brown© AD/DA converters, 96 kHz sampling rate (internal), 32-Bit processor (DSP), 128-times over sampling, |
| Input connectors: | 4 x Neutrik© XLR female, electronically balanced |
| Input voltage: | 1.55 V / + 6 dBu (nominal) |
| Max. input voltage: | 24.5 V / + 30 dBu |
| Input impedance: | 20 kohms |
| Common mode rejection: | > 70 dB / 1 kHz |
| Output connectors: | 8 x Neutrik© XLR male, electronically balanced |
| Output voltage: | 1.55 V / + 6 dBu (nominal) |
| Max. output voltage: | 8.7 V / + 21 dBu |
| Output impedance: | > 100 ohms |
| Minimum load impedance: | 600 ohms |
| Frequency response: | 20 Hz - 20 kHz (-0.5 dB) |
| S/N ratio: | 114 dB (typical) |
| Distortion: | < 0.01% |
| Display: | 4 x 20 character LCD display with LED background lighting |
| Mains voltage / power consumption: | 90 - 250 V (AC) @ 50 - 60 Hz / 20 W |
| Latency: | 0,625 ms |
| Maximum power consumption: | 20 W |
| Dimensions unit (mm) W x H x D: | 472 x 44 x 277, 19" format, 1 RU/RS (HE) |
| Weight (net / gross): | 3.5 kg / 5 kg |
| Optional Accessories: | URC2: Converter USB / RS485 (# 20065) PATCH1: Patch cable, 1 x XLR, 2 x XLRM (#90034) |

DC4000

32-Bit digital 2-in/4-out speaker management system including RS485 and USB interface.



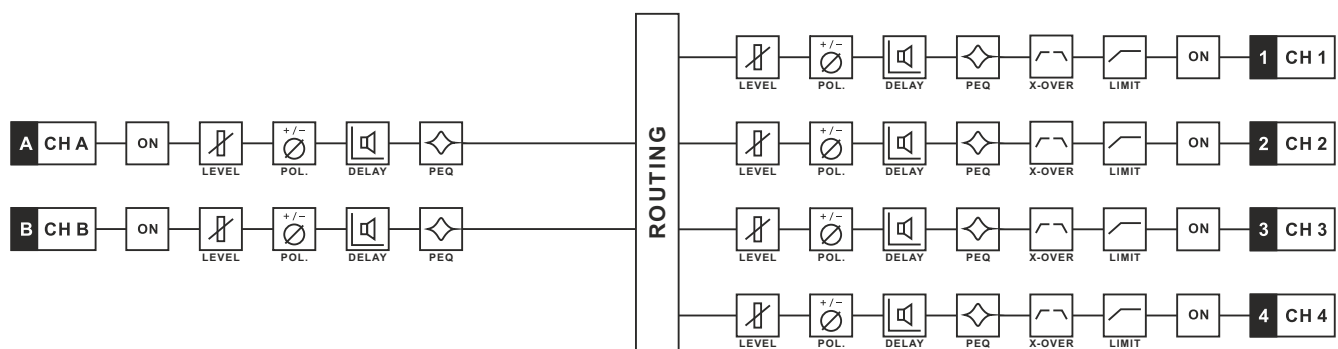
Der DC4000 ist ein digitaler 2- in 4-Wege Systemcontroller mit einer internen Auflösung von 32 Bit und 96 kHz Sampling Rate.

Der DC4000 verfügt über 2 analoge Eingänge, 4 analoge Ausgänge und zwei Remoteschnittstellen (USB und RS485). Durch den Einsatz moderner DSPs beträgt die Latenzzeit (analog zu analog) nur 0,625 ms. Alle Eingänge verfügen über 6 Equalizer (Low-Shelf, High-Shelf und Parametric EQ), eine Delay-Funktion sowie einen schaltbaren Polaritätswandler. Jeder Ausgang verfügt über 6 Equalizer (Low-Shelf, High Shelf und Parametric EQ) und eine Delay-Funktion. Sowohl die HPF (High-Pass Filter) als auch LPF (Low-Pass Filter) können in den Betriebsmodi Linkwitz-Riley, Butterworth und Bessel bei einer einstellbaren Flankensteilheit von bis zu 48 dB/Oct. betrieben werden. Jeder Ausgangskanal verfügt über einen einstellbaren Limiter, der die angeschlossene Peripherie schützt. Der Einsatz eines Flash Speicherbausteins als sicheres Langzeitmedium ermöglicht eine hohe interne Speicherkapazität mit Platz für 30 frei konfigurierbare Programme (Presets). Diese können über das Auswahlmenü am Gerät, über 3 frei belegbare Taster mit Schnellwahl Funktion sowie über die PC Steuersoftware geladen werden.



The DC4000 is a digital 2-in / 4-out speaker management matrix system with an internal resolution of 32 bit and 96 kHz sampling rate.

The DC4000 is equipped with 2 analog inputs, 4 analog outputs and two remote-connectors (USB and Rs485). The use of modern and fast DSPs enables a latency (analog to analog) of 0,625 ms only. Each input channel includes 6 equalizers (with low-shelf, high-shelf and parametric function), and a delay function. The polarity of each input channel can be switched from + to -. Each output channel includes 6 equalizers (with low-shelf, high-shelf and parametric function) and a delay function. The HPF (high-pass filter) and the LPF (low-pass filter) is part of each output channel. Both offer three different operation modes: Linkwitz-Riley, Butterworth and Bessel (up to 48 dB/Oct). Each output channel includes a high performance limiter. The integrated flash memory chip offers space for 30 presets which can be loaded via the preset-menu, three default-buttons or the PC remote software.





- ▶ 2 Ein- und 4 Ausgänge mit frei wählbarem Routing
- ▶ 6 Equalizer pro Eingangskanal
- ▶ 6 Equalizer pro Ausgangskanal
- ▶ Elektronisch symmetrische Ein- und Ausgänge
- ▶ RS485 & USB Interface
- ▶ Leistungsstarker 32-Bit DSP
- ▶ 96 kHz AD/DA Wandler (Burr Brown)
- ▶ PC-Druckfunktion "DATA VIEW" zur Archivierung
- ▶ Hoher Dynamikumfang von > 112 dB



- ▶ 2 inputs and 4 outputs with free routing
- ▶ 6 equalizers p. input ch. (low-/high-shelf/parametric)
- ▶ 6 equalizers p. output ch. (low-/high-shelf/parametric)
- ▶ Symmetric inputs and outputs via XLR steel-connectors
- ▶ RS485 & USB connectors at the rear-panel
- ▶ High performance 32-bit DSP (digital sound processor)
- ▶ 96 kHz AD/DA converters (Burr Brown)
- ▶ PC print function „DATA VIEW“
- ▶ Dynamic range > 112 dB

| | |
|---|---|
| Inputs: | 2 (analog) |
| Outputs: | 4 (analog) |
| Frequency crossovers: | 6 dB/Oct., 12 dB/Oct., 18 dB/Oct., 24 dB/Oct., 48 dB/Oct. (slope), Linkwitz-Riley, Butterworth und Bessel |
| Filters: | 36 parametric EQs, 36 shelving EQs (high shelf or low shelf), 4 low cut filters, 4 high cut filters, 4 limiters |
| Delay: | 2 master delays (0 ms - 987 ms) 4 channel delays (0 ms - 984 ms) |
| Converting & processing: | Burr Brown® AD/DA converters, 96 kHz sampling rate (internal), 32-Bit processor (DSP), 128-times over sampling, |
| Input connectors: | 2 x Neutrik® XLR female, electronically balanced |
| Input voltage: | 1.55 V / + 6 dBu (nominal) |
| Max. input voltage: | 24.5 V / + 30 dBu |
| Input impedance: | 20 kohms |
| Common mode rejection: | > 70 dB / 1 kHz |
| Output connectors: | 4 x Neutrik® XLR male, electronically balanced |
| Output voltage: | 1.55 V / + 6 dBu (nominal) |
| Max. output voltage: | 8.7 V / + 21 dBu |
| Output impedance: | > 100 ohms |
| Minimum load impedance: | 600 ohms |
| Frequency response: | 20 Hz - 20 kHz (-0.5 dB) |
| S/N ratio: | 112 dB (typical) |
| Distortion: | < 0.01% |
| Display: | 2 x 20 character LCD display with LED background lighting |
| Mains voltage / power consumption: | 90 - 250 V (AC) @ 50 - 60 Hz / 20 W |
| Latency: | 0,625 ms |
| Maximum power consumption: | 15 W |
| Dimensions unit (mm) W x H x D: | 483 x 43.6 x 225, 19" format, 1 RU/RS (HE) |
| Weight (net / gross): | 3.5 kg / 5 kg |
| Optional Accessories: | URC2: Converter USB / RS485 (# 20065) PATCH1: Patch cable, 1 x XLRf, 2 x XLRm (#90034) |

X SERIES

High performance class-H power amplifiers.
Durable and long-lasting.



Die Modelle der X-Serie sind zweikanalige Verstärker auf einer Bauhöhe von nur 2 HE (Höheneinheiten).

An der Frontseite befinden sich zwei Level-Potentiometer mit Rasterung sowie der Netzschalter. Das leicht ablesbare LED Display informiert über den Betriebszustand der Endstufen. An der Rückseite befinden sich zwei Eingangsbuchsen und 2 Ausgangsbuchsen (Link) in XLR Bauweise. Die Eingangsempfindlichkeit aller Modelle der X-Serie beträgt 32 dB. Die Leistungsausgänge beider Kanäle sind in SPEAKON® Variante ausgeführt. Am Ausgang 1 liegt auf den Pins 2 (+/-) zusätzlich das Signal des Ausgangs 2 an. Dies ermöglicht eine vierpolige Verkabelung von 2-Wege Lautsprecher-Systemen. Die Leistungsausgänge beider Kanäle sowie der Bridge Ausgang stehen ebenso über Binding Posts zur Verfügung. Die Betriebsmodi Stereo, Parallel und Bridge können über einen Schalter ausgewählt werden. Der Limiter kann an einem Schalter ein- oder ausgeschaltet werden. Alle Modelle der X-Serie verfügen über eine Einschaltverzögerung mittels Relais, welche das Ansprechen von Netzsicherungen verhindern. Ebenso werden die Leistungsausgänge verzögert zugeschaltet.

Features

- Professionelle Audioqualität und robuste Verarbeitung
- Temperaturgesteuerte Hochleistungslüfter
- Schaltbare Limiter zur Vermeidung von Verzerrungen
- SPEAKON® Buchsen & Binding Posts in den Ausgängen
- Umfangreiches Paket an Schutzschaltungen



The X-series amplifiers are two-channel amplifiers at a compact size of 2 HU (rack spaces) only.

The front panel shows two gain controls for easy access and the main switch. The LED display informs about the condition of the amplifiers. The rear side shows two XLR input connectors and two XLR output connectors (link). The input sensitivity (gain) is 32 dB at all models. Two SPEAKON® outputs and four binding posts are mounted at the rear side. The SPEAKON® connector of output 1 (left) is connected at all four poles. This connector offers the output signal of channel 2 (right) at the pins. This enables a four-pole connection of two-way speaker systems with one speaker cable only. The bridged output is available at the binding posts. The X-series amplifiers can be switched into three different operation modes: stereo, parallel and bridge mode. The limiters can be switched on or off. All models are equipped with a switch-on delay to protect the connected speakers.

Features

- Professional audio quality and robust processing
- High performance fans, controlled by temperature sensors
- Clip limiters
- SPEAKON® output connectors (Neutrik®) and binding posts
- Comprehensive package of safety circuits



nova

X 2000

High Precision Professional Power Amplifier



X 800
Class-H



X 1200
Class-H



X 2000
Class-H

| | | | |
|---|------------------------------------|------------------------------------|------------------------------------|
| 8 ohms per channel (watt): | 250 | 400 | 650 |
| 4 ohms per channel (watt): | 400 | 600 | 1.050 |
| 2 ohms per channel (watt): | 550 | 820 | 1.500 |
| 8 ohms bridged (watt): | 950 | 1.250 | 2.050 |
| 4 ohms bridged (watt): | 1.050 | 1.400 | 2.950 |
| THD at 1 kHz and 1 dB below clipping: | 0.05 % | 0.05 % | 0.05 % |
| THD at 100 kHz and 1 dB below clipping: | 0.06 % | 0.06 % | 0.06 % |
| THD at 10 kHz and 1 dB below clipping: | 0.1 % | 0.1 % | 0.1 % |
| Hum and noise: | 1.0 mV (95 dB) | 1.0 mV (95 dB) | 1.0 mV (95 dB) |
| Channel separation at 10 kHz: | 54 dB | 54 dB | 54 dB |
| Output impedance: | 600 ohms | 600 ohms | 600 ohms |
| Slew rate: | 30 V / μ s | 30 V / μ s | 30 V / μ s |
| Input Impedance: | 20 k ohms bal. / 10 k ohms bal. | 20 k ohms bal. / 10 k ohms bal. | 20 k ohms bal. / 10 k ohms bal. |
| Common mode rejection: | 60 dB | 60 dB | 60 dB |
| Gain controls: | 41 pos. detend | 41 pos. detend | 41 pos. detend |
| Clip indicators: | LED | LED | LED |
| Output headroom indicators: | LEDS | LEDS | LEDS |
| Input connectors: | Neutrik® XLR female | Neutrik® XLR female | Neutrik® XLR female |
| Link connectors: | Neutrik® XLR male | Neutrik® XLR male | Neutrik® XLR male |
| Mode switch: | Stereo/bridge/parallel | Stereo/bridge/parallel | Stereo/bridge/parallel |
| Limit switch: | On / off | On / off | On / off |
| Output connectors: | Neutrik® SPEAKON® 4-pol. NL4 | Neutrik® SPEAKON® 4-pol. NL4 | Neutrik® SPEAKON® 4-pol. NL4 |
| Operation voltage: | 198 - 242 volts | 198 - 242 volts | 198 - 242 volts |
| Soft start: | Yes | Yes | Yes |
| Peak inrush current: | 5 A | 5 A | 5 A |
| Full output power at 4 ohms: | 210 - 242 V | 210 - 242 V | 210 - 242 V |
| Minimum start-up voltage: | 198 V | 198 V | 198 V |
| Maximum power consumption: | 1.200 W | 1.800 W | 2.500 W |
| Dimensions unit (mm) W x H x D: | 483 x 89 x 400 | 483 x 89 x 400 | 483 x 89 x 400 |
| Dimensions packing (mm) W x H x D: | 570 x 160 x 480 | 570 x 160 x 480 | 570 x 160 x 480 |
| Weight (net / gross): | 16 kg / 18 kg | 17 kg / 19 kg | 20 kg / 22 kg |

DXI 8200

Light weighted 8-channel class-D switch mode power amplifier with 8 x 200 W (RMS).



Die DXI8200 ist ein 8-Kanal Verstärker auf einer Bauhöhe von 2 HE (Höheneinheiten).

An der Frontseite befinden sich 8 versenkte Level-Potentiometer, 8 Mute-Schalter sowie der Netzschalter. Das leicht ablesbare LED Display informiert über den Betriebszustand der Endstufen. An der Rückseite befinden sich 8 Eingangsbuchsen und 8 Ausgangsbuchsen. Die Eingangsempfindlichkeit der DXI8200 beträgt 32 dB. Die Leistungsausgänge aller Kanäle sind in Barrier Strip Variante ausgeführt. Im teilgebrückten Modus leistet die DXI8200 insgesamt 2 x 400 Watt (8 Ohm) plus 4 x 200 Watt RMS (4 Ohm). Die Betriebsmodi Stereo, Parallel und Bridge können über vier Schalter an der Geräterückseite ausgewählt werden. Die DXI8200 verfügt über eine Einschaltverzögerung mittels Relais, welche das Ansprechen von Netzsicherungen verhindern. Ebenso werden die Leistungsausgänge verzögert zugeschaltet.

Features

- ▶ 8-Kanal Verstärker mit 8 x 200 Watt RMS / 4 Ohm
- ▶ Schaltnetzteil für geringes Gewicht (nur 8 kg)
- ▶ Kompaktes Design und einfache Bedienung
- ▶ Integrierte Limiter zur Vermeidung von Verzerrungen
- ▶ Class-D Technologie für hohe Effizienz
- ▶ Euroblock Buchsen in den Eingängen
- ▶ Barrier Strip Buchsen in den Ausgängen (Stecker im Lieferumfang)
- ▶ Umfangreiches Paket an Schutzschaltungen
- ▶ Einschaltverzögerung über Relais



The DXI8200 is a 8-channel power amplifier at a compact size of 2 HU (rack spaces).

The front panel shows 8 gain controls for easy access, 8 mute-switches and the main switch. The LED display informs about the condition of the amplifiers. The rear side shows 8 input-connectors and 8 output-connectors. The input sensitivity (gain) is 32 dB each channel. The outputs offer barrier strip connectors. The DXI8200 can be used also in half-bridged mode (2 x 400 watts plus 4 x 200 watts RMS / 4 ohms). The DXI8200 can be switched into three different operation modes: stereo, parallel and bridge mode. The independent limiters can be switched on or off. All models are equipped with a switch-on delay to protect the connected speakers.

Features

- ▶ 8-channel power amplifier (8 x 200 watts RMS / 4 ohms)
- ▶ SMPS (switch mode power supply / 8 kg only)
- ▶ Compact design and lightweight construction
- ▶ Independent clip limiters
- ▶ Class-D technology for high efficiency
- ▶ Euroblock connectors at inputs
- ▶ Barrier strip connectors at outputs (cable-plugs included)
- ▶ Comprehensive package of safety circuits



DXI 8200

Class-D

| | |
|---------------------------------------|-------------------------------------|
| 8 ohms per channel (watt): | 130 (x 8) |
| 4 ohms per channel (watt): | 200 (x 8) |
| 8 ohms bridged (watt): | 400 (x 2 max. in bridge mode) |
| THD + N at 1 kHz half power @ 4 ohms: | <0.5 % |
| Damping factor: | 600 |
| Channel separation at 10 kHz: | <60 dB |
| Input Impedance: | 40 k ohms bal. / 20 k ohms bal. |
| Common mode rejection: | 70 dB |
| Gain controls: | 8 |
| Clip / protect indicators: | LEDS |
| Output headroom indicators: | LEDS |
| Input connectors: | Euroblock |
| Link connectors: | n/a |
| Mode switch: | Stereo / bridge / parallel |
| Limit switch: | n/a |
| Output connectors: | Barrier Strip (connectors included) |
| Operation voltage: | 220 - 242 volts |
| Soft start: | Yes |
| Switch mode power supply (SMPS) | Yes |
| Maximum power consumption: | 1.300 W |
| Dimensions unit (mm) W x H x D: | 483 x 89 x 431 |
| Dimensions packing (mm) W x H x D: | 544 x 123 x 544 |
| Weight (net / gross): | 8 kg / 10 kg |

MX3.2 K4

Light weighted 4-channel class-D switch mode power amplifier with 4 x 800 W (RMS).



MX3.2 K4
Class-D

| | |
|--|-------------------------------------|
| 8 ohms per channel (watt): | 400 (x 4) |
| 4 ohms per channel (watt): | 800 (x 4) |
| THD+N at 1 kHz @ 8 ohms, 3 dB below rated power: | < 0.05 % |
| IMD at 60 Hz + 7 kHz @ 8 ohms, 3 dB below rated power: | < 0.05 % |
| Slew rate: | 30 V / μ s |
| Damping factor: | > 300 |
| Signal/noise rate: | > 105 dB |
| Channel separation at 1 kHz: | > 60 dB |
| Input Impedance: | 10 k ohms bal. (+/- 1%) |
| Common mode rejection: | > 70 dB |
| Gain controls: | 4 |
| Clip / protect indicators: | LEDS |
| Output headroom indicators: | LEDS |
| Input connectors: | 4 x XLR female (NEUTRIK®) |
| Link connectors: | 4 x XLR male (NEUTRIK®) |
| Dynamic limiter: | full automatic |
| Cooling: | air draft (fan with stepless speed) |
| Output connectors: | 4 x SPEAKON NL4 (NEUTRIK®) |
| Operation voltage: | 220 - 245 volts |
| Soft start: | Yes (5 sec.) |
| Switch mode power supply (SMPS) | Yes |
| Maximum power consumption: | 10 A / 230 V (2.300 W max.) |
| Dimensions unit (mm) W x H x D: | 483 x 89 x 365 |
| Dimensions packing (mm) W x H x D: | 544 x 123 x 500 |
| Weight (net / gross): | 8 kg / 10 kg |

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