

**CODA**  
C O D A A U D I O



CATALOGUE

## Coda Audio – European designer and manufacturer of high quality speaker systems

Coda Audio is a leading designer and manufacturer of the highest quality pro-audio loudspeaker systems. We believe that developing a good loudspeaker system starts with designing the correct drivers. Due to our unique, patented driver design, Coda Audio loudspeaker systems are extremely transparent and detailed, providing outstanding dynamic results. Coda Audio's advanced transducer technology offers significant advantage over conventional drivers in precision and reliability. Almost all critical parts of the cabinets and the drivers are produced in Europe, in our own factories, to ensure exacting and extensive control of all results. Voice coil winding, diaphragm forming, CNC machining is all undertaken internally by highly qualified professionals.

Durability and reliability are most important in all professional applications. Rugged construction, featuring Baltic birch plywood for the cabinets and a very intensive testing process ensure reliability and consistency. The fact that our entire manufacturing process takes place in our own factories has produced a substantial reduction in cost and a high degree of flexibility and efficiency. The wide product range is designed to offer excellent quality solutions which are able to satisfy the most discerning and complex of professional sound reinforcement applications. Coda Audio is represented via a global network of international distributors.

We believe that the best way to get to know us better is by listening to our loudspeakers because:

### HEARING IS BELIEVING



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## LINUS-Series



Having total control of your art - LINUS systems by Coda Audio  
More power, more control, more communication, more efficiency

The creation of Coda Audio's own Power/DSP platform, encompassing a range of two and four channel DSP/amplifiers, with audio networking, graphical user interface all designed to be the future proof control/power platform for all Coda Audio speaker systems.

The first product in the range is the LINUS10 a dual channel DSP, Network, Comparator and Amplifier delivering 10000 W of clean power in a light weight 19"/2U package. The exceptional power of the LINUS10 ensures maximum headroom and optimal system performance for all Coda Audio touring systems. This engine technology, already tried and tested, is now combined with; LINUS CORE – the dual SHARC floating point DSP processors, ensuring vast processing power which enables the integration of sophisticated audio algorithms for the most exacting results. The advanced signal processing includes IIR and phase linear FIR filters for perfect linearity and superior sound performance as well as look-ahead and frequency dependent limiters for increased system headroom.

LiNET transmits the digital audio signal over a standard CAT5 cable. Up to 8 digital audio signals can be sent to each amplifier via LiNET, buffered and sent to the next unit via the LiNET link out for daisy chaining. The signal routing inside the LINUS10 can be controlled remotely or via the unit's front panel controls.

LINUS LIVE is an Ethernet based, graphical user interface, allowing for fast and flexible system configuration, tuning and control, intuitive and straight forward in design, fast and practical in use.

LINUS CORE/LiNET/LINUS LIVE a far reaching and powerful set of technologies applied to each LINUS device, allowing complete system integration, configuration and ultimate control. Completing the LINUS10's technology count is the COMPARATOR - the LINUS10 provides integrated feedback loop control for sensor controlled subwoofers. The Comparator's electronic circuit loop measures the voice coil movement and adjusts the amplifier driving voltage and/or current to correct any driver inaccuracy. The key advantage is a very extended and controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback.

LINUS CON is a 4 input / 6 output speaker management system featuring IIR and FIR filtering, delivering all the LINUS technologies in a standalone controller which provides ultimate system design configuration flexibility for applications where outboard controller options are preferred. It also allows for LINUS DSP upgrades for existing systems. Complete with LINUS CORE/LiNET/LINUS LIVE technology, LINUS CON joins LINUS10 as the first products in the LINUS family to be introduced from a range that will see additional multi-channel amplifiers/DSP products released during the course 2014.

## LINUS RACK20



LINUS RACK20

- LINUS RACK 20
- 2x LINUS10 amplifiers
- 7U Touring Case
- PAN4 Connector panel 1U
- PD32 Power distribution
- Internal cables
- Cover

### Application:

LINUS RACK20 is optimized to power Compact Coda Line Array Line Array Systems, Sensor controlled Subwoofers and as an addition to AiRAY Line Array Systems.

Coda Audio's LINUS Tour racks, LINUS RACK20 and LINUS RACK40, provide complete housing and system connection solutions for ease of use and rugged protection for all Coda Audio Line Array and SC systems.

With an internal shock-mount steel suspension system providing maximum protection to the LINUS amplifiers, the rack design also features a rack to rack connection system allowing for flown or ground stacked positioning and the connection point for the transport system.

The racks also provide an advanced front facing cable connection patch panel and rear mounted AC mains distribution system designed to facilitate quick and accurate set-up.

In addition, the LINUS DSP platform provides factory presets for all Coda Audio Product, therefore along with providing FOH system control these racks can be used for application such as; monitor system, delay systems, zoned systems, in fact wherever you need power & processing for your Coda system. The LINUS touring rack has an advanced set of technical and physical solutions that will deliver across all application areas. Smart in design highly durable in construction and constant in delivering highest

## LINUS RACK40



LINUS RACK40

- 4x LINUS10 amplifiers
- 11U Touring Case
- PAN8 Connector panel 2U
- PD32-6 Power distribution
- Internal cables
- Cover

### Application:

LINUS RACK40 is optimized to power the Coda Audio large touring products including: AiRAY Line Array Systems, Sensor Controlled Subwoofers, Compact Line Array Systems (bi-amp) in larger configurations.

possible results the rack design completes the Coda Audio systemisation concept for touring/temporary applications. For fixed Installations the LINUS RACK20i and LINUS RACK40i provide a none shock-mount / AC distribution version. Both maintain the same LINUS amplification and patch panel systems and this allows continuity for venues which may need to increase installed systems size/location on temporary basis with ease from local hire networks. "LINUS Technology" delivers in all areas to all audio professionals.

TECHNICAL SPECIFICATIONS	LINUS RACK20	LINUS RACK40
Size:	19"/7U	19"/11U
Number of amplifiers:	2	4
Shock mounts:	yes	yes
Doors:	sliding doors	sliding doors
Castors:	optional dolly DOT-RC	optional dolly DOT-RC
Power distribution:	PD32, 3x 32A	PD32-6
Connector panel:	PAN4	PAN8
Soft cover:	yes	yes
Weight:	64 kg	98 kg

LINUS10



- Integrated DSP, Network, Comparator and Amplifier solution
- 2 x 4955W @ 4 Ohms
- High output voltage (200V peak) provides plenty of headroom
- True Class H design for superior sound performance
- SMPS with automatic selection for 115 V or 230 V
- SHARC floating point DSP @ 96 kHz
- 2 balanced analogue inputs
- AVB compatible

**Description:**

The LINUS10 is a dual channel DSP, Network, Comparator and Amplifier delivering 10000 W of clean power in a light weight 19"/2U package. The exceptional power of the LINUS 10 ensures maximum headroom and optimal system performance for all Coda Audio touring systems.

LINUS10

2-channel DSP amplifier

- LiNET – 8x freely configurable digital audio signals over a CAT5 cable
- 2 dynamic comparators for use with Coda Audio sensor controlled subwoofers
- Advanced IIR and linear phase FIR filters
- LINUS LIVE - Network Control and Monitoring of amplifiers over Ethernet
- Factory presets for all Coda Audio loudspeaker systems
- 6 year warranty

LINUS10 ENGINE - the hybrid class H output stage topology delivers audiophile sonic accuracy with enormous headroom providing significant improvement of the system performance in dynamic and transparency.

APPLICATIONS – containing factory presets for all Coda Audio loudspeaker systems LINUS10 is ideally suited to touring and installation applications.

TECHNICAL SPECIFICATIONS LINUS10	
<b>GENERAL</b>	
Channels	2 inputs (Analogue, LiNET) routable to any of the 2 outputs
<b>AUDIO</b>	
Input impedance	12k balanced
Max Input level	+21dBu
Output noise (analogue input)*	< -107 dB (unweighted) / -110dB (A-weighted)
Output noise (digital input)*	< -116 dB (unweighted) / -119dB (A-weighted)
Frequency response	(20 Hz - 20 kHz) + /-0.1 dB at 4 Ohms
THD+N (20 Hz – 20 kHz)	< 0.01%, 8 Ohms P/2
SMPTE (20 Hz – 20 kHz)	< 0.01%, 8 Ohms P/2
Damping Factor	> 400
<b>DSP</b>	
Inputs	2x
Outputs	2x
Processor:	Analog Devices SHARC DSP
Sampling rate	96 kHz / 32 bit floating point
Presets	190 Factory and 10 User presets
<b>COMPARATOR</b>	
Comparator channels	2x
<b>AMPLIFIERS</b>	
Number of channels	2x
8 Ω*	2x 2300 W
4 Ω*	2x 4000 W
2 Ω*	2x 5100 W
Peak***	2x 5300 W
Output Circuitry	Class H
Output Voltage	200V/pk
* All channels driven, 1 kHz, >1% THD @VAC	

TECHNICAL SPECIFICATIONS LINUS10	
<b>FRONT PANEL</b>	
Power on/off switch	yes
Display	yes
Mute buttons	each channel
Menu buttons	provide front panel control
Signal, Limit, Protect LEDs	each channel
Comparator LEDs	2 x disconnected sensor (red)
Input signal detection LEDs	Analogue, LiNET
Ethernet LED	yes
Standby LED	yes
<b>REAR PANEL</b>	
Balanced analogue inputs	2 x XLR / F
Link analogue signal	2 x XLR / M
LiNET input	RJ45
LiNET daisy-chain link	RJ45
LINUS LIVE (User interface)	RJ45 (Ethernet)
LINUS LIVE daisy-chain link	RJ45 (Ethernet)
AUX	RJ45
Sensor inputs	XLR/F - 5Pol
Amplifier outputs	2 x NL4
Mains	Neutrik PowerCon 32A
<b>MAINS POWER</b>	
	Dual-voltage SMPS with automatic voltage selection
	230V: 180 - 267V (47-63 Hz)
	120V: 70 - 134V (47-63 Hz)
Net Weight	14 kg
Shipping weight	15.6 kg
Dimensions (WxHxD)	483 x 88.9 x 453 mm (19" x 3.5" x 17.8")
Shipping Dim. (WxHxD)	540 x 135 x 615 mm (0.045 m³), (21.3" x 5.3" x 24.2")
** Peak Power at 4 Ohm, component tolerance dependent (+/- 1.25%)	

LINUS CON

LINUS CON

## 4 channel loudspeaker management system



- 4 inputs and 4 outputs (LiNET)
- SHARC floating point DSP @ 96 kHz
- High quality A/D/A converters with 24-bit resolution @ 96kHz
- LiNET – 8x freely configurable digital audio signals over a CAT5 cable

- Advanced IIR and linear phase FIR filters
- LINUS LIVE - Network Control and Monitoring of amplifiers over Ethernet
- Factory presets for all Coda Audio loudspeaker systems
- 6 year warranty

**Description:**

The LINUS CON loudspeaker management system is designed to control all Coda Audio loudspeaker systems. The 19"/1U unit incorporates 4 balanced analogue inputs, 4 outputs (analogue and AES3) and can receive up to 8 digital signals via LiNET.

The unit can be controlled directly from its front panel or using the Ethernet based LINUS LIVE user interface.

APPLICATIONS – containing factory presets for all Coda Audio loudspeaker systems, LINUS CON is ideally suited to touring and installation applications.

## TECHNICAL SPECIFICATIONS LINUS CON

## GENERAL

Channels	4 inputs (Analogue, LiNET, AVB) routable to any of the 4 outputs
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## AUDIO

Input impedance	12k balanced
Max Input level	+18dBu
Output noise (analogue input)*	< -114 dB (unweighted) / -117dB (A-weighted)
Output noise (digital input)*	< -117 dB (unweighted) / -120dB (A-weighted)
Frequency response	
(10 Hz - 30 kHz)	+ /-0.5 dB
THD + N (20Hz-20kHz)	< 0.001%

## DSP

Inputs	4x
Outputs	4x
Processor	Analogue Devices SHARC DSP
Sampling rate	96 kHz / 32 bit floating point
Presets	190 Factory and 10 user presets

## TECHNICAL SPECIFICATIONS LINUS CON

## FRONT PANEL

Balanced analogue inputs	4x XLR / F
LiNET input	RJ45
LiNET daisy-chain link	RJ45
Ethernet input	RJ45
Ethernet daisy-chain link	RJ45
Display	yes
Mute buttons	each channel
Menu buttons	provide front panel control
Signal, Limit, Protect LEDs	each channel
Input signal detection LEDs	Analogue, LiNET
Ethernet LED	yes
Standby LED	yes

## REAR PANEL

Balanced analogue in and outputs	SubD 25
AUX	RJ45
Balanced analogue outputs	4 x XLR / M
AES3 outputs	2 x XLR / M
Mains	Neutrik PowerCon 20A

MAINS POWER	90 - 264V (47-63 Hz)
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Net Weight	3.4 kg (6.8 lbs)
Shipping weight	3.8 kg (7.7 lbs)
Dimensions (WxHxD)	483 x 44 x 216 mm (19" x 1.75" x 8.5")
Shipping Dim. (WxHxD)	510 x 80 x 360 mm (20" x 3.15" X 14.17")

\* Noise measurement is referenced to Fullscale Outputlevel +18dBu with transparent DSP-Settings



## LINUS10-C



## LINUS10-C

4-channel DSP amplifier

- Integrated DSP, network and amplifier solution
- High efficiency Class D amplifier engine
- Light weight SMPS power supply
- SHARC floating point DSP @ 96 kHz
- 4 balanced analogue inputs
- LiNET-C: 4 x freely configurable digital audio signals over a CAT5 cable

- LINUS LIVE - Network Control and Monitoring of amplifiers over Ethernet
- Coda Audio factory presets using advanced linear phase FIR filters
- 6 years warranty

The LINUS-C is a range of 4 channel loudspeaker management amplifiers providing 10.000 W (LINUS10-C) or 5.000 W (LINUS5-C) total RMS power output. Aimed at both installation and mobile applications the light 19"/2U package incorporates 4-in, 4-out DSP, Network and Amplification to deliver maximum flexibility, reduced rack space, less weight and summary reduced system cost.

**LINUS-C ENGINE** - the class D output stage topology delivers high power with enormous headroom providing significant improvement of the system performance in dynamic and transparency.

**LINUS-C CORE** – the SHARC floating point DSP processor ensures a lot of processing power enabling the integration of sophisticated audio algorithms. The advanced signal processing includes IIR and phase linear FIR filters for perfect linearity and superior sound performance as well as look-ahead and frequency dependent limiters for increased system headroom.

**LiNET-C** - transmit digital audio over a standard CAT5 cable. Up to 4 digital audio signals can be sent to each amplifier via LiNET-C, buffered and sent to the next unit via the LiNET-C link out for daisy chaining. The signal routing inside the LINUS-C can be done remotely or using the encoder on the front panel. LiNET-C is compatible to LiNET, but limited to only four digital audio signals.

**LINUS LIVE** – Ethernet based graphical user interface for fast and flexible system configuration, tuning and control.

TECHNICAL SPECIFICATIONS LINUS5C + LINUS10C		
GENERAL		
Channels	4 inputs (analog / digital) routable to any of the 4 outputs	
AUDIO		
Input impedance	16k balanced	
Max Input level	+18dBu	
Output noise (analog input)	< -112 dB (unweighted) / -115dB (A-weighted)	
Output noise (digital input)	< -114 dB (unweighted) / -117dB (A-weighted)	
Frequency response	(20 Hz - 20 kHz) + /-0.3 dB at 4 Ohms	
THD+N, IMD (20 Hz-20 kHz)	< 0.009%, 4 Ohms P/2	
Damping Factor	> 600	
DSP		
Inputs	4x	
Outputs	4x	
Processor	Analog Devices SHARC DSP	
Sampling rate	96 kHz / 32 bit floating point	
Presets	24 Factory and 10 User presets	
OUTPUT POWER		
Peak power 100 Hz burst / 12 dB Crest factor on each channel, tolerance dependent (+/- 1.25%)		
	LINUS5-C	LINUS10-C
8 Ohm	4x 900 W	4x 3200 W
4 Ohm	4x 1600W	4x 5200 W
2 Ohm	4x 2800 W	4x 6000 W
RMS power		
	LINUS5-C	LINUS10-C
8 Ohm	4x 400 W	4x 1400 W
4 Ohm	4x 700 W	4x 2200 W
2 Ohm	4x 1250 W	4x 2500 W



## LINUS5-C



## LINUS5-C

4-channel DSP amplifier

## TECHNICAL SPECIFICATIONS LINUS5C + LINUS10C

## FRONT PANEL

Power on/off switch	yes
Display	yes
Mute buttons	each channel
Encoder	provides front panel control
Signal, Limit, Protect LEDs	each channel
Input signal detection LEDs	analog / digital
Ethernet LED	yes
Standby LED	yes

## REAR PANEL

Balanced analog inputs	4 x XLR / F + RJ45 (parallel)
Link analog signal	RJ45
LiNET-C input	RJ45
LiNET-C daisy-chain link	RJ45
LINUS LIVE (User interface)	RJ45 (Ethernet)
Amplifier outputs	Neutrik™ Speakon 2 x NL4, 1 x NL8
Mains	Neutrik™ Powercon 32A

Mains power	SMPS
230V	165 - 264V (47-63 Hz)
120V	85 - 132V (47-63 Hz)
100V	80 - 120V (47-63 Hz)

## PHYSICAL

	LINUS5-C	LINUS10-C
Net Weight	10.7 kg / 23.5 lbs	14.3 kg / 31.6 lbs
Dimensions (W x H x D)	483 x 88.9 x 453 mm	(19" x 3.5" x 17.8")
Shipping Dim. (W x H x D)	540 x 135 x 615 mm	(21.3" x 5.3" x 24.2")

## APPLICATIONS

Containing factory presets for Coda Audio loudspeaker systems LINUS-C amplifiers offer a flexible, cost effective solution for permanent installation, small touring, corporate AV and portable applications.

## Factory presets LINUS10-C:

ViRAY, TiRAY, CoRAY, HOPS, G-Series, D-Series, CUE-Series, U-Subs, PW-Subs

## Factory presets LINUS5-C:

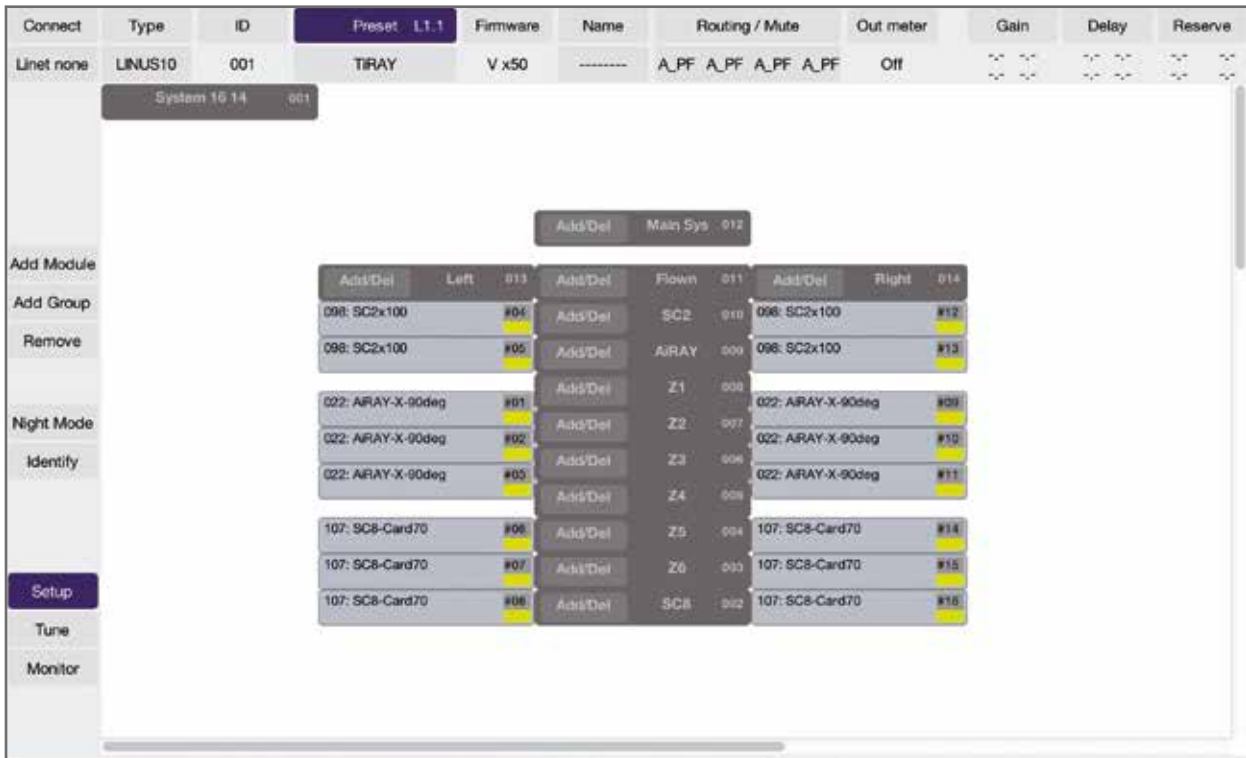
D-Series, G300/G500, CoRAY, HOPS, TiRAY, OMNIO5, PW12/112/115/118-Subs

All factory presets are designed using Linear Phase FIR filters to improve clarity and response.

What is the difference between LINUS and LINUS-C amplifiers?

	LINUS	LINUS-C
Presets	200x	34x
Digital audio inputs	LiNET 8x dig. signals	LiNET-C 4x dig. signals
Input delay	3000ms	400ms
Output I/U measurements	yes	no
Comparator	yes	no
AUX for evacuation message	yes	no
Upgradable to Dante/AVB	yes	no
Amplifier engine	Class H / N-Core	Class D
Automatic selection 115/230V	yes	no
Display	yes	yes (smaller)
Ethernet	IN + LINK	IN only

## LINUS Live Software



## LINUS Live Software

### NEXT GENERATION REMOTE CONTROL GRAPHICAL USER INTERFACE FOR LINUS PRODUCTS

All LINUS communication is via Ethernet using secured TCP and UDP protocols.

Allows fast and flexible system configuration, tuning and control, intuitive and straight forward system design.

LINUS Live operates, controls and monitors LINUS Racks and is applicable for touring and installation applications starting from 1 to 99 modules.

Flexible audio input matrix configuration for LINET and analog audio inputs (with fallback option).

Modules can be controlled via multiple groups layers which deliver a perfect overview, quick operation and control.

Unique tuning tools allow a quick and easy system tuning generating a linear phase at any time.

The software bundle includes all necessary data, such as the complete preset library for the full Coda Audio product range.

LINUS Live can be used in offline mode for future event preparation, loading the required system definition into the LINUS modules onsite to save time.

# LINUS Live Software

The screenshot displays the LINUS Live Software interface. At the top, a table lists system configurations:

Connect	Type	ID	Preset	Firmware	Name	Routing / Mute	Out meter	Gain	Delay	Reserve
Linet none	LINUS10	001	TIRAY	V x50	-----	A_PF A_PF A_PF A_PF	Off	...	...	...

Below the table, a hierarchical tree structure shows the system components:

- Mute System 16 14 001
  - Mute Main Sys 012
    - Mute Left 013
      - 098: SC2x100 #04
      - 098: SC2x100 #05
      - 022: ARRAY-X-90deg #01
      - 022: ARRAY-X-90deg #02
    - Mute Flown 011
      - Mute SC2 019
      - Mute ARRAY 009
      - Mute Z1 008
      - Mute Z2 007
    - Mute Right 014
      - 098: SC2x100 #12
      - 098: SC2x100 #13
      - 022: ARRAY-X-90deg #09
      - 022: ARRAY-X-90deg #10

The bottom section features a central frequency response graph for 'Main Sys' with a red line at 0 dB. To the left is a control panel with buttons for Gain (0.0 dB), Delay (0.0 ms), and Array (1.0 x), along with a vertical gain slider. To the right is another control panel with various EQ and processing options like EQ1-4, Distance (0.0 m), Sizing (1.0 x), HF Shelf (0.0 dB), Human, LowBoost, and SubSonic.



## DATAD



### LiNET Master

- Simple and easy to use
- Extremely reliable
- Redundancy support
- Very long distances of 300m or more
- 96kHz sampling rate
- Cost efficient
- Low latency
- Supported by all LINUS amplifiers and racks

As an essential part of Coda Audio total system solution, LiNET transmits up to 8 digital audio signals with low latency at very long distances (300 m using CAT5 or even longer using CAT7 cables).

It is extreme reliable, easy to use solution for touring, sport events, theater, stage monitors, corporate events, product presentations, nightclubs, A/V rooms, house of worship and many other professional applications requiring high performance redundant digital audio transport and distribution.

#### SYSTEM COMPONENTS

##### LiNET Master

- 19" / 1U
- Converts AES/EBU to LiNET
- 4x AES/EBU inputs (8 channels)
- 1x LiNET input (8 channels)
- 4x LiNET Outputs
- Word Clock
- Sample rate 44.1 – 192kHz
- Two redundant power supplies
- Can be connected via CAT5 cable to all LINUS amplifiers and racks as well as LiNET Switch
- Redundant connection to LiNET Switch using two CAT5 cables

LiNET Master is in fact the bridge between a mixing console and the Coda digital audio network.

It serves as a perfect AES/EBU frontend ensuring ultimate compatibility to the entire audio chain.

High quality 44.1 – 192kHz sample rate converters and word clock without jitter guarantees excellent audio transmission with perfect synchronization at distances of 300 m or more.



DATAD



LiNET Switch



ATEC

#### LiNET Switch

---

- 19" / 1U
- 2x LiNET Inputs
- with Fall-Back function
- 4x LiNET Outputs
- Zero latency

The two LiNET inputs with Fall-Back functionality allow redundant audio connection to the LiNET Master. All 4 LiNET outputs (4x 8 channels) are refreshed with no latency so that multiple units can be operated time aligned to a distance of 300 m or more.

#### ATEC

---

- 9.5"
- AES to Ethernet Converter
- Transmits digital audio plus software remote control with a single CAT5 cable
- Merges 2 AES/EBU pairs (4 channels) and an Ethernet switch to a single EtherCON connector
- Simple and easy to use
- Extremely reliable
- Cable lengths up to 100m (limited only by Ethernet)
- Sample rate 44.1 – 192kHz
- Word clock
- Low latency
- Affordable
- Can be connected via CAT5 cable to all LINUS-C amplifiers and LINUS racks

ATEC is in fact the crossing point between a mixing console, computer and the Coda digital audio network and control.

Based on the advanced LiNET technology and optimized for small system setups, ATEC is an ideal all-in-one solution for transmission of up to 4 digital audio signals plus LINUS Live software remote control using a single CAT5 cable.

High quality 44.1 - 192kHz sample rate converters and word clock without jitter guarantees excellent audio transport with perfect synchronization

ATEC is extreme reliable, easy to use and cost effective solution for corporate events, product presentations, small live reinforcement systems, DJs, nightclubs, A/V rooms, stage monitors, house of worship and many other professional applications requiring high performance digital audio transport.

It serves as a perfect AES/EBU front end ensuring ultimate compatibility to the entire audio chain.

AiRAY

AiRAY



AiRAY

## 3-way full range line array module

- 2x 12", 3-way high output system
- Exceptionally compact (674 x 359 x 570 mm)
- Exceptionally light ~40 kg
- High power handling of 2000 W
- Frequency range: 50 Hz – 22 kHz
- Variable horizontal coverage of 90°, 120° or asymmetrical 105°
- Superior sound with linear phase response
- Vertical curving array dependent: 0°, 0.5°, 1°, 2°, 2.5°, 3° to 8° in 1°-steps
- Integrated 3 point rigging system for flown or ground stacked arrays compatible to ViRAY, SC2-F and SCV-F
- Multiplex enclosure with Polyurea coating for extreme durability and water protection
- System integration with LINUS RACKs

- System Components: LINUS RACKs, SCV-F, SC2-F, SCP-F

AiRAY systems incorporate Coda's most advanced technologies; including the DDP-Driver (Dual Diaphragm Planar-wave-driver), the unique AiCOUPLER, the award winning sensor controlled subwoofer technology and linear phase DSP processing.

**OVERVIEW**

The AiRAY is a fully integrated compact 2x 12" / 3-way line array system, designed for wide varieties of applications where high output, even coverage and outstanding intelligibility is required.

The AiRAY unique package brings together the high output of a large system with the flexibility of a compact system creating a new category in large reinforcement systems.

**BENEFITS**

Reduced cost of operation:

Designed to be set up from a single person, AiRAY considerably reduce the operating cost of the system, increasing the profitability of the sound company:

- Half the size of conventional 2x 12" systems (674 x 359 x 570 mm)
- Half the weight of conventional 2x 12" systems (~40 kg)
- Half the transport dimensions of conventional 2x 12" systems (8x AiRAY on one transport dolly)

systems (8x AiRAY on one transport dolly)

- Half the setup time of conventional 2x 12" systems
- Half the amplifier channels needed (2 channels)
- Half the loudspeaker multicore cables needed
- FULL OUTPUT AND BANDWIDTH

Sharing system components with ViRAY reduces the investment cost:

Usually a sound system is a package of different system components like low-extensions, subwoofers, frames, amplification etc. Therefore investing in a new system requires the purchase of its specific system components increasing considerably the cost.

AiRAY shares the same system components like ViRAY, including SC2-F – low extension, SCV-F – flyable subwoofer, LINUS RACKs and of course all sensor controlled subwoofers like SCP or SC8. Even the cabling of AiRAY and ViRAY in bi-amp is identical. The FR-AR frame can carry AiRAY, ViRAY, SC2-F and SCV-F.

AiRAY and ViRAY are acoustically and rigging compatible and can be used together in the same array.

It allows ViRAY users to upgrade easily to AiRAY using their existing SC2/SCV cabinets, LINUS RACKs, cables etc.

**VERSATILITY**

Conventional 2x 12" systems are usually used for larger



events like arena shows, large theaters, festivals etc. The large size, weight and less flexibility of those systems as well as higher operating costs make them not well suitable for small and medium applications like corporate events, club tours or small theaters. Therefore sound companies need to keep different systems for different applications.

AiRAY changes the rules. The system actually combines the size, weight, rigging, flexibility, amplification and cabling of a compact system with the high SPL of a large system.

As a result a sound company can cover all those applications using the same AiRAY system.

#### UNIQUE SOLUTIONS

In various venues (like older theaters) the load capacity of the ceiling is limited, as a result suspending large line array systems is impossible. The usual compromise is to use smaller sound systems resulting in insufficient sound pressure.

AiRAY is an excellent solution for such applications providing high SPL from a compact and light system with outstanding clarity.

#### STRAIGHTFORWARD SETUP

All you need is ONE RACK, ONE CABLE and 12 AiRAYs each side for 8,000 to 10,000 venue (plus subs on demand).

#### ACOUSTICAL DESIGN

- Dual Diaphragm Planar-wave-driver (DDP)
- At the heart of the AiRAY are two 6" dual diaphragm planar-wave-drivers.
- Each driver is in fact a 2-way coaxial system employing two concentric annular ring diaphragms. Each diaphragm covers a smaller frequency range for increased power handling, high dynamic and extremely low distortion.

The larger annular midrange diaphragm covers the frequency range 350 - 6500 Hz with a smooth, linear response. The extended diaphragm excursion of max.  $\pm 0.8$  mm results in high output and increased power handling up to 1300 W peak.

The ultra light annular diaphragm for the high range offers exceptional transient response with very high efficiency from 6 to 22 kHz.

This distinctive new transducer was engineered to radiate a true coherent planar wave front from a rectangular piston without internal diffraction for superior dispersion control and high fidelity sound.

The patented design is a result of extensive, dedicated research and development providing dramatic improvement in dynamic response, clarity and transparency.



## AiRAY

### LOW FREQUENCY

The AiRAY contains double 12" neodymium ultra low distortion cone drivers with 4" voice coils. The new developed extreme efficient long excursion drivers have high flux linear motors with four demodulation rings for constant inductance, ultra low distortion and reduced power compression.

The carbon fiber diaphragm minimizes the moving mass while improving cone stiffness and internal damping to achieve high sensitivity and outstanding clarity.

### AiCOUPLER

The AiCOUPLER sums the energy from all transducers into a large mutual horn that performs as a single source, without phase distortions achieving a coherent and uniform wavefront.

In fact the horn occupies the entire front of the cabinet increasing efficiency and providing uniform power response and directivity control over a wide frequency range.

The large waveguide for the two DDP drivers enables perfect acoustical loading down to 350 Hz with excellent horizontal pattern control through the mid/high range.

The two 12" cone drivers are symmetrically loaded to the AiCOUPLER using multiple, optimally spaced slots to increase the distance between their acoustical centers, providing consistent coverage down to 250 Hz and additional sensitivity of 6 dB over 200 Hz. Backwards the two

cone drivers are port loaded to extend the low range of the system down to 50 Hz.

The two DDP drivers cover the range 350 Hz to 22 kHz while the double 12" work from 50 Hz to 700 Hz. In the 350 – 700 Hz range all drivers work together, dramatically increasing the maximum SPL output capability of the system.

### FULLY INTEGRATED SYSTEM SOLUTION

AiRAY is a fully integrated sound reinforcement system including LINUS control racks as an integrated solution for DSP control, amplification, I/O audio routing, network remote control and diagnostic. The touring package comprises transport dollies, rigging accessories, protection covers etc., reducing significantly the set up time.

The SC2-F 2x 15" sensor controlled bass extension overlaps the low range of AiRAY, enhancing the low frequency headroom and increasing the long throw capability of the system.

The SC8 or SCP sensor controlled subwoofers provide an extension down to 25 Hz.

### APPLICATIONS

Designed for touring and installation applications, the AiRAY is perfectly suited for arenas, theaters, houses of worship, corporate events, clubs and touring.



## TECHNICAL SPECIFICATIONS AiRAY

Type	3-way bi-amplified line array module
Frequency response	50 Hz - 22 kHz ( -6 dB)
Power handling	
Low AES / peak	2000 / 8000 W
Mid / High AES / peak	300 / 2600 W
Sensitivity low 1 W / 1 m	103 dB
Sensitivity mid / high 1 W / 1 m	114 dB
Maximum peak SPL (with LINUS10)	
Low	143 dB
Mid / High	148 dB
Cabinets per LINUS10	3x
Dispersion horizontal	90°, 120° or asymmetrical 105°
Dispersion vertical	Array dependent: 0°, 0.5°, 1°, 2°, 2.5°, 3° to 8° in 1°-steps
Components	
Low frequency	2x 12" neodymium, water resistant cones 4" (101.6 mm) voice coil, 1000 W (AES) each
Mid/High frequency	2x 6" DDP (Double Diaphragm Planar-wave-drivers) Mid: 3.5" (90 mm) voice coil, 150 W (AES) each High: 1.75" (44.4 mm) voice coil, 80 W (AES) each
Crossover point	400 Hz bi-amp, 6300 Hz passive
Input connectors	2x Neutrik™: 1x Input + 1x Link
Nominal impedance LF / MF+ HF	8 Ohm (1+/-) / 16 Ohm (2+/-)
Enclosure material	Baltic birch
Finish	Polyurea coating (water resistant)
Flying hardware	Integrated
Dimensions (W x H x D)	674 x 356 x 555 (674 x 400 x 555 incl. hardware)
Net weight	40 kg

## ACCESSORIES AiRAY

FR-AR SET	Frame incl. EXBAR-AR and ADS for flying or ground stacking AiRAY, ViRAY, SC2-F and SCV-F
FR-AR	Frame for flying or ground stacking AiRAY, ViRAY, SC2-F and SCV-F
FRT-AR SET	Compact t-frame incl. EXBAR-AR and ADS for flying AiRAY and ViRAY
FRT-AR	Compact t-frame for flying AiRAY and ViRAY
EXBAR-AR	Extension bar for FR-AR frame
ADS	Single pickpoint adapter incl. shackle for FR-AR frame
SH-VR	Shackle for FR-AR
LP-AR	Laser plate for FR-AR and FR-TR frame
AR-LINK	Enables rear connection of up to 6 AiRAY below SC2-F or SCV-F
AGA	AiRAY / SCV-F ground stack adapter
SA-AR	Splay adapter for AiRAY
VR-AR-LINK	Enables rear connection of ViRAY below AiRAY
DOT-AR	Transport and rigging dolly for 4 AiRAY
CO-AR-4	Protection cover for 4 AiRAY
LID DOT AR	Transportation LID for DOT-AR dolly
AICOUPLER 120°	120° waveguide set for AiRAY
FC-FR AR	Flight case for up to 2 x FR-AR frames
CAL16SPY-25	16-pol (8ch.) loudspeaker multicore cable with lks 19M to 4xNL4 connectors, 16x4MM <sup>2</sup> - 25M
CAL8SPY-25	8-pol (4ch.) loudspeaker cable with NL8 to 2xNL4 connectors, 8x4MM <sup>2</sup> - 25M
CAL16SPY-2	Cable splitter LKS19 to 4xNL4C

## RIGGING POSSIBILITIES



## ViRAY



## ViRAY

with DDP Dual Diaphragm  
Planar-wave-driver Technology

- Unique 8" coaxial mid/high planar wave driver
  - Dual 8" neodymium ultra low distortion cone drivers
  - ViCOUPLER unites all transducers to perform as a single source
  - High power handling of 600 W
  - Variable horizontal coverage of 120° or 80° or 100° asymmetrical (40°+60°)
  - Vertical curving 0° to 10° variable in 1° steps
  - Superior sound
  - Integrated rigging system for flown or ground stacked arrays
  - Multiplex enclosure with Polyurea coating for extreme durability and water protection
  - Subwoofer extension with the SCV-F
  - System integration with LINUS RACKs
- System components: LINUS RACKs, SCV-F, SC2-F

Whether it's for live touring applications or high-end fixed installations, ViRAY has been created to surpass and excite the needs of both user and listener in equal measure.

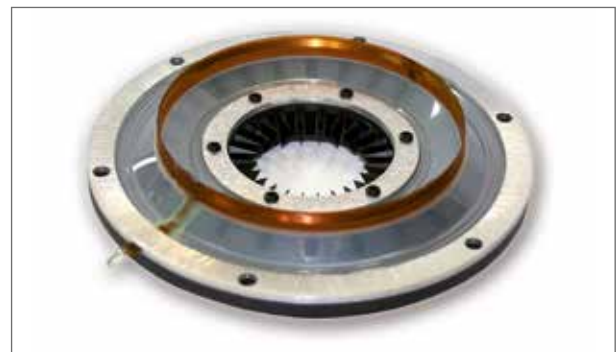
Introducing "ViRAY" Coda Audio's new compact 3-way symmetrical line array system with DDP technology.

As with all Coda Audio products, the design concept of a new product always start with the key components. ViRAY is no different. ViRAY incorporates all new DDP (Dual Diaphragm Planar-wave-driver Technology), the purpose-built 8" coaxial mid/high planar wave driver sits at the heart of the system.



The DDP driver is a 2-way coaxial system employing two concentric annular ring diaphragms. Each driver covers a smaller frequency range for increased power handling, high dynamic and extremely low distortion.

The larger annular midrange diaphragm covers the frequency range 600 - 6.500 Hz with a smooth, linear response. The extended diaphragm excursion of max. +/- 0,8 mm results in high output and increased power handling up to 1300 W peak.



The ultra light annular diaphragm for the high range offers exceptional transient response with very high efficiency from 6 to 22 kHz.

This distinctive new transducer was engineered to radiate a true coherent planar wave front from a rectangular piston without internal diffraction for superior dispersion control and high fidelity sound.

The patented design is a result of extensive, dedicated research and development providing dramatic improvement in dynamic response, clarity and transparency.

### ViCOUPLER

All ViRAY drivers are loaded to a common ViCOUPLER which combines the energy produced from all transducers to perform as a single source, without phase destruction achieving a coherent and uniform wavefront. In fact the ViCOUPLER determines the horizontal on-axis and off-axis frequency response.

The ViCOUPLER technology integrates 3 main functions:

- Waveguide for the Mid/High Planar-wave-driver
- Large plane screen panel to avoid backwards reflections
- Phase plug for the 8" drivers for optimized loading

The ViCOUPLER unites all elements to form a complete entity with complete balance.

In conventional design a backward sound wave from the mid/high range reflects to the cone onto the low frequency drivers. The interference between the direct radiating and reflected waves produce comb filter response.

The ViCOUPLER ensures that sound is reflected in a coherent manner because the dimension of the reflective surface is large compared to the wavelength.

In fact a ViCOUPLER loaded array performs as a single waveguide mounted in a large, flat baffle (screen) without diffractions. When sound waves from the mid/high range gather onto the flat surface, it generates a coherent sound field providing uniform power response and directivity control over a wide frequency range.



Conventional design



ViRAY with ViCOUPLER

### Phase-Plug-Loaded cone drivers

Precision phase plugs are integrated into the ViCOUPLER to ensure acoustically coherent coupling of the low range

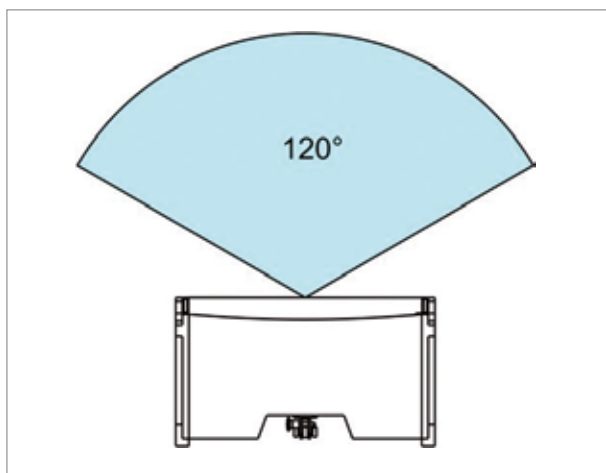
providing perfectly consistent coverage down to 350Hz. This optimizes the horizontal directivity and maximizes the system efficiency.



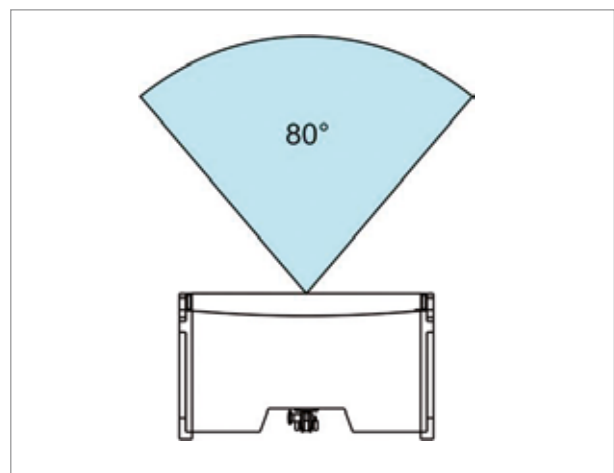
### Horizontal Dispersion

To maximise precise coverage, and therefore maximize application results, user selectable horizontal coverage of 120° / 80° or asymmetrical 100° (60°+ 40°) or (40°+ 60°)

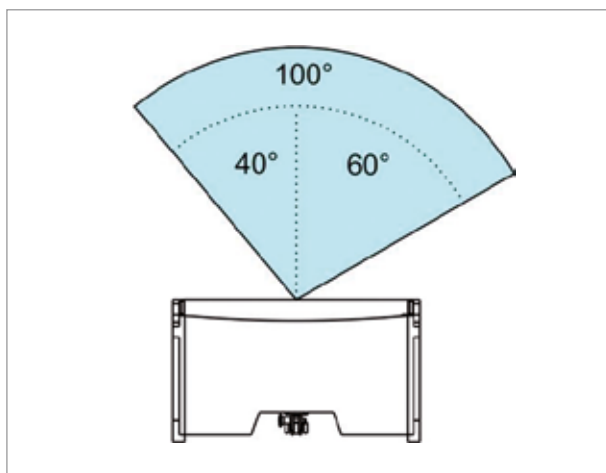
are available, allowing for very accurate audience coverage, reduced possibility of reflections, all resulting in outstanding system intelligibility.



120° Horizontal Coverage



80° Horizontal Coverage



100° Horizontal Coverage

ViRAY's vertical coverage is array dependent from 0° to 10° in 1° steps. The system design allows for a vast increase in ground stack configurations as well as in flown arrays. ViRAY frequency response is from 55Hz to 22kHz. For extended Sub response the SCV-F Subwoofer, which utilizes Coda Audio's award winning Sensor Control technology, turns the two elements into one remarkable system. The SCV-F can be flown in curved arrays allowing full system

flown applications to be completely coherent in all respects. SCV-F may be used in Omni or Cardioid formats. The ViRAY is designed to work exclusively with dedicated Coda Audio LINUS RACKs as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.



TECHNICAL SPECIFICATIONS ViRAY	
Type:	Compact 3-way Bi-amplified line array module
Application:	Minimal 1, maximal 24 units line array
Frequency response:	55 Hz - 22 kHz (-3 dB)
Power handling:	
Low AES / peak:	600 / 2400 W
Mid AES / peak:	150 / 1300 W
High AES / peak:	80 / 400 W
Sensitivity low 1 W / 1 m:	99 dB
Sensitivity mid/hi 1 W/1m:	112 dB
Max. SPL peak low (+6dB):	133 dB
Max. SPL peak mid/high (+6dB):	142 dB
Dispersion horizontal:	120°, 80° or 100° (60° + 40° or 40° + 60°)
Vertical:	Array dependent, 0°-10° in 1°-steps
Components:	
Low frequency:	2x 8" neodymium, water resistant cones 2" (50.8 mm) voice coil, 300 W (AES) each
Mid/High frequency:	8" coaxial neodymium Planar-wave driver
Mid:	3.5" (90 mm) voice coil, 150 W (AES)
Hi:	1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	600 Hz Active, 6.300 Hz Passive
Input connectors:	2 x Neutrik™ NL4
Nominal impedance:	LF: 16 Ω (1+/1-) MF/HF:16 Ω (2+/2-)
Enclosure shape:	Horizontal trapezoid 2x 5°
Enclosure material:	Baltic birch
Finish:	Black polyurea coating (water resistant)
Flying hardware:	Integrated
Dimensions (WxHxD):	674x242x362 mm
Net weight:	25.5 Kg

**Application**

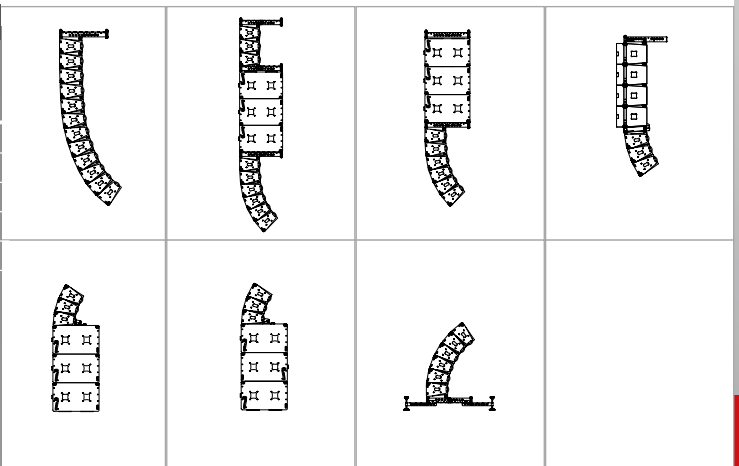
Designed for medium size touring and installation applications the ViRAY is perfectly suited for theatres, clubs, houses of worship, corporate events and touring. Dedicated hardware allows the ViRAY to be used as a down-fill for AIRLINE LA12, and as a ground stack or in-fill system in its own right.

**ACCESSORIES ViRAY**

- FR-VR Heavy duty frame for flying or ground stacking ViRAY and SCVF
- EXBAR-VR Extension bar for FR-VR frame
- TILT-VR Tilting legs for ground stacking ViRAY/SCVF on FR-VR
- DOW-VR-12 Down fill ViRAY under LA12
- LP-VR Laser plate for FR-VR frame
- VGA Groundstack adapter for ViRAY and SCVF
- SH-VR Shackle for FR-VR
- FC-VR Flight case for 4x ViRAY

**RIGGING POSSIBILITIES ViRAY + SCV-F / SC2-F**

SYSTEM PERFORMANCE			
Array	Horizontal Coverage	Vertical Coverage	Peak Output (+6dB)
1 Enclosure	120° or 80°	12°	133 dB
2 Enclosures	120° or 80°	0 - 10° adjustable	139 dB
4 Enclosures	120° or 80°	0 - 40° adjustable	145 dB
8 Enclosures	120° or 80°	0 - 80° adjustable	151 dB





## Sensor controlled subwoofers

The Feedback loop controlled subwoofers have clear advantages over conventional subwoofers when it comes to sonic performance, output and size.

The advanced design aligns several new technologies for outstanding performance.

### Key technologies

- Award winning sensor controlled technology
- Feedback loop control – ultra low distortion, very extended and controlled response
- Long excursion 18" woofers with integrated velocity sensor

### What is the Velocity Feedback Loop Comparator?

The specially designed 18" driver includes a built in "velocity sensor" that measure precisely the movement of the voice coil. The "velocity sensor" sends information to the Comparator about velocity, excursion and speed of the voice coil (using XLR cable).

The comparator unit of the LINUS10 amplifier compares the original input signal to the movement measurement from the "velocity sensor" and adjusts the amplifier driving voltage and/or current so that the diaphragm moves the way it should move. This compensates in real time for the non linearity of the speaker/cabinet.

### Reduced group delay

This is a big issue that is most often overlooked in conventional designs. The feedback comparator technology offers

great advantages in the time domain. In fact the upper bass and the very low frequency are time aligned which means they are reproduced at the same time resulting in extremely accurate and musical bass reproduction.

### Transducers

The Sensor controlled subwoofers are equipped with extremely long excursion 18" neodymium ultra low distortion woofers with integrated velocity sensors that measure, compare and control cone movements. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 50 mm high, ensuring ultra linear excursion of 40 mm / pp at consistent magnetic force. State of the art carbon-fiber cone ensure maximum stiffness and low moving mass. Three aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet. The sensor is in fact an additional voice coil connected to the loudspeakers voice coil in a high precision, magnetically shielded system.

### Electronics and Cabling

The Coda Audio LINUS10 amplifiers provide integrated power and feedback loop control solution for the Sensor controlled subwoofers. The comparator's electronic circuit loop measures the voice coil excursion of the driver and corrects the signal, significantly decreasing distortion. The unit is set for flat frequency response down to 25 Hz (-6 dB).

## SC8 / SC8F

## SC8F

Sensor controlled subwoofer  
with versatile pattern control



- 4 x Coda Audio 18" extreme high output subwoofer
  - Velocity sensors for feedback loop control
  - Extended frequency range down to 20Hz (-6 dB), 25 Hz (-3dB)
  - Ultra low distortion
  - Cardio, Hypercardio or Omni directional mode
  - Fast transient response, the upper bass and the ultra low frequency are time aligned
  - Optional rigging hardware for flown or ground-stacked arrays (SC8F)
  - Reduced truck space for reduced labor and transport costs
- System components: LINUS RACKs, line array systems

#### The SC8 subwoofer

Description: Sensor controlled subwoofer with versatile directional characteristic incorporating four 18" long excursion woofers in a sealed enclosure.

#### SC8 key technologies:

The advanced design aligns several new technologies for outstanding performance.

#### Feedback loop control – ultra low distortion

Sealed enclosure – superior transient and phase response

Versatile pattern control – Cardio or Omni mode in one cabinet. Long excursion drivers with integrated velocity sensor

#### Main advantages of the Feedback Loop Comparator:

Total Harmonic Distortion is reduced significantly  
About 20 dB less distortion at 20 Hz compared to the cabinet without velocity sensor.

#### Extended Frequency response

The SC8 subwoofer provides perfectly flat response down to 25 Hz and very high output and low distortion. No high pass filters or equalizers are required.

#### Reduced group delay

The upper bass and the very low frequency are time aligned resulting in extremely accurate and musical bass reproduction.

#### Directivity

The SC8 can be configured for different polar patterns: Cardio / Hypercardio or Omni directional when the cabinet is rotated at 90°.

#### Applications:

The SC8 subwoofer is perfect suited not only as a sub-extension for line array systems, but for general use in arenas, houses of worship, theatres, clubs and open air.

#### TECHNICAL SPECIFICATIONS SC8 / SC8F

Type:	Sensor controlled Cardio / Omni subwoofer
Application:	High output subwoofer
Frequency response:	20 Hz (-6 dB), 25 Hz (-3 dB) to 125 Hz
Power handling (AES / Peak):	6000 W / 24000 W
Sensitivity 1 W / 1m:*	106 dB @ 50 Hz
Maximum output peak:**	150 dB
Components:	4 x 18" neodymium ultra low distortion woofers 4" (101.6 mm) voice coil, 1500 W (AES) each
Front:	2 x 18"
Rear:	2 x 18"
Nominal impedance:	Front: 4 Ohm + -1, Rear: 4 Ohm + -1
Input connectors:	2 x Neutrik™ NL4MP
Velocity sensors output:	1 x Neutrik™ NC5FDL1
Suspension:	optional flying hardware: SC8F (compatible to AIRLINE LA12 Frame)
Enclosure material:	Baltic birch
Finish:	Black Polyurea coating (water resistant)
Dimensions:	1108 x 982 x 540
Net weight SC8:	122 kg
Net weight SC8F:	135 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

#### ACCESSORIES

FR122	Compact frame for flying or ground stacking AIRLINE LA12 and/or SC8F in cardio mode
FR002	Upgrade kit FR120 to FR122
DOT SC8	Transport dolly for up to 3 units SC8 / SC8F
CAH SC-10	Hybrid speaker and sensor system cable for SC subwoofers, 10 m
CAH SC-20	Hybrid speaker and sensor system cable for SC subwoofers, 20 m
CO SC8	Protection cover for single SC8 / SC8F
CO SC8-2	Protection cover for 2x SC8 / SC8F

## SCV-F



## SCV-F

Compact 18" sensor controlled subwoofer

- Flyable or ground stackable in cardio or omni configurations
  - Rigging is compatible to ViRAY
  - Subwoofer arrays can be curved for perfect time alignment with ViRAY
  - Coda amplifier comparators provide integrated power and feedback loop control solution
- System components: LINUS RACKs, ViRAY, SC2-F

Coda Audio's award winning sensor controlled technology is extended with the compact SCV-F subwoofer. Combining a closed feedback-loop control with large, low noise laminar flow ports the SCV-F subwoofer offers increased output and well controlled response. This technology goes ahead of conventional subwoofers offering measurable and clearly audible advantages in the impulse response, group delay, waterfall and the distortion domain. In fact the range 35 – 100 Hz is time aligned while the group delay increases slightly in the range 25 – 35 Hz. The reduced group delay results in extremely accurate and musical bass reproduction. The sound quality is far beyond conventional port loaded systems.

The 18" long excursion driver contains an integrated velocity sensor that measures the diaphragm movement in real

time, compares it with the input audio signal and adjusts the amplifier driving voltage and/or current, correcting any driver inaccuracy. It is a self-optimizing, closed feedback-loop in which the driver confirms precisely the power it needs to accurately reproduce the original audio signal. The key advantage is a very extended and controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback.

### Application

Primarily designed for integration into the ViRAY line arrays, the SCV-F is also suited for a variety of applications in touring and installations where compact size, high precision, deep bass with directivity control is needed.

## TECHNICAL SPECIFICATIONS SCV-F

Type:	Sensor controlled subwoofer
Application:	Compact subwoofer
Frequency response:	25Hz (-6dB)
Power handling (AES / peak):	1500 W / 6000 W
Sensitivity 1 W / 1 m:*	97 dB
Maximum output peak:**	138 dB
Components:	18" neodymium ultra low distortion woofer 4" (101.6 mm) voice coil, 1500 W (AES) each
Nominal impedance:	8 Ohm, +1 / -1
Cabinets per channel C10:	3 or 4***
Input connectors:	2x Neutrik™ NL4MP (rear) + 1x Neutrik™ NL4MP (front)
Velocity sensors output:	Neutrik™ NC3MAV (rear) + Neutrik™ NC3MAV (front)
Suspension:	Yes, allows curving (0°, 2,5°, 5°)
Enclosure material:	Baltic birch
Finish:	Polyurea coating (water resistant)
Dimensions (W x D x H):	674 x 490 x 790 mm
Net weight:	57 kg

\* Half-space loading

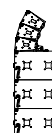
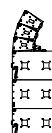
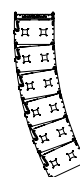
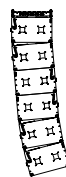
\*\* Measured with pink noise 6 dB crest factor

\*\*\* In cardio mode where channel A drives up to 4 SCV-F while channel B drives 2 SCV

## ACCESSORIES SCV-F

FR-VR	Heavy duty frame for flying or ground stacking ViRAY and SCV-F
EXBAR-VR	Extension bar for FR-VR frame
TILT-VR	Tilting legs for ground stacking ViRAY/SCV-F on FR-VR
SH-VR	Shackle for FR-VR
DOL-SCV	Front dolly for single SCV-F
DOT-SCV	Transport dolly for up to 4 x SCV-F
CO SCV	Protection cover for single SCV-F
CO SCV-3	Protection cover for 3x SCV-F
CAH SCP-10	Hybrid speaker and sensor system cable 10m 1xNL4 Speakon® + 1x 5-PolXLR-M 2xNL4 Speakon® + 2x 3-PolXLR-F
CAH SCP-20	Hybrid speaker and sensor system cable 20m 1xNL4 Speakon® + 1x 5-PolXLR-M 2xNL4 Speakon® + 2x 3-PolXLR-F
CAL4SP-1.5	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 1,5m 1xNL4 Speakon®
CAL4SP-0.75	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 0,75m 1xNL4 Speakon®

## RIGGING POSSIBILITIES





## SC2-F



## SC2-F

Sensor controlled bass extension for viray

- Increases the long throw capability of ViRAY
- Enhances the systems low frequency headroom
- Overlaps both the low range of ViRAY and the SCV/ SCP subwoofers reducing the need for additional subs
- Provides 15" sonic signature
- Compact 2x 15" sensor controlled bass extension
- Extended frequency range 35 - 200 Hz (-6 dB)
- The feedback loop control ensures extreme fast transient response and ultra low distortion
- Flyable or ground stackable in cardio or omni configurations
- Rigging is compatible to ViRAY and SCV-F
- SC2-F arrays can be curved for perfect time alignment with ViRAY
- System integration with Coda Audio amplifier racks

- System components: LINUS RACKs, ViRAY, SCV-F

#### Description

The SC2-F is NOT a subwoofer, it is a sensor controlled bass extension system operating in the range 35 - 200 Hz which overlaps both the low range of ViRAY and the SCV/SCP subwoofers providing essential more energy and control in the lower range of the system.

Incorporating dual 15" drivers in a compact, vented enclosure it provides a distinctive 15" signature punch to the system.

#### Technology

The drivers contain an integrated velocity sensor that measures the diaphragm movement in real time, compares it with the input audio signal and adjusts the amplifier driving voltage and/or current, correcting any driver inaccuracy. It is a self-optimizing, closed feedback-loop in which the driver confirms precisely the power it needs to accurately reproduce the original audio signal. The key advantage is a very extended and controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback. Sensor controlled technology surpasses conventional subwoofer designs by offering measurable and clearly audible advantages in the impulse response, group delay, waterfall and the distortion domain. The reduced group delay results in extremely accurate and musical bass reproduction. The sound quality is far in advance of conventional port loaded systems.

#### Transducers

The SC2-F is equipped with two extremely long excursion 15" neodymium ultra low distortion drivers with integrated velocity sensor that measures, compares and controls cone movements. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 36 mm high, ensuring ultra linear excursion of 26 mm / pp at consistent magnetic force. State-of-the-art carbon fiber cones ensure maximum stiffness and low moving mass. Three aluminum shorting rings reduce inter-modulation distortion, minimizing induction variation whilst reducing thermal compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet. The sensor is in fact an additional voice coil connected to the loudspeakers voice coil in a high precision, magnetically shielded system.

#### System solution

The SC2-F is designed to work exclusively with dedicated Coda Audio amplifier racks as an integrated solution for DSP and sensor control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

**Applications:**

SC2-F flown on the top of ViRAY array (35 - 200 Hz) - increases the array length and enlarges the system long throw capability

SC2-F flown beside or behind the ViRAY array (35 - 100 Hz) - provides a distinctive punch to the system

SC2-F in array between ViRAY cabinets (35 - 200 Hz) - avoids balcony reflections

SC2-F ground-stack with ViRAY (35 - 200 Hz) - compact and powerful solution for smaller venues

**Options:**

Standard RAL colours and weather protection options are available on request.

## TECHNICAL SPECIFICATIONS SC2-F

Type:	Sensor controlled bass extension
Application:	Bass Extension for ViRAY
Frequency response:	35 - 200 Hz (-6 dB)
Power handling (AES / peak):	2500 W / 10000 W
Sensitivity 1 W / 1 m:*	103 dB
Maximum output peak:**	143 dB
Components:	2x 15" neodymium ultra low distortion woofers 4" (101.6 mm) voice coil, 1250 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Cabinets per channel:	1- 2x (LINUS10), 1x (LINUS8)
Input connectors:	2x Neutrik™ NL4MP (rear) + 1x Neutrik™ NL4MP (front)
Velocity sensors output:	Neutrik™ NC3MAV (rear) + Neutrik™ NC3MAV (front)
Suspension:	allows curving (0°, 2.5°, 5°)
Enclosure material:	Baltic birch
Finish:	Polyurea black coating (water resistant)
Dimensions:	674 x 490 x 790 mm
Net weight:	70 kg

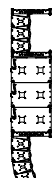
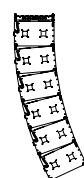
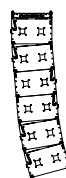
\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

## ACCESSORIES SC2-F

FR-VR	Heavy duty frame for flying ViRAY and SC2-F
EXBAR-VR	Extension bar for FR-VR frame
SH-VR	Shackle for FR-VR
DOL-SCV	Front dolly for single SC2-F
DOT-SCV	Transport dolly for up to 4 x SC2-F
CO SCV	Protection cover for single SC2-F
CO SCV-3	Protection cover for 3x SC2-F
CAH SCP-10	Hybrid speaker and sensor system cable 10m 1xNL4 Speakon® + 1x 5-PoiXLR-M 2xNL4 Speakon® + 2x 3-PoiXLR-F
CAH SCP-20	Hybrid speaker and sensor system cable 20m 1xNL4 Speakon® + 1x 5-PoiXLR-M 2xNL4 Speakon® + 2x 3-PoiXLR-F
CAL4SP-1.5	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 1,5m 1xNL4 Speakon®
CAL4SP-0.75	4-Pole loudspeaker cable, 4x4 mm <sup>2</sup> 0.75m 1xNL4 Speakon®

## RIGGING POSSIBILITIES



TiRAY



TiRAY

2-way full range line array module

- Ultra compact size
- Unique 5" neodymium planar wave driver
- Dual 5" ultra low distortion cone drivers
- Wide horizontal coverage of 100°
- Vertical curving 0° - 12°
- Superior sound
- Full range capability
- Integrated rigging system for flown or ground stacked arrays
- Multiplex enclosure with Polyurea coating for extreme durability and water protection
- Low frequency extension with the TiLOW bass extension
- System integration with Coda LINUS amplifiers

#### ■ System Components: LINUS System Amplifier, TiLOW, U4

The TiRAY is an ultra compact, passive two-way full range line array module, designed for small venues where high fidelity sound and outstanding intelligibility are required. The system contains two 5" ultra low distortion cone speakers and a 5" neodymium planar wave driver.

Up to 24 units can be arrayed to achieve extreme high levels needed for larger venues. The built-in passive crossover allows multiple modules to be driven with a single channel of the according LINUS DSP amplifier.

An optional TiLOW bass extension can be added for increased low frequency response.

The integrated rigging system allows quick and easy flying or ground stacking. Arrays may be built straight or curved in various angles to obtain the desired vertical coverage.

When used together with the TiLOW bass extension the TiRAY system gives audio companies a flexible system for a wide range of applications in small or medium sized venues.

#### Options:

Standard RAL colours and weather protection options are available on request.

TECHNICAL SPECIFICATIONS TIRAY

Type:	2-way full range system
Application:	Line array
Frequency response:	70 Hz - 20 kHz (-6 dB)
Power handling AES:	300 W
Sensitivity low:	94 dB
Max. SPL peak low:	124 dB
Sensitivity high:	113 dB
Max. SPL peak high:	139 dB
Dispersion horizont.:	100°
Vertical:	Array dependent, 0°-12° (in steps 0°, 1°, 3°, 5°, 7°, 9°, 12°)
Components:	
Low frequency:	2x 5" neodymium woofers, 1.5" (38 mm) voice coil, 150 W (AES) each
High frequency:	1x 5" neodymium planar wave driver, 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	950 Hz passive
Nominal impedance:	8 Ω (2+/2-)
Input connectors:	2x Neutrik™: 1x Input + 1x Link
Enclosure shape:	Horizontal trapezoid 2 x 6°
Enclosure material:	Baltic birch
Finish:	Polyurea coating (water resistant)
Flying hardware:	3-point integrated
Dimensions (WxHxD):	404 x 155 x 253
Net weight:	9.9 kg

System Performance

Array	Frequency Response (-6 dB)	Maximum Peak Output
1 Enclosure	70 - 20000 Hz	124 dB
4 Enclosures	70 - 20000 Hz	136 dB
8 Enclosures	70 - 20000 Hz	142 dB

ACCESSORIES TIRAY

- FR-TR Frame for flying or ground stacking TIRAY and TiLOW
- FRT-TR Compact frame for TIRAY
- EXBAR-TR Extension bar for FR-TR and FRT-TR
- SA-TR Splay Adaptor for TIRAY (Enables connection of TIRAY frames below TiRAY Systems)
- CUTi Compact flying and stacking adaptor for up to 6x TIRAY
- CUTi-SF Standfitting adaptor for CUTi
- TGA Groundstacking and flying adaptor for TIRAY
- LP-TR Laser plate for FR-TR frame
- FC-VR Flight case for 6x TIRAY + accessory storage

RIGGING POSSIBILITIES



## TiLOW



## TiLOW

Ultra compact bass extension for TiRAY

- Increases the long throw capability of TiRAY
- Enhances the systems low frequency headroom
- Overlaps both the low range of TiRAY and the ground subwoofers reducing the need for additional subs
- Provides 12" sonic signature
- Ultra compact 12" bass extension
- Extended frequency range 44 - 500 Hz (-6 dB)
- Flyable or ground stackable in cardio or omni configurations
- Rigging is compatible with TiRAY
- System integration with Coda LINUS amplifiers

#### ■ System Components: LINUS System Amplifier, TiLOW, U4

The TiLOW is NOT a subwoofer, it is a bass extension system operating in the range 44 - 200 Hz which overlaps both the low range of TiRAY and the subwoofers providing more essential energy and control in the lower range of the system. Incorporating a 12" driver in a compact, vented enclosure it provides a distinctive 12" signature punch to the system.

#### System Solution

The TiLOW is designed to work exclusively with dedicated Coda Audio LINUS amplifiers as an integrated solution for DSP, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

#### Applications

TiLOW flown on the top of TiRAY array (40 - 400 Hz) – increases the array length and enlarges the system long throw capability

TiLOW flown beside the TiRAY array (40 - 180 Hz) – optimizes the system horizontal directivity

TiLOW in array between TiRAY cabinets (40 - 400 Hz) – avoids balcony reflections

TiLOW ground-stack with TiRAY (40 - 400 Hz) – compact and powerful solution for smaller venues

Primarily designed for integration into the TiRAY line arrays, the TiLOW is also suited for a variety of applications in touring and installations where ultra compact size, high precision, deep bass with directivity control is needed.



**Options:**

Standard RAL colours and weather protection options are available on request.

The integrated rigging system allows quick and easy flying or ground stacking.

## TECHNICAL SPECIFICATIONS TiLOW

Type:	Bass extension
Application:	Bass Extension for TiRAY
Frequency response:	40 - 500 Hz (-6 dB)
Power handling (AES / peak):	1000 W / 4000 W
Sensitivity 1 W / 1 m:*	95 dB
Maximum output peak:**	135 dB
Components:	12" ultra low distortion woofer, 4" (101.6 mm) voice coil, 1000 W (AES)
Nominal impedance:	8 Ohm, +1 / -1
Cabinets per channel:	1 - 2x (LINUS5), 1x (LINUS8)
Input connectors:	2x Neutrik™
Suspension:	integrated
Enclosure material:	Baltic birch
Finish:	Polyurea black coating (water resistant)
Dimensions:	400 x 340 x 490 mm
Net weight:	20 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

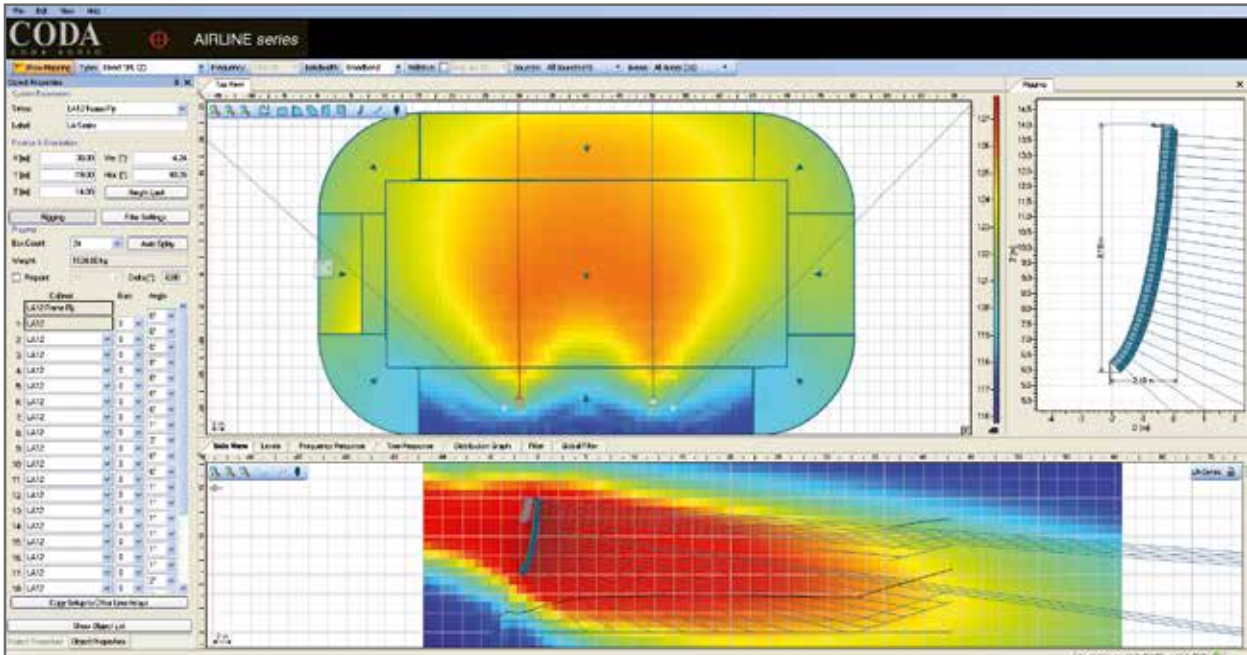
## ACCESSORIES TiLOW

FR-TR	Frame for flying or ground stacking TiRAY and TiLOW
EXBAR-TR	Extension bar for FR-TR and FRT-TR
DOT-TiLOW	Transport dolly for up to 10x TiLOW
CO-TiLOW	Protection cover for single TiLOW
CO-TiLOW Ex	Protection cover extension for 2x TiLOW, compatible with CO-TiLOW

## RIGGING POSSIBILITIES



## Coda EASE Focus II Software



## Coda EASE Focus II Software

- 3D modeling of direct sound, displayed in horizontal and vertical cutting planes
- Full support for EASE GLL files and data exchange with EASE
- Capability to use multiple line array systems in a single project
- Virtual equalizer for tuning a line array in the simulation
- Support for digitally steered columns and other configurable loudspeakers; this requires an additional proprietary DLL that can provide e.g. beam steering filters
- Full frequency range from 20 Hz to 20 kHz
- High accuracy due to high internal data resolution and GLL data format
- Support for multiple languages: German, English, Spanish, Italian, Portuguese

Coda Audio EASE Focus II is a three-dimensional, acoustic simulation software for the configuration and modeling of line array systems and of adjustable loudspeakers, such as digitally steered columns. EASE Focus II is free for the end user.

In EASE Focus II, each line array or column loudspeaker is described by a so-called system definition which contains the mechanical, electronic and acoustic properties of the loudspeaker system. All available GLL-files for Coda Audio speakers can be downloaded from our website.

Great efforts have been made to keep EASE Focus II intuitive and easy-to-use while introducing three-dimensional coordinates and many new features. It can be considered a tool for both the end user, who needs to set up the sound system for a show, as well as for the R&D engineer, who is interested in the acoustic qualities of the array design. EASE Focus II is the optimal tool for easy and quick prediction of the sound system performance in a given venue. Compared to conventional aiming software the applicability of EASE Focus II is much larger. It is not fixed to a single loudspeaker product.



## 2-way line source column system

Applying true Coda Audio line array technology, which is available in our large touring products, into an ultra compact size, passive column loudspeaker, filling the gap between larger, more expensive line arrays and point source systems, offering high quality solutions for acoustically difficult environments.

CoRAY4 is an extremely advanced 2-way line source solution for all highly reverberant environments. CoRAY4 has been designed to provide exacting results in situation where the natural environment is particularly unforgiving to normal amplified sound reinforcement solutions.



## CoRAY4

## CoRAY4



## CoRAY4

## 2-way line source column system

- 2-way ultra compact line source column system
- High power handling of 700 W
- Dual 4" neodymium planar wave drivers
- Four 5" ultra low distortion cone speakers
- Asymmetrical vertical coverage of 12° (1° up, 11° down)
- Variable horizontal dispersion of 120° or 60° or asymmetrical 90°
- Integrated CMS (Coda Mobile Suspension), optimized for mobile use
- System components: Coda Audio System Amplifier, Coda Audio System Controller, G15-SUB, G18-SUB, SC4, CoRAY4L

**Description:**

The CoRAY4 is an ultra compact two-way line array column, designed for small to mid-sized venues with difficult acoustic environments where compact size, high fidelity sound and outstanding intelligibility are required.

The cabinet contains four 5" ultra low distortion cone speakers and two 4" HF neodymium planar wave drivers.

**Versatility:**

The possibility to change the horizontal coverage 120°, 60° or asymmetrical 90° (60°+30°) or (30°+60°) allows precise audience coverage, reduced reflections for better intelligibility. The asymmetrical vertical coverage focuses the sound to the listeners considerably reducing reflections from the ceiling.

Two CoRAY4s can be allied top on top as CoRAY4 Twin, to create consistent symmetrical vertical coverage of 24° without interferences between the cabinets while the horizontal coverage can be modified from 120° to 60° or 120° for short throw and 60° for long throw sending more energy in the far field. In this configuration the system acoustical output will increase by 6 dB and narrow vertical control at

low frequency for extending the long throw capabilities of the system.

**System Solutions:**

**IMPORTANT:** The CoRAY4 is NOT designed to work without dedicated system controller and therefore should be use only with proper Coda Audio controllers. The controller will equalize the system and will ensure limiter protection. Digital signal processing is available in Coda Audio System Amplifiers and standalone Coda Audio Digital Controllers. The C5 is an integrated solution for DSP control and amplification of CoRAY4. It provides 4 inputs and 4 amplifier outputs as well as network remote control and diagnostic. Presets for CoRAY4 are available. An optional G15-SUB or G18-SUB can be added for increased low frequency response.

**Options:**

Standard RAL colours and weather protection options are available on request.

Applications include worship, live music, political events, conferences, corporate events, delay line for AIRLINE LA8 or Lay line for line arrays.



## CoRAY4 L



## CoRAY4L

Low frequency extension for CoRAY4



- Ultra compact low frequency extension for CoRAY4
- High Power handling of 700W

- Four 5" ultra low distortion cone speakers
- Integrated CMS (Coda Mobile Suspension) optimized for mobile use

The CoRAY4L is an ultra compact low frequency extension for the CoRAY4. The cabinet contains four 5" ultra low distortion cone speakers and features the same CMS (Coda Mobile Suspension) as the CoRAY4 for an integrated fixing solution.

## TECHNICAL SPECIFICATIONS CoRAY4

Type:	2-way passive column loudspeaker
Frequency response:	80 Hz - 20 kHz (-3 dB)
Power handling AES:	700 W
Peak power:	2800 W
Sensitivity:	97 dB
Max. SPL peak:	131 dB
Dispersion horizontal:	Symmetrical 120° or 60° or asymmetrical 90° (60° + 30°)
Vertical:	12° (1° up, 11° down)
Components:	
Low frequency:	4x 5" Woofer, 1.5" (38mm) voice coil, 170 W (AES)
High frequency:	2x 4" Neodymium planar wave drivers, 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	1300 Hz passive
Nominal impedance:	4 Ω
Input connectors:	2x Neutrik™ NL4MP
Suspension:	CMS (Coda Mobile Suspension) M6 threaded points for use of optional U-bracket
Enclosure material:	Birch plywood
Finish:	Black Polyurea coating (water resistant)
Dimensions (W x H x D):	152 x 758 x 214 mm
Net weight:	15.7 kg
Weatherproof/colour version:	Optional
* Subject to technical alteration without prior notice	

## ACCESSORIES

CF4	Flying frame
CA4	Twin adaptor for 2x CoRAY4
C4VC	U-bracket
C4WM	Wall mount bracket
TV4	TV spigot for CF4 flying frame
TV4C	Clamp for TV spigot
19674	Speaker tilt connector 0°-15°
24481	Wall mount for CoRAY4 Twin
COB-CoRAY4	Transportation bag for single CoRAY4

## TECHNICAL SPECIFICATIONS CoRAY4L

Type:	Low frequency extension for CoRAY4
Frequency response:	80 Hz - 1300 Hz (-3 dB)
Power handling AES:	700 W
Peak power:	2800 W
Sensitivity:	97 dB
Max. SPL peak:	131 dB
Components:	4x 5" woofer, 1.5" (38 mm) voice coil, 170 W (AES)
Nominal impedance:	4 Ω
Input connectors:	2x Neutrik™ NL4MP
Suspension:	CMS (Coda Mobile Suspension) M6 threaded points for use of optional U-bracket
Enclosure material:	Birch plywood
Finish:	Black Polyurea coating (water resistant)
Dimensions (W x H x D):	152 x 758 x 214 mm
Net weight:	13.2 kg
Weatherproof version:	Optional





## SCP / SCP-F



### SCP

#### High output sensor controlled subwoofer

- 2 x 18" extreme high excursion woofers
- The integrated velocity sensor measures the voice coil movement
- Extended frequency range to 25 Hz (-6 dB)
- Omni or cardioid configurations
- Ultra low distortion
- Fast transient response, the upper and the ultra low frequency are time aligned
- Optional rigging hardware for flown or ground-stacked arrays (SCP-F)
- System components: LINUS RACKs, LINUS DSP-amplifier, CoRAY4, G700-Series

The Coda Audio award winning sensor controlled technology is extended with the SCP-Series subwoofers. Combining a closed feedback-loop control with large, low noise laminar flow ports the SCP subwoofer offers increased output and well controlled response. This technology surpasses that of conventional subwoofers offering measurable and clearly audible advantages in the impulse response, group delay, waterfall and the distortion domain. In fact the range 35 – 100 Hz is time aligned while the group delay increases slightly in the range 25 – 35 Hz. The reduced group delay results in extremely accurate and musical bass reproduction. The sound quality is far beyond that of conventional port loaded systems.

The SCP is a sensor controlled subwoofer incorporating double 18" woofers in a compact, vented enclosure. The drivers contain an integrated velocity sensor that measures the diaphragm movement in real time, compares it with the input audio signal and adjusts the amplifier driving voltage and/or current, correcting any driver inaccuracy. It is a self-optimizing, closed feedback-loop in which the driver confirms precisely the power it needs to accurately reproduce the original audio signal. The key advantage is a very extended and



controlled response. Any distortion produced by the driver or the enclosure is instantly corrected by the feedback.

**Application:** Typical Applications include touring sound, theaters, houses of worship, dance clubs and live sound venues.

#### TECHNICAL SPECIFICATIONS SCP / SCP-F

Type:	Sensor controlled subwoofer
Application:	High output subwoofer
Frequency response:	25 Hz (-3 dB) to 120 Hz
Power handling (AES / peak):	3000 W / 12000 W
Sensitivity 1 W / 1 m:*	103 dB
Maximum output peak:**	144 dB
Components:	2 x 18" neodymium ultra low distortion woofers, 4" (101.6 mm) voice coil, 1500 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Input connectors:	SCP: 2x Neutrik™ NL4MP SCP-F: 2x Neutrik™ NL4MP (rear), 1x Neutrik™ NL4MP (front)
Velocity sensors output:	SCP: 1x Neutrik™ NC3MAV SCP-F: 1x Neutrik™ NC3MAV (rear), 1x Neutrik™ NC3MAV (front)
Suspension:	optional flying hardware: SCP-F
Enclosure material:	Baltic birch
Finish:	Black Polyurea coating (water resistant)
Dimensions (WxDxH):	SCP: 1190 x 790 x 547 mm SCP-F: 1108 x 800 x 550 mm (1108 x 816 x 557 incl. hardware)
Net weight:	95 kg

\* Half-space loading

\*\*Measured with pink noise 6 dB crest factor

#### ACCESSORIES

DOT SCP	Transport dolly for up to 3 units SCP
DOT SCP-F	Transport dolly for up to 3 units SCP-F
CAH SCP-10	Hybrid speaker and sensor cable for SCP subwoofers, 10 m
CAH SCP-20	Hybrid speaker and sensor cable for SCP subwoofers, 20 m
CO SCP-1	Protection cover for single SCP
CO SCP-2	Protection cover for 2 units SCP



SC4



SC4

## Sensor controlled subwoofer

- 2 x Coda Audio 18" extreme high output subwoofer
  - Velocity sensors for feedback loop control
  - Extended frequency range down to 20 Hz (-6 dB), 25 Hz (-3 dB)
  - Ultra low distortion
  - Fast transient response, the upper and the ultra low frequency are time aligned
  - Compact size for reduced labor and transport costs
  - Optional rigging hardware
- System components: LINUS RACKs, LINUS DSP-amplifier, CoRAY4, G700-Series

**The SC4 subwoofer**

Sensor controlled subwoofer incorporating double 18" long excursion woofers in a sealed enclosure.

The SC4 subwoofer provides perfectly flat frequency response down to 20 Hz (-6 dB) and very high output and low distortion.

**SC4 key technologies**

- The advanced design aligns several new technologies for outstanding performance.
- Feedback loop control – ultra low distortion, very extended and controlled response
- Long excursion drivers with integrated velocity sensor

The Feedback loop controlled subwoofer has clear advantages over conventional amplifier / subwoofer solutions when it comes to sonic performance, output and size.

**Application**

The SC4 is suited for a variety of applications in touring and installations where high precision, deep bass is needed. It is perfectly suited for use in arenas, houses of worship, theatres and clubs.

**TECHNICAL SPECIFICATIONS SC4**

Type:	Sensor controlled subwoofer
Application:	High output subwoofer
Frequency response:	20 Hz (-6 dB) 25 Hz (-3 dB) to 150 Hz
Power handling (AES / peak):	3000 W / 12000 W
Sensitivity 1 W / 1 m:*	103 dB @ 50 Hz
Maximum output peak:**	144 dB
Components:	2 x 18" neodymium ultra low distortion woofers, 4" (101.6 mm) voice coil, 1500 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Input connectors:	2 x Neutrik™ NL4MP
Velocity sensors output:	1 x Neutrik™ NC3MAV
Suspension:	Optional
Enclosure material:	Black Polyurea coating (water resistant)
Finish:	Textured black Paint
Dimensions:	760 x 545 x 780 mm
Net weight:	69 kg

\*Half-space loading

\*\*Measured with pink noise 6 dB crest factor

**ACCESSORIES**

DOT SC4	Transport dolly for 2 units SC4
CAH SC-10	Hybrid speaker and sensor system cable for SC subwoofers, 10 m
CAH SC-20	Hybrid speaker and sensor system cable for SC subwoofers, 20 m
CAY-6	Sensor cable adapter for SC4

## HOPS8T



### HOPS8T

Versatile dual 8" coaxial system, 450W, 100° conical CMS (Coda mobile suspension), flange adapter

- 2-way coherent point source
- Double 8" coaxial system
- Compact and versatile
- High power handling of 450 W (AES)
- Symmetrical coverage of 100°
- Superior sound quality
- Optimized for near-field applications
- High output before feedback
- System integration with LINUS amplifiers
- CMS (Coda mobile suspension) and flange adapter

- System components: LINUS10-C, LINUS5-C, G15-Sub, G18-Sub, U4

#### Description:

The HOPS8 is a passive 2-way system with an exceptionally high output-to-size ratio and wide coverage of 100° x 100°.

The cabinet contains an 8"/1.75" coaxial driver and an additional 8" low frequency driver.

The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.

#### State of the art drivers

At the heart of the HOPS8 is the new developed 8"/1.75" coaxial driver. The 8" cone covers the 60 - 1.500 Hz range with high efficiency and smooth, linear response. Two aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. This design dramatically reduces the distortion at longer excursion levels, and improves the overall

sound quality providing deep and punchy bass. The high frequency driver contains an ultra light 1.75" annular diaphragm providing exceptional transient response with very high efficiency from 1 kHz to 20 kHz. This new transducer was engineered to radiate a single source, coherent 100° wave front for superior dispersion control and high fidelity sound.

#### Controlled dispersion at high SPL

In the low range both 8" drivers are overlapped increasing the maximum SPL of the system and providing an improved directivity control.

#### System solution

The HOPS8 is designed to work with dedicated Coda Audio LINUS5-C or LINUS10-C amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostics. The integrated solution ensures optimal performance and protection.

## HOPS8T

**Applications**

HOPS8T for mobile applications is optimized for near field applications in small to medium venues where compact size, high output, superior dispersion control and high fidelity sound are required.

Ideal choice for corporate events, product presentations, exhibitions, small live reinforcement systems, DJs, stage monitor, front fill and more.

**Options**

Additional colours and weather protection options are available on request.

**ACCESSORIES**

HL8 Vertical L-Bracket for HOPS8T

## TECHNICAL SPECIFICATIONS HOPS8T

Type	Ultra Compact 2-way full range versatile system
Application	Superior quality point source for near-field applications
Frequency response	60 Hz - 20 kHz (-6 dB)
Power handling AES	450 W
Peak power	1800 W
Sensitivity	98 dB*
Max. SPL peak	131 dB (with LINUS1-0C)
Dispersion	100° conical
Components	
Low frequency	8" woofer, 2" (51 mm) VC, 225 W (AES)
Mid/High frequency	8"/1,75" coaxial driver, Low: 2" (51 mm), High: 1.75" (44.4 mm) voice coil, 225 W + 80 W (AES)
Crossover	1.5 kHz passive
Nominal impedance	8 ?
Amplification	LINUS5-C** or LINUS10-C** (max. 3 enclosures 2,66 Ohms pro channel)
Input connectors	2x Neutrik™ NL4MP
Suspension HOPS8T	CMS (Coda mobile suspension) + flange adapter
Enclosure material	Birch plywood
Finish	Polyurea black coating (water resistant)
Dimensions (WxHxD)	230 x 540 x 270 mm
Net weight	12 kg
Weatherproof version	Optional

\* Half-space loading

\*\* In low SPL applications up to 4x HOPS8 per channel can be connected

# CUE-Series



## 3-way high output ultra low profile stage monitor series

The CUE Series is a family of dedicated stage monitors, each with its own group of application areas. The design strategy allows Coda Audio to deliver a, “no compromise” approach to fulfilling a large number of real world Monitoring requirements. In addition the sonic signature of the series means they can all be used together as and when required.

The CUE-Series 3-way high output ultra low profile stage monitors feature a triaxial design, engineered without compromise to provide a true one point source.

The advanced design aligns the acoustical centers of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.





## CUE ONE

## CUE ONE

3-way high output ultra low profile stage monitor



- 3-way coherent point source technology
- Double 12" and 1.4" coax driver
- Asymmetrical vertical coverage 55° + 40°
- Outstanding audio quality
- Ultra low feedback
- Ultra low profile design
- Integrated hardware for increased dispersion
- Powerful low frequency response
- Mechanically durable
- Discrete cables connection
- Passive or bi-amp operation
- Light weight

#### ■ System components: LINUS RACKs, LINUS DSP-amplifiers

The cabinet contains double 12" extremely high power neodymium woofers and a 1.4" coaxial compression driver loaded by an asymmetrical 60° x 55°+40° elliptical waveguide.

The CUE ONE has the power handling and power output to suite the largest of monitoring applications, while still being discreet and low profile in physical form. Unique cabling format and integrated hardware for adjusting dispersion along with a rotatable HF wave guide provide users total flexibility of use. The CUE ONE's design and the technologies used, truly allow monitor engineers to be creative with their on stage audio designs, bring that same level of Audio attention to be found at the FOH to the stage.

#### ACCESSORIES

A1HC	Horizontal U-bracket for CUE ONE
A1WM	Wall mount bracket for CUE ONE
FC1CUE	Flight case for 2x CUE ONE
CFA	Flying Adapter for CUE-Series
CSF	Stand fitting for CUE-Series

#### TECHNICAL SPECIFICATIONS CUE ONE

Type:	3-way high output stage monitor
Application:	Stage monitor
Frequency response:	54 Hz - 21 kHz (-3 dB)
Power handling AES:	2000 W
Peak Power:	8000 W
Sensitivity:*	104 dB
Max. SPL peak:	143 dB
Dispersion:	
Horizontal:	60°
Vertical:	55° + 40°
Components:	
Low frequency:	2 x 12" neodymium woofer, 4" (101.6 mm) voice coil, 1000 W
High frequency:	1.4" neodymium coaxial driver 3.5" (90 mm), + 1.75" (44.4 mm) voice coil, 150 W + 80 W
Crossover:	750 Hz passive or bi-amp (internal connector), 6.3 kHz passive
Nominal impedance:	4 Ohm
Input connectors:	2x Neutrik™ NL4MP
Enclosure material:	15 / 18 mm plywood
Finish:	Textured black paint
Dimensions:	670 x 322 x 627 mm
Net weight:	32 kg

\* Half-space loading

## CUE TWO



### CUE TWO

3-way high output ultra low profile stage monitor

- 3-way coherent point source technology
- 15" / 1.4" triaxial transducer
- 60° x 90° elliptical waveguide
- Outstanding audio quality
- Ultra low feedback
- Integrated hardware for increased dispersion
- Powerful low frequency response
- Mechanically durable
- Discrete cables connection
- Passive or bi-amp operation
- Light weight

- System components: LINUS RACKs, LINUS DSP-amplifiers

TECHNICAL SPECIFICATIONS CUE TWO	
Type:	3-way high output stage monitor
Application:	Stage monitor
Frequency response:	54 Hz - 21 kHz (-3 dB)
Power handling AES:	1000 W
Peak Power:	4000 W
Sensitivity:*	103 dB
Max. SPL peak:	139 dB
Dispersion:	
Horizontal:	60°
Vertical:	90°
Components:	
Low frequency:	15" neodymium woofer 4" (101.6 mm) voice coil, 1000 W
High frequency:	1.4" neodymium coaxial driver 3.5" (90 mm) + 1.75" (44.4 mm) voice coil, 150 W + 80 W
Crossover:	750 Hz passive or bi-amp (internal connector), 6.3 kHz passive
Nominal impedance:	8 Ohm
Input connectors:	2x Neutrik TM NL4MP
Enclosure material:	15 / 18 mm plywood
Finish:	Textured black paint
Dimensions:	540 x 379 x 574 mm
Net weight:	29 kg
Weatherproof version:	Optional
* Half-space loading	

The cabinet contains a triaxial transducer incorporating an extremely high power 15" neodymium cone driver and a 1.4" coaxial compression driver concentrically mounted to the woofer and loaded by a 60° x 90° elliptical waveguide.

The CUE TWO has the same unique physical characteristics to be found across the series when it comes to cable connection and variable dispersion hardware, while being based on a true triaxial transducer design with a symmetrical HF 60 x 90 wave guide. The resulting total coherence of the unit delivers both power and a purity of sonic reproduction that is world class.

#### ACCESSORIES

A2HC	Horizontal U-bracket for CUE TWO
A2WM	Wall mount bracket for CUE TWO
FC2CUE	Flight case for 2x CUE TWO
CFA	Flying Adapter for CUE-Series
CSF	Stand fitting for CUE-Series

## CUE FOUR

## CUE FOUR

3-way high output ultra low profile stage monitor



- 3-way coherent point source technology
- Double 8" and 1.4" coax driver
- Asymmetrical vertical coverage 55° + 40°
- Outstanding audio quality
- Ultra low feedback
- Ultra low profile design
- Integrated hardware for increased dispersion
- Mechanically durable
- Discrete cable connection
- Passive or bi-amp operation
- Light weight

#### ■ System components: LINUS RACKs, LINUS DSP-amplifiers

The cabinet contains double 8" high power neodymium woofers and a 1.4" coaxial compression driver loaded by an asymmetrical 60° x 55° + 40° elliptical waveguide.

The CUE FOUR may be the smallest in the family, but don't let that fool you; once again the CUE FOUR has all the inherent technologies to be found in the series in a smaller footprint. This reduction in physical size and weight makes the CUE FOUR particularly useful in applications where restrictions in placement play their part. This is a big, little monitor, delivers the same high quality audio reproduction and coherency as the CUE ONE and the CUE TWO with the added advantage of being small, low profile and light weight. The CUE FOUR has wall mounting accessories to assist placement in specific applications such; TV studios, Houses of Worship and orchestras.

#### ACCESSORIES

A4HC	Horizontal U-bracket for CUE FOUR
A4WM	Wall mount bracket for CUE FOUR
FC4CUE	Flight case for 4x CUE FOUR
CFA	Flying Adapter for CUE-Series
CSF	Stand fitting for CUE-Series

#### TECHNICAL SPECIFICATIONS CUE FOUR

Type:	3-way high output stage monitor
Application:	Stage monitor
Frequency response:	54 Hz - 21 kHz (-3 dB)
Power handling AES:	500 W
Peak Power:	2000 W
Sensitivity*:	104 dB
Max. SPL peak:	137 dB
Dispersion:	
Horizontal:	60°
Vertical:	55° + 40°
Components:	
Low frequency:	2 x 8" neodymium woofers, 2" (52 mm) voice coil, 250 W (AES) each
High frequency:	1.4" neodymium coaxial driver 3.5" (90 mm) + 1.75" (44.4 mm) voice coil, 150 W + 80 W
Crossover:	750 Hz passive or bi-amp (internal connector), 6.3 kHz passive
Nominal impedance:	8 Ohm
Input connectors:	2x Neutrik™ NL4MP
Enclosure material:	15 / 18 mm plywood
Finish:	Textured black paint
Dimensions:	545 x 450 x 272 mm
Net weight:	19 kg
Weatherproof version:	Optional
* Half-space loading	

# G-Series



The G-Series range, compact versatile full range systems that incorporate the best driver and waveguide technology available today.

### Rotatable waveguides

The newly designed elliptical waveguides offer exceptional directivity control without internal diffraction and resonances. Going beyond the classical horn theory the new design significantly reduces horn resonances and audibly improves the sound quality.

### Audiophile grade neodymium HF drivers

All compression drivers utilise patented annular diaphragm design and contain CuCup technology to reduce intermodulation distortion IMD. The neodymium cone drivers include triple aluminum demodulating rings for ultra low distortion and increased power handling.

### Ultra low distortion neodymium cone drivers

The long excursion cone drivers contain high flux, linear motors with triple demodulation rings for ultra low distortion and increased power handling.

### System integration

Although the G-Series loudspeakers incorporate dedicated passive crossovers ensuring linear frequency and phase response allowing them to work without additional processing, the use of Coda Audio's digital controllers dramatically improves the overall system performance offering protection and frequency response optimization either in full range mode or in stage monitor applications or in combination with subwoofers.

### Accessories and Hardware

Optimized for installation and touring the G-Series features M6 flying points for optional u-brackets to mount them to walls or ceilings as well as special hardware kits for almost every kind of installation or touring application.

### Other Features:

- Best sound quality
- Maximum output and reliability in their class
- Competitive price



### G300-Series – 2-way compact full-range systems

- Extreme compact multidesign enclosure
- Wide coverage angles
- 1" patented compression driver
- Multiple fly-points for easy hanging
- Extended accessories range for both touring and installation

Superior sound quality designed for near field applications containing the finest drivers and a wide dispersion symmetrical wood waveguides for uncoloured high fidelity sound. The systems provide a smart solution for installations, bands, small clubs, 5.1 surround and corporate events or as a stage monitor.

### G500-Series – medium output 2-way full-range systems

- Superb quality patented annular diaphragm
- 1" neodymium HF drivers
- Ultra low distortion woofers with 3" VC and triple demodulation rings
- Rotatable elliptical waveguides
- M6 suspension points
- Versatile enclosures
- Extended accessories range for both touring and installation

These 2-way systems are rated at 600 W continuous power and are best suited for sound reinforcement applications where the best sound quality at moderate levels is required. The G500-Series incorporates 12" and 15" neodymium drivers with 3" voice coil and a 1" annular diaphragm compression driver mounted on an elliptical waveguide. Offering the very best performance / cost ratio the G500-Series is suited for installations, bands, stage monitoring, DJs and clubs.

### G700-Series – High output 3-way full-range systems

- 3-way systems where the mid and high frequency are radiated from one point
- Unique patented 1.4" coaxial neodymium driver
- Ultra low distortion woofers with 4" VC and triple demodulation rings
- Internal selector for passive or bi-amp operation
- Rotatable elliptical waveguides
- M6 suspension points
- Versatile enclosures
- Extended accessories range for both touring and installation

The G700-Series incorporates 12" and 15" neodymium drivers with 4" voice coil and 1.4" neodymium coaxial compression drivers mounted on elliptical waveguides. Rated at 1000 W continuous power handling the 700-Series is suited for touring and installation applications where the highest output and outstanding sound quality are required. At the heart of the G700-Series is the patented 1.4" neodymium coaxial compression driver. An extremely wide and flat frequency response is achieved at high sensitivity due to the unique construction. The advanced design aligns the acoustical centers of the mid and high frequency range to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.



**G308 / G308F****G308 / G308F**

Compact 2-way full range system

- Extreme compact multidesign enclosure
- Wide coverage angles
- 1" patented compression driver
- Multiple fly-points for easy hanging
- Extended accessories range for both touring and installation
- G308F features integrated flange adapter
- System components: Coda Audio System Amplifier, Coda Audio System Controller, G15-SUB, G18-SUB

The Coda Audio G308 is a compact versatile full range 2-way loudspeaker system that features an 8" ultra low distortion low frequency driver and a 1" compression driver coupled to a 90° conical wood waveguide.

The G308 incorporates a multidesign enclosure fitted with M6 flying points enabling it to be used horizontal, vertical or as a floor monitor.

**TECHNICAL SPECIFICATIONS G308**

Type:	2-way full range system, multidesign enclosure
Application:	High quality short throw
Frequency response:	70 Hz - 30 kHz (-3 dB)
Power handling AES:	220 W
Program power:	440 W
Peak power:	880 W
Sensitivity:	94.5 dB
Max. SPL peak:	124 dB
Dispersion:	90° conical
Components:	
Low frequency:	8" ultra low distortion cone driver, 2" voice coil
High frequency:	1" compression driver, 1.5" voice coil
Crossover point:	1900 Hz
Nominal impedance:	8 Ohm
Input connectors:	2x Neutrik™ NL4MP
Enclosure material:	Birch plywood
Suspension:	2x M6 threaded points
Flange adapter:	G308F only
Dimensions (WxHxD):	230 x 471 x 260 mm
Net weight:	9.5 kg
	Human EQ-switch

**ACCESSORIES**

FC308	Flight case for 2x G308 / G308F
A8VG	Vertical U-bracket for G308 / G308F
A8HG	Horizontal U-bracket for G308 / G308F
GFA	Flying Adapter for G308
GSF	Stand fitting for G308
M6	Ring for rigging G308 / G308F
A68620	Truss Clamp for G308 / G308F

## G512-96

## G512-96

## 2-way compact full range multidesign



- 2-way compact versatile full range system
- High power handling of 600 W
- Neodymium drivers for light weight
- 90° x 60° rotatable elliptical waveguide
- Designed for both PA and stage monitoring
- System components: Coda Audio System Amplifier, Coda Audio System Controller, G15-SUB, G18-SUB

## TECHNICAL SPECIFICATIONS G512-96

Type:	2-way full range system, multidesign enclosure
Application:	High quality short throw or stage monitor
Frequency response:	60 Hz – 21 kHz (-3 dB)
Power handling AES:	600 W
Peak power:	2400 W
Sensitivity:	98 dB
Max. SPL peak:	132 dB
Dispersion:	90°x 60°
Components:	
Low frequency:	12" neodymium woofer, 3" (77 mm) voice coil, 600 W (AES)
High frequency:	1" neodymium compression driver, 1.75" (44.4 mm) VC, 80 W (AES)
Crossover point:	1300 Hz passive
Nominal impedance:	8 Ω
Input connectors:	2 x Neutrik™ NL4MP
Suspension:	M6 threaded points for use of optional U-bracket
Enclosure material:	15/18 mm birch plywood
Finish:	Textured black paint
Dimensions (WxHxD):	348 x 630 x 320 mm
Net weight:	16 kg
Weatherproof version:	Optional

The G512-96 is a versatile full range two-way loudspeaker system that features ultra low distortion 12" neodymium woofer and a 1" neodymium compression driver coupled to a 90° x 60° rotatable elliptical waveguide. The G512 incorporates a multi design enclosure fitted with M6 threaded points for use with an optional U-bracket and includes an integral top hat. Applications include clubs, corporate events, FOH, stage monitor and band PA.

## ACCESSORIES

A12VG	Vertical U-bracket for G512-96
A12HG	Horizontal U-bracket for G512-96
24481	Wall Mount for G512-96
GFA	Flying Adapter for G512-96
M6 Ring	for rigging G512-96
AK2G	Array kit for 2 x G512-96

**G515-96****G515-96**

2-way high power full range multidesign

- 2-way compact versatile full range system
- High power handling of 600 W
- Neodymium drivers for light weight
- 90° x 60° rotatable elliptical waveguide
- Designed for both PA and stage monitoring
- System components: Coda Audio System Amplifier, Coda Audio System Controller, G15-SUB, G18-SUB

The G515-96 is a versatile full range two-way loudspeaker system that features ultra low distortion 15" neodymium woofer and a 1" neodymium compression driver coupled to a 90° x 60° rotatable elliptical waveguide. The G515 incorporates a multidesign enclosure fitted with M6 threaded points for use with an optional U-bracket and includes an integral top hat. Applications include clubs, corporate events, FOH, stage monitor and band PA.

## TECHNICAL SPECIFICATIONS G515-96

Type:	2-way full range system, multidesign enclosure
Application:	High quality short throw or stage monitor
Frequency response:	50 Hz - 21 kHz (-3dB)
Power handling AES:	600 W
Peak power:	2400 W
Sensitivity:	98 dB
Max. SPL peak:	132 dB
Dispersion:	90°x 60°
Components:	
Low frequency:	15" neodymium woofer, 3" (77 mm) voice coil, 600W (AES)
High frequency:	1" neodymium compression driver, 1.75" (44.4 mm) voice coil, 80W (AES)
Crossover point:	1200 Hz passive
Nominal impedance:	8 Ω
Input connectors:	2 x Neutrik™ NL4MP
Suspension:	M6 threaded points for use of optional U-bracket
Enclosure material:	15 mm birch plywood
Finish:	Textured black paint
Dimensions (WxHxD):	420 x 700 x 370 mm
Net weight:	17.5 kg
Weatherproof version:	Optional

**ACCESSORIES**

- A15VG Vertical U-bracket for G515-96
- A15HG Horizontal U-bracket for G515-96
- 24481 Wall Mount for G515-96
- GFA Flying Adapter for G515-96
- M6 Ring for rigging G515-96
- AK2G Array kit for 2 x G515-96

## G712-96

## G712-96

3-way compact full range multidesign



- 3-way high output versatile full range system
- Unique 1,4" coaxial neodymium driver
- 90° x 60° rotatable elliptical waveguide
- 12" neodymium ultra low distortion woofer
- Passive or bi-amplified operation
- Designed for fixed installation, touring and stage monitoring

- System components: LINUS RACKs, DSP-amplifiers, G18-SUB, SCP, SC4

## TECHNICAL SPECIFICATIONS G712-96

Type:	3-way high power full range system, multidesign enclosure
Application:	High output short/medium throw or stage monitor
Frequency response:	60 Hz – 21 kHz (-3 dB)
Power handling AES:	1000 W
Peak power:	4000 W
Sensitivity:	98 dB
Max. SPL peak:	134 dB
Dispersion:	90°x 60°
Components:	
Low frequency:	12" neodymium woofer, 4" (101.6 mm) voice coil, 1000 W (AES)
High frequency:	1.4" neodymium coaxial driver, 3.5" (90 mm) + 1.75" (44.4 mm) voice coil, 150 W + 80 W (AES)
Crossover point:	750 Hz, 6.3 kHz passive
Nominal impedance:	8 Ω
Input connectors:	2 x Neutrik™ NL4MP
Suspension:	6 x M6 threaded points
Enclosure material:	15 / 18 mm Baltic birch plywood
Finish:	Textured black paint (all RAL-colours optional)
Dimensions (WxHxD):	348 x 630 x 320 mm
Net weight:	21.5 kg
Weatherproof version:	Optional

The Coda Audio G712-96 is a versatile full range 3-way loudspeaker system that features a high power 12" neodymium woofer and a 1.4" coaxial neodymium driver coupled to a rotatable 90° x 60° elliptical waveguide. As a 3-way system the G712-96 may be driven passively or with bi-amplification to provide extremely high acoustic output. The Coda Audio G712-96 is a powerful solution for front of house touring, installed PA for theatres, clubs and corporate events or as a stage monitor.

## ACCESSORIES

A12VG	Vertical U-bracket for G712-96
A12HG	Horizontal U-bracket for G712-96
24481	Wall Mount for G712-96
GFA	Flying Adapter for G712-96
M6 Ring	for rigging G712-96
AK2G	Array kit for 2 x G712-96

## G715-96



## G715-96

3-way compact full range multidesign

- 3-way high output versatile full range system
- Unique 1,4" coaxial neodymium driver
- 90° x 60° rotatable elliptical waveguide
- 15" neodymium ultra low distortion woofer
- Passive or bi-amplified operation
- Designed for fixed installation, touring and stage monitoring

- System components: LINUS RACKs, DSP-amplifiers, G18-SUB, SCP, SC4

The Coda Audio G715-96 is a versatile full range 3-way loudspeaker system that features a high power 15" neodymium woofer and a 1.4" coaxial neodymium driver coupled to a rotatable 90° x 60° elliptical waveguide. As a 3-way system the G715-96 may be driven passively or with bi-amplification to provide extremely high acoustic output. The Audio G715-96 is a powerful solution for front of house touring, installed PA for theatres, clubs and corporate events or as a stage monitor.

## TECHNICAL SPECIFICATIONS G715-96

Type:	3-way high power full range system, multi design enclosure
Application:	High output short/medium throw or stage monitor
Frequency response:	50 Hz - 21 kHz (-3 dB)
Power handling AES:	1000 W
Peak power:	4000 W
Sensitivity:	98 dB
Max. SPL peak:	134 dB
Dispersion:	90°x60°
Components:	
Low frequency:	15" neodymium woofer, 4" (101.6 mm) voice coil, 1000 W (AES)
High frequency:	1.4" neodymium coaxial driver, 3.5" (90 mm) + 1.75" (44.4 mm) voice coil, 150 W + 80 W (AES)
Crossover point:	750 Hz, 6.3 kHz passive
Nominal impedance:	8 Ω
Input connectors:	2 x Neutrik™ NL4MP
Suspension:	6 x M6 threaded points
Enclosure material:	15 / 18 mm Baltic birch plywood
Finish:	Textured black paint (all RAL-colours optional)
Dimensions (WxHxD):	420 x 700 x 370 mm
Net weight:	24.5 kg
Weatherproof version:	Optional

## ACCESSORIES

- A15VG Vertical U-bracket for G715-96
- A15HG Horizontal U-bracket for G715-96
- 24481 Wall Mount for G715-96
- GFA Flying Adapter for G715-96
- M6 Ring for rigging G715-96
- AK2G Array kit for 2 x G715-96



## G-SUB-Series



- Coda Audio ultra low distortion neodymium woofer
- System integration with G-Series full range systems
- Low power compression

The G-SUBs are professional port loaded subwoofers designed to complement the G-Series full range systems for portable, touring and install applications. Equipped with the newest generation neodymium high excursion drivers they provide high output extended low frequency response with punch and definition.

#### State-of-the-art drivers

The G-SUBs are equipped with an extremely long excursion neodymium ultra low distortion woofer. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 38 mm high, ensuring ultra linear excursion of 26 mm / pp at consistent magnetic force.



## G15-SUB



## G15-SUB

Compact high output subwoofer

- Coda Audio 15" ultra low distortion neodymium woofer
- Extended frequency response down to 38 Hz
- System integration with the G500-Series 2-way full range systems
- Maximum SPL 138 dB (peak)
- Low power compression
- System components: Coda Audio System Amplifier, Coda Audio System Controller, G308, G512-96, G515-96

### State-of-the-art drivers

The G15-SUB is equipped with an extremely long excursion 15" neodymium ultra low distortion woofer. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 38 mm high, ensuring ultra linear excursion of 26 mm / pp at consistent magnetic force. State-of-the-art carbon-fiber cone ensures maximum stiffness and low moving mass.

Three aluminum shorting rings reduce intermodulation distortion, minimize induction variation while reducing thermal compression. This design dramatically reduces the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet.

### Applications

The G15-SUB is perfectly suited as a sub-extension for the G500-Series systems and can be used in Houses of Worship, Theatres, clubs and mobile applications.

The G15-SUB is a 15" compact subwoofer that provides powerful low frequency response. Low port compression and optimized enclosure design give a tight, accurate bass response that is ideally suited as a sub-extension for the G500-Series systems.

### TECHNICAL SPECIFICATIONS G15-SUB

Type:	15" subwoofer
Application:	Compact high output subwoofer
Frequency response (-6 dB):	38 Hz - 180 Hz
Power handling (AES/peak):	1250 W / 5000 W
Sensitivity 1 W / 1 m:*	101 dB
Maximum output peak:**	138 dB
Components:	15" neodymium ultra low distortion woofer, 4" (101.6 mm) voice coil, 1250 W (AES)
Nominal impedance:	8 Ohm, +1 / -1
Input connectors:	2x Neutrik™ NL4MP
Suspension:	Optional
Enclosure material:	Baltic birch
Finish:	Textured black paint
Dimensions:	520 x 431 x 630 mm
Net weight:	34 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

### ACCESSORIES

- DOT-G15-SUB Transport dolly for G15-SUB
- CO G15-1 Protection cover for 1x G15-SUB

## G18-SUB

## G18-SUB

Extended low frequency subwoofer



- Coda Audio 18" ultra low distortion neodymium woofer
- Extended frequency response down to 28 Hz
- System integration with G700-Series systems
- Maximum SPL 139 dB (peak)
- Low power compression

- System components: Coda Audio System Amplifier, Coda Audio System Controller, G512-96, G515-96, G712-96, G715-96

**Applications:**

The G18-SUB is perfectly suited as a sub-extension for the G700-Series systems and can be used in Houses of Worship, Theatres, clubs and mobile applications.

The G18-SUB is an 18" compact subwoofer that provides powerful and extended low frequency response. Low port compression and optimized enclosure design give a tight, accurate bass response that is ideally suited as a sub-extension for the G700-Series systems.

**State-of-the-art drivers**

The G18-SUB is equipped with an extremely long excursion 18" neodymium ultra low distortion woofer. The neodymium motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 38 mm high, ensuring ultra linear excursion of 26 mm / pp at consistent magnetic force.

State-of-the-art carbon-fiber cone ensures maximum stiffness and low moving mass. Three aluminum shorting rings reduce intermodulation distortion, minimize induction variation while reducing thermal compression. This design dramatically reduces the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet.

## TECHNICAL SPECIFICATIONS G18-SUB

Type:	18" subwoofer
Application:	Extended low frequency subwoofer
Frequency response (-6 dB):	28 Hz - 120 Hz
Power handling (AES/peak):	1250 W / 5000 W
Sensitivity 1 W / 1 m:*	102 dB
Maximum output peak:**	139 dB
Components:	18" neodymium ultra low distortion woofer, 4" (101.6 mm) voice coil, 1250 W (AES)
Nominal impedance:	8 Ohm, +1 / -1
Input connectors:	2x Neutrik™ NL4MP
Suspension:	Optional
Enclosure material:	Baltic birch
Finish:	Textured black paint
Dimensions:	630 x 505 x 780 mm
Net weight:	46 kg

\* Half-space loading

\*\*Measured with pink noise 6 dB crest factor

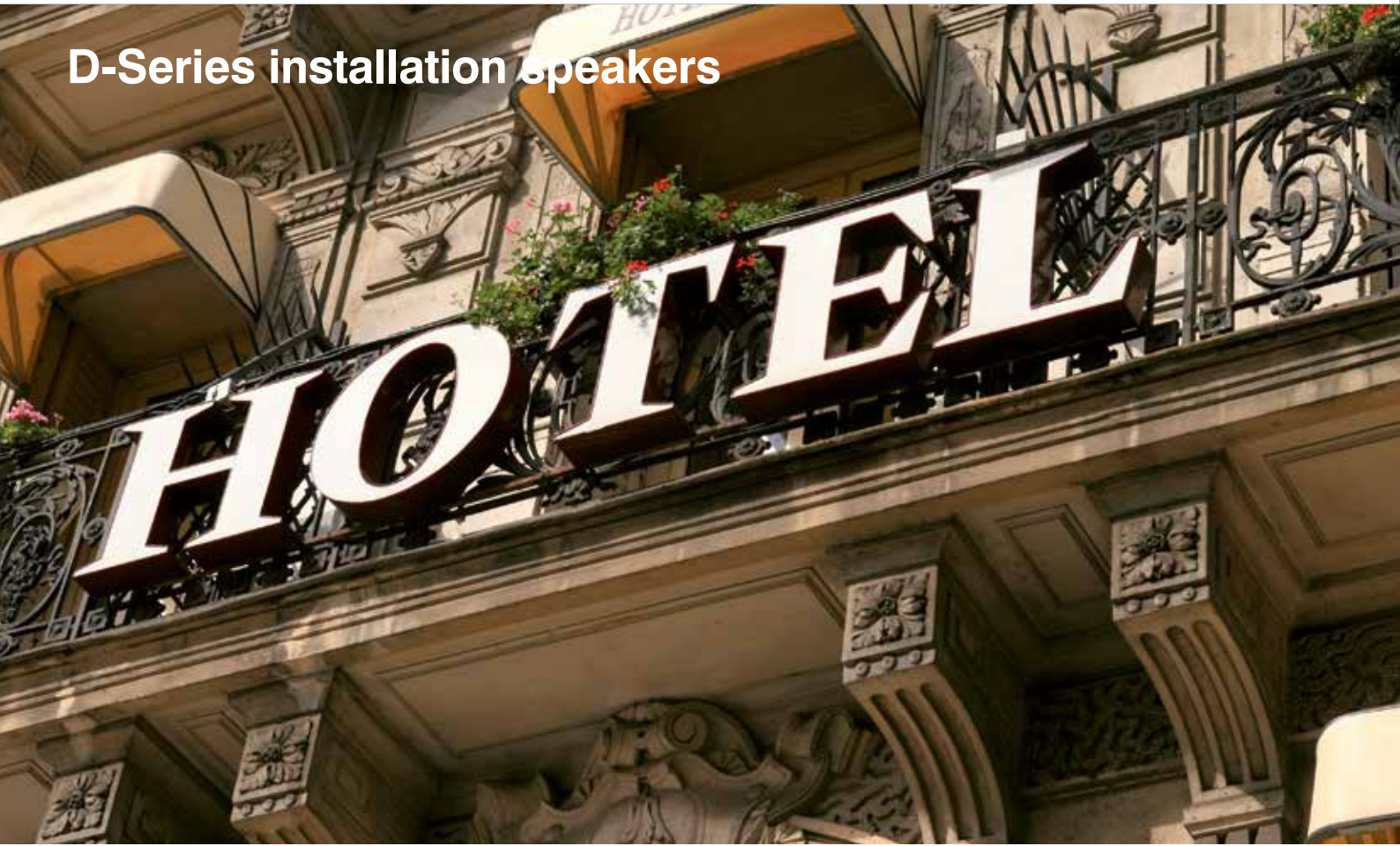
**ACCESSORIES**

DOT-G18-SUB Transport dolly for G18-SUB

CO G18-1 Protection cover for 1x G18-SUB



## D-Series installation speakers



The D-Series range, precise, accurate and compact, a no compromise approach to near-fill sound reinforcement applications where highest quality audio is achieved via true point source technology.

This unique loudspeaker technology aligns the acoustical centres of the transducers providing a coherent wave front without hot-spots.

The latest generation of Coda's advanced coaxial technology is found across the growing range; their high output and ultra low distortion characteristics combined with precise directivity to ensure uniform coverage with perfect time alignment between the components, the D-Series is recognised for its high quality powerful sonic quality.

The D-Series, incorporating D5-Tube / D5-Ceiling / D5-Cube and D8 is further enhanced by the introduction of

the new D12 2-way passive system and the new D20, a true full-range 3-way system. Both the D12 and the D20 embrace all the benefits of Coda's point source technology while each have additional key design advantages which deliver an even wider set of solutions; high power before feedback, symmetrical coverage, extended low frequency response, true full-range performance, compact form and a full mounting accessories suite, just some of the exacting highlights that grace these advanced system.

D-Series - a state of the art solution for just about any installed sound reinforcement application.

## D5-Tube / D5-Ceiling



D5-Tube

D5-Ceiling



- Ultra compact 2-way coaxial system
  - Coda Audio 5"/1" coaxial loudspeaker
  - Attractive solid aluminum design
- Single point source system providing coherent wave front
  - Superb quality sound
  - Impedance 16 Ohm for easy daisy chaining
- System components: Coda Audio System Amplifier, Coda Audio System Controller, PW112, PW12A

### TECHNICAL SPECIFICATIONS D5-Tube

Type:	2-way coaxial ultra compact
Application:	Superior quality short throw
Frequency response:	90 Hz - 30 kHz (-3dB)
Power handling AES:	125 W
Program power:	250 W
Peak power:	500 W
Sensitivity:	91 dB
Max. SPL peak:	117 dB
Dispersion:	90° conical
Components:	
Low frequency:	5" woofer, 1.5" (38 mm) voice coil, 120 W (AES)
High frequency:	1" coaxially mounted driver, 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	1600 Hz passive
Nominal impedance:	16 Ω
100V version (optional):	100 VA
Input connectors:	2x Neutrik™ NL4MP
Enclosure material:	Solid aluminum
Finish:	Metal (all RAL-colours optional available)
Weatherproof version:	Optional
Flying hardware:	M8 Thread
Dimensions (Ø x D) D5-Tube:	170 x 193 mm
Dimensions (Ø x D) D5-Ceiling:	170 x 193 mm, ceiling cut out Ø160 mm
Net weight:	4 kg

The Coda D5-Tube is a passive 2-way 5" / 1" coaxial loudspeaker system designed without compromise to provide a true one point source in an ultra compact package.

The D5-Tube incorporates an attractive cylindrical solid aluminum enclosure supplied with a U-bracket. The cabinet contains a high power 5" woofer and a coaxially mounted driver with 44.4 mm voice coil. The advanced design aligns the acoustical centers of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components.

Supported with a full range of mounting and flying accessories the D5-Tube sets a state of the art solution for almost any high quality, near field installed sound reinforcement applications, such as conference, restaurants, pubs, shopping centres, clubs, convention centres, houses of worship, airports and 5.1 surround.

Also available D5-Tube 100 V including 100 V trafo, 100 VA and D5-Ceiling for ceiling suspended installation.

### ACCESSORIES

CUV200	Vertical U-bracket for D5-Tube (included in delivery)
A68620	Truss Clamp for D5-Tube



## D5-Cube



## D5-Cube

2- way passive installation system

- Ultra compact 2-way coaxial system
- Coda Audio 5"/1" coaxial loudspeaker
- Attractive solid aluminium design
- Single point source system providing coherent wave front
- Superb quality sound
- Impedance 16 Ohm for easy daisy chaining
- System components: Coda Audio System Amplifier, Coda Audio System Controller, PW112, PW12A

The Coda D5-Cube is a passive 2-way 5" / 1" coaxial loudspeaker system designed without compromise to provide a true one point source in an ultra compact package. The cabinet contains a high power 5" woofer and a coaxially mounted driver with 44.4 mm voice coil. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components.

Supported with a full range of mounting and flying accessories the D5-Cube sets a state of the art solution for almost any high quality, near field installed sound reinforcement applications, such as conferences, restaurants,

pubs, shopping centres, clubs, convention centres, houses of worship, airports and 5.1 surround. Also available D5-Cube 100 V including 100 V trafo, 100 VA.

### TECHNICAL SPECIFICATIONS D5-Cube

Type	2-way coaxial ultra compact
Application:	Superior quality short throw
Frequency response:	90 Hz - 30 kHz (-3 dB)
Power handling AES:	125 W
Program power:	250 W
Peak Power:	500 W
Sensitivity:	91 dB
Max. SPL peak:	117 dB
Dispersion:	90° conical
Components:	
Low frequency:	5" woofer, 1.5" (38 mm) voice coil, 120 W (AES)
High frequency:	1" coaxially mounted driver,   1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	1600 Hz passive
Nominal impedance:	16 Ω
100 V version (optional):	100 VA
Input connectors:	Push buttons
Enclosure material:	12/15 mm birch multiplex
Weatherproof version:	Optional
Suspension:	M6 threaded points, 3/8 thread for stand
Dimensions (WxHxD):	160x160x160 mm
Net weight:	3.5 kg

### ACCESSORIES

CU5DC	Vertical U-bracket for D5-Cube (included in delivery)
24185	Wall Mount for D5-Cube
24471	Wall Mount for D5-Cube
A68620	Truss Clamp for D5-Cube

D8

D8

## 2-way passive installation system



- Ultra compact 2-way coaxial system
- Coda Audio 8"/1" coaxial loudspeaker
- Single point source system providing coherent wave front
- Superb quality sound
- M6 flying points
- Improved transient response

- System components: Coda Audio System Amplifier, und Coda Audio System Controller, PW115, PW118

The Coda D8 is a 2-way coaxial loudspeaker system designed without compromise to provide a true one point source in an ultra compact package. The cabinet contains

a high power 8" woofer and a coaxially mounted driver with 44.4 mm voice coil. The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components.

Also available D8 100 V including 100 V trafo, 100 VA.

Supported with a full range of mounting and flying accessories the D8 delivers a state-of-the-art solution for almost any high quality, near field installed sound reinforcement applications such as conference, theatres, clubs, convention centers, airports and 5.1 surround.

## TECHNICAL SPECIFICATIONS D8

Type:	2-way coaxial ultra compact
Application:	Superior quality short throw
Frequency response:	70 Hz - 20 kHz (-3 dB)
Power handling AES:	250 W
Program power:	500 W
Peak power:	1000 W
Sensitivity:	95 dB
Max. SPL peak:	124 dB
Dispersion:	90° conical
Components:	
Low frequency:	8" neodymium woofer, 2" (52 mm) voice coil, 250 W (AES)
High frequency:	1" neodymium driver, 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	1500 Hz passive
Nominal impedance:	16 Ω
100 V version (optional):	100 VA
Input connectors:	2x Neutrik™ NL4MP
Enclosure material:	12/15mm birch multiplex
Finish:	Textured black paint (all RAL-colors optional)
Weatherproof version:	Optional
Flying Hardware:	M6 threaded points
Dimensions (WxHxD):	230x348x263 mm
Net weight:	7 kg

## ACCESSORIES

CU8DV	Vertical U-bracket for D8
CU8DH	Horizontal U-bracket D8
24185	Wall Mount for D8
24171	Wall Mount for D8
195/8	Stand fitting for D8
M6 Ring	for rigging D8

D12



- Compact 2-way coherent point source technology
- 12" ultra low distortion driver with 3" VC and triple demodulation rings
- Coaxially mounted 1.75" annular diaphragm superb quality HF driver
- High power handling of 600 W (AES)

- System components: Coda Audio System Amplifier, Coda Audio System Controller, System Subwoofer

The Coda D12 is a passive 2-way coaxial loudspeaker system designed without compromise to provide a true one point source in a compact package. The cabinet contains a high power 12" woofer and a coaxially mounted ring diaphragm high frequency driver with 44.4mm voice coil.

The advanced design aligns the acoustical centers of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity of 90° conical ensures uniform coverage with perfect time alignment between the components. Supported with a full range of mounting and flying accessories the D12 sets a state of the art solution for almost any high quality, near field installed sound reinforcement applications.

**ADVANCED DRIVER TECHNOLOGY**

At the heart of the D12 is the new developed 12"/1,75" coaxial driver. The 12" cone driver covers the 60 - 1.300 Hz range with high efficiency and smooth, linear response. Three aluminium shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. The coaxially mounted high frequency driver contains an ultra light 1,75" annular diaphragm providing exceptional transient response with very high efficiency from 1kHz to 20 kHz. This new transducer was engineered to radiate a single source, coherent 90° wave front for superior dispersion control and high fidelity sound.

**SYSTEM SOLUTION**

The D12 is designed to work exclusively with dedicated Coda Audio LINUS or C3/C5 amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

**ACCESSORIES**

CUD12V	Vertical U-bracket for D12	24481	Wall mount
CUD12H	Horizontal U-bracket for D12	DSF	Stand fitting
DFA	Flying adapter	M6	Ring

D12

2- way passive installation system

- Symmetrical coverage of 90°
- Superior sound quality
- Optimized for near-field applications
- High output before feedback
- System integration with LINUS amplifiers
- Integrated M6 flying points

**OPTIONS**

Additional colours and weather protection options are available on request.

**APPLICATIONS**

Supported with a full range of mounting and flying accessories the D12 sets a state of the art solution for almost any high quality, near field installed sound reinforcement applications.

TECHNICAL SPECIFICATIONS D12

Type:	Compact 2-way coaxial installation system
Application:	Superior quality near field applications
Frequency response:	60 Hz - 20 kHz (-4 dB)
Power handling AES:	600 W
Peak power:	2400 W
Sensitivity:	98 dB*
Max. SPL peak:	132 dB**
Dispersion:	90° conical
Components:	
Low frequency:	12" woofer, 3" (77mm) VC, 600 W (AES)
Mid/High frequency:	Annular diaphragm compression driver, 1.75" (44.4 mm) VC, 80 W (AES)
Crossover:	1.2 kHz passive
Nominal impedance:	4 Ω
Cabinets per amp channel:	1***
Input connectors:	2x Neutrik™ NL4MP
Suspension:	10 x M6 threaded points
Enclosure material:	Birch plywood
Finish:	Black Polyurea coating (water resistant)
Dimensions (WxHxD):	342 x 452 x 425 mm
Net weight:	19kg
Weatherproof version:	Optional

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

\*\*\* In low SPL applications up to 2 x D12 per channel can be connected

- 3-way coherent point source technology
- True full range performance (35 Hz – 20 kHz)
- 8"/1.75" coaxial driver and 12" extremely high excursion cone driver

- High power handling of 1000 W (AES)
- Symmetrical coverage of 90°
- Optimized for near-field applications

- System components: Coda Audio System Amplifier, Coda Audio System Controller

## HISTORY

Large studio monitors are engineered to produce extended low frequencies at low levels. Whereas, full range PA loudspeakers are not really full range; they are optimized for high efficiency above 60Hz so require additional subwoofers to extend the lower frequency range. There are few if any professional solutions for a compact cabinet providing extended low frequency at high SPL. D20 is such a solution - a compact 3-way point source designed without compromise to provide extended low frequency at high level.

## DESCRIPTION

The D20 is a passive 3-way full range compact system, designed for installation applications where extended low frequencies and superior dispersion control are required.

### TECHNICAL SPECIFICATIONS D20

Type:	Compact 3-way true full range installation system
Application:	Superior quality near-field applications with extended low range
Frequency response:	35 Hz - 20 kHz (-4 dB)
Power handling AES:	1000 W
Peak power:	4000 W
Sensitivity:	97 dB*
Max. SPL peak:	133 dB**
Dispersion:	90° conical
Components:	
Low frequency:	12" woofer, 1000 W (AES)
Mid/High frequency:	8"/1.75" coaxial driver, Mid: 2" (51 mm), High: 1.75" (44.4 mm) voice coil, 180 W + 80 W (AES)
Crossover:	300 Hz, 1.3 kHz passive
Nominal impedance:	4 Ω
Cabinets per amp channel:	1***
Input connectors:	2x Neutrik™ NL4MP
Suspension:	10x M6 threaded points
Enclosure material:	Birch plywood
Finish:	Polyurea black coating (water resistant)
Dimensions (WxHxD):	342 x 700 x 425mm
Net weight:	26 kg
Weatherproof version:	Optional

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor

\*\*\* In low SPL applications up to 2 x D20 per channel can be connected

D20

True full range  
3-way point source



D20

## TRUE FULL RANGE

The 12" ultra low distortion cone driver covering the range 35 Hz – 400 Hz. with 3" voice coil, ensuring linear excursion, and 3 aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality providing deep and punchy bass.

## TRUE COCHERENT

At the heart of the D20 is the newly developed 8"/1.75" coaxial driver. The 8" cone midrange covers the 200 - 1.800 Hz range. The high frequency driver contains an ultra light 1.75" annular diaphragm providing exceptional transient response with very high efficiency from 1kHz to 20 kHz.

## CONTROLLED DISPERSION AT HIGH SPL

The low and mid range are overlapped in the range 200 – 400 Hz while mid and high range are overlapped in the 1 – 1.8 kHz range. This increases the maximal SPL of the system providing improved directivity control.

## SYSTEM SOLUTION

The D20 is designed to work exclusively with dedicated Coda Audio LINUS or C3/C5 amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

## OPTIONS

Additional colours and weather protection options are available on request.

## APPLICATIONS

Designed for small to medium installation applications where extended low frequency range at high level is required without the use of additional subwoofers.

## ACCESSORIES

CUD20V	Vertical U-bracket for D20	24481	Wall mount
CUD20H	Horizontal U-bracket for D20	DSF	Stand fitting
DFA	Flying adapter	M6	Ring

## CoRAY4i

## CoRAY4i



## CoRAY4i

2-way line source column system

- 2-way ultra compact line source column system
  - High power handling of 700 W
  - Dual 4" neodymium planar wave drivers
  - Four 5" ultra low distortion cone speakers
  - Asymmetrical vertical coverage of 12° (1° up, 11° down)
  - Variable horizontal dispersion of 120° or 60° or asymmetrical 90°
  - Optimized for permanent installations
- System components: Coda Audio System Amplifier and/or Controller, G15-SUB, G18-SUB, SC4, CoRAY4Li

**Description:**

The CoRAY4i is an ultra compact two-way line array column, designed for small to mid-sized venues with difficult acoustic environments where compact size, high fidelity sound and outstanding intelligibility is required. The cabinet contains four 5" ultra low distortion cone speakers and two 4" HF neodymium planar wave drivers.

**Versatility:**

It is possible to change the horizontal coverage between 120°, 60° or asymmetrical 90° (60°+30°) or (30°+60°) which allows precise audience coverage, reduced reflections resulting in better intelligibility.

Two CoRAY4i's can be aligned, top to top as CoRAY4 Twin, to create a consistent symmetrical vertical coverage of 24° without interferences between the cabinets while the horizontal coverage can be modified from 120° to 60° or 120° for short throw and 60° for long throw sending more energy to the far field.

In this configuration the system's acoustical output will increase by 6 dB and narrow vertical control at low frequency for extending the long throw capabilities of the system.

**System solutions:**

**IMPORTANT:** The CoRAY4i is NOT designed to work without dedicated system controller and therefore should be used only with proper Coda Audio controllers. The controller will equalize the system and will ensure limiter protection. Digital signal processing is available in Coda Audio System Amplifiers and standalone Coda Audio Digital Controllers. Presets for CoRAY4 are available.

**Options:**

Standard RAL colours and weather protection options are available on request.

Applications include Houses of worship, small theatres, convention centres, conference rooms, political events, airports, museums, shopping malls, corporate events, delay line for AIRLINE LA8 or LA4 line arrays.



## CoRAY4Li



## CoRAY4Li

Low frequency extension for CoRAY4i



- Ultra compact low frequency extension for CoRAY4i
- High Power handling of 700W
- Four 5" ultra low distortion cone speakers
- Optimized for permanent installations

The CoRAY4Li is an ultra compact low frequency extension for the CoRAY4i. The cabinet contains four 5" ultra low distortion cone speakers and features M6 threaded points on all surfaces, optimized for permanent installations.

TECHNICAL SPECIFICATIONS CoRAY4i	
Type:	2-way passive column loudspeaker
Frequency response:	80 Hz - 20 kHz (-3 dB)
Power handling AES:	700 W
Peak power:	2800 W
Sensitivity:	97 dB
Max. SPL peak:	131 dB
Dispersion horizontal:	Symmetrical 120° or 60° or asymmetrical 90° (60° + 30°)
Vertical:	12° (1° up, 11° down)
Components:	
Low frequency:	4x 5" Woofer, 1.5" (38mm) voice coil, 170 W (AES)
High frequency:	2x 4" Neodymium planar wave drivers, 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	1300 Hz passive
Nominal impedance:	4 Ω
Input connectors:	2x Neutrik™ NL4MP
Suspension:	M6 threaded points
Enclosure material:	Birch plywood
Finish:	Textured black paint
Dimensions (W x H x D):	152 x 755 x 214 mm
Net weight:	15.7 kg
Weatherproof/colour version:	Optional

\*Subject to technical alteration without prior notice

## ACCESSORIES

CF4i	Flying frame
CA4i	Twin adaptor for 2x CoRAY4i
C4VC	U-bracket
C4WM	Wall mount Bracket
24481	Wall mount for CoRAY4i Twin

TECHNICAL SPECIFICATIONS CoRAY4Li	
Type:	Low frequency extension for CoRAY4i
Frequency response:	80 Hz - 1300 Hz (-3 dB)
Power handling AES:	700 W
Peak power:	2800 W
Sensitivity:	97 dB
Max. SPL peak:	131 dB
Components:	4x 5" woofer, 1.5" (38 mm) voice coil, 170 W (AES)
Nominal impedance:	4 Ω
Input connectors:	2x Neutrik™ NL4MP
Suspension:	M6 threaded points for use of optional U-bracket
Enclosure material:	Birch plywood
Finish:	Textured black paint
Dimensions (W x H x D):	152 x 758 x 214 mm
Net weight:	12.7 kg
Weatherproof version:	Optional

## HOPS8i



### HOPS8i

Versatile dual 8" coaxial system, 450W, 100° conical M6 threaded points

- 2-way coherent point source
- Double 8" coaxial system
- Compact and versatile
- High power handling of 450 W (AES)
- Symmetrical coverage of 100°
- Superior sound quality
- Optimized for near-field applications
- High output before feedback
- System integration with LINUS amplifiers

- System components: LINUS10-C, LINUS5-C, G15-Sub, G18-Sub, U4

#### Description:

The HOPS8 is a passive 2-way system with an exceptionally high output-to-size ratio and wide coverage of 100° x 100°.

The cabinet contains an 8"/1.75" coaxial driver and an additional 8" low frequency driver.

The advanced design aligns the acoustical centres of the transducers to produce a single point source. This unique loudspeaker technology provides a coherent wave front without hot spots. Precise directivity ensures uniform coverage with perfect time alignment between the components.

#### State of the art drivers

At the heart of the HOPS8 is the new developed 8"/1.75" coaxial driver. The 8" cone covers the 60 - 1.500 Hz range with high efficiency and smooth, linear response. Two aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. This design dramatically reduces the distortion at longer excursion levels, and improves the overall

sound quality providing deep and punchy bass. The high frequency driver contains an ultra light 1.75" annular diaphragm providing exceptional transient response with very high efficiency from 1 kHz to 20 kHz. This new transducer was engineered to radiate a single source, coherent 100° wave front for superior dispersion control and high fidelity sound.

#### Controlled dispersion at high SPL

In the low range both 8" drivers are overlapped increasing the maximum SPL of the system and providing an improved directivity control.

#### System solution

The HOPS8 is designed to work with dedicated Coda Audio LINUS5-C or LINUS10-C amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostics. The integrated solution ensures optimal performance and protection.

## HOPS8i

**Applications**

HOPS8i for permanent installations is optimized for near field applications in small to medium venues where compact size, high output, superior dispersion control and high fidelity sound are required.

Ideal choice for small nightclubs, A/V rooms, front fill, under balconies and more.

**Options**

Additional colours and weather protection options are available on request.

**ACCESSORIES**

H8V	Vertical U-Bracket for HOPS8i
H8H	Horizontal U-Bracket for HOPS8i

## TECHNICAL SPECIFICATIONS HOPS8i

Type	Ultra Compact 2-way full range versatile system
Application	Superior quality point source for near-field applications
Frequency response	60 Hz - 20 kHz (-6 dB)
Power handling AES	450 W
Peak power	1800 W
Sensitivity	98 dB*
Max. SPL peak	131 dB (with LINUS1-0C)
Dispersion	100° conical
Components	
Low frequency	8" woofer, 2" (51 mm) VC, 225 W (AES)
Mid/High frequency	8"/1.75" coaxial driver, Low: 2" (51 mm), High: 1.75" (44.4 mm) voice coil, 225 W + 80 W (AES)
Crossover	1.5 kHz passive
Nominal impedance	8 ?
Amplification	LINUS5-C** or LINUS10-C** (max. 3 enclosures 2,66 Ohms pro channel)
Input connectors	2x Neutrik™ NL4MP
Suspension	M6 threaded points
Enclosure material	Birch plywood
Finish	Polyurea black coating (water resistant)
Dimensions (WxHxD)	230 x 540 x 270 mm
Net weight	12 kg
Weatherproof version	Optional

\* Half-space loading

\*\* In low SPL applications up to 4x HOPS8 per channel can be connected

## KTV SOUNDBAR



## KTV SOUNDBAR

All-in-one 2.1 sound system

- Large stereo image from a single, shallow unit
- True full range performance (35 Hz – 20 kHz)
- 3-way coherent point source technology
- 2x 8"/1.75" coaxial driver and 12" extremely high excursion cone driver
- Wide coverage of 100°
- Superior sound quality
- Optimized for near-field applications
- High output before feedback
- Integrated M6 flying points

### ■ System components: LINUS System Amplifier

#### Description

KTV SOUNDBAR is a complete, all-in-one 2.1 sound system designed without compromise to radiate a wide stereo image from a discreet, shallow box. Unlike sound systems with multiple speakers, the KTV SOUNDBAR is a single unit, nearly 53 inches wide that can easily be mounted above or below the TV screen.

#### True full range

The cabinet contains an extremely long excursion 12" ultra low distortion cone driver covering the range 35 Hz – 200 Hz. The 3" voice coil is 32 mm high, ensuring linear excursion of 22 mm / pp at consistent magnetic force. Three aluminum shorting rings reduce inter-modulation distortion; minimizing induction variation whilst reducing thermal

compression. This design reduces dramatically the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality providing deep and punchy bass.

#### True coherency

Double 8"/1.75" coaxial drivers are employed for the left and right channels. The 8" cone midranges cover the 200 - 1800 Hz range with high efficiency and smooth, linear response. The high frequency drivers contain an ultra light 1.75" annular diaphragm providing exceptional transient response with very high efficiency from 1.6 kHz to 20 kHz. This high performance transducer was engineered to radiate a single source, coherent 100° wave front for superior dispersion control and high fidelity sound.

## TECHNICAL SPECIFICATIONS KTV SOUNDBAR

Type	Stereo 3-way integrated sound system
Application	Single unit 2.1 KTV Sound System
Frequency response	with extended low range 35 Hz - 20 kHz (-4 dB)
Power handling AES	1000 W low + 2x 200 W left / right
Peak Power	4000 W low + 2x 800 W left / right
Max. SPL peak	133 dB
Dispersion	100° conical
Components	
Low frequency	12" woofer, 1000 W (AES)
Mid/High frequency	2x 8"/1.75" coaxial drivers, Mid: 2" (51 mm),
High	1.75" (44.4 mm) voice coil, 200 W + 80 W (AES)
Crossover	200 Hz active, 1.7 kHz passive
Input connectors	Neutrik™ NL8MPPR-BAG
Nominal impedance	
Low	4 Ω (1+/-)
Mid / high - left	4 Ω (2+/-)
Mid / high - right	4 Ω (3+/-)
Suspension	M6 threaded points
Enclosure Material	Birch plywood
Finish	Polyurea black coating (water resistant)
Dimensions (WxHxD)	1329 x 342 x 200 mm
Net weight	30 kg

## ACCESSORIES

KTV-WM Wall mount bracket set for KTV SOUNDBAR

KTV-WM2 Tilttable wall mount for KTV SOUNDBAR, tilt angle 0° - 45°g



## OMNIO 5



With true coherent 360° omnidirectional characteristics, Coda Audio's new OMNIO5 has been designed and optimised to bring superior quality sound to specialist outdoor applications.

The advanced waveguide design aligns the acoustic centres of the transducers to produce a true 360° uniform coverage, with perfect time alignment between the components.

Constructed from solid aluminum with special two part coating finishes, available in any RAL colour, the OMNIO5 is designed to allow final configuration formats to be customized to specific application requirements; the enclosure body height can be made to suit varying height/mounting needs, with a nominal impedance of 16 Ohm and optional 100 V /70 V operation available, the OMNIO5 has a power handling of 150 W (AES) and a frequency response from 80 Hz to 20 kHz.

## OMNIO5

- Ultra compact 2-way Omni-directional system
- 5" ultra low distortion driver with triple demodulation rings
- Coaxially mounted 1" annular diaphragm superb quality HF driver
- Single point source providing true 360° horizontal dispersion
- Superb quality sound
- Solid aluminum enclosure (all RAL colors)
- Optimized for outdoor use

## OMNIO5

Omni directional  
2-way installation system

- System components: Coda Audio DSP-amplifier

**Description**

The Coda OMNIO5 is a passive Omni directional 2-way 5"/1" coaxial loudspeaker system designed without compromise to provide coherent 360° wave front without hot spots in an ultra compact package. The advanced wave-guide design aligns the acoustical centers of the transducers to produce a true 360° uniform coverage with perfect time alignment between the components.

**Advanced driver technology**

At the heart of the OMNIO5 is the newly developed 5"/1" coaxial driver. The 5" cone driver covers the 80 - 1300 Hz range with high efficiency and smooth, linear response. Three aluminum shorting rings reduce inter-modulation distortion; minimize induction variation while reducing thermal compression. The coaxially mounted high frequency driver contains an ultra light 1" annular diaphragm providing exceptional transient response with very high efficiency from 1 kHz to 20 kHz. This new transducer was engineered to radiate a single source, coherent wave front for superior dispersion control and high fidelity sound.

**System solution**

The OMNIO5 is designed to work exclusively with dedicated Coda Audio amplifiers (C3 / C5) amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection. The aluminum enclosure is optimized for outdoor use and is painted using a two-part, paint/sealant process, first applying the colour application to the cabinet, followed by a clear, protective second coat sealant

**Options**

All RAL colours on request. The overall height of the cabinet can be modified to fit specific mounting requirements. An optional 100 V / 70 V version on request.

**Applications**

OMNIO5 can be used in a wide range of installation applications such as:

Theme parks, beaches, hotels, airports, retail outlets, sport events, museums, congress centers, bars, restaurants, swimming pools, private property etc.

## TECHNICAL SPECIFICATIONS OMNIO5

Type	2-way omni directional system
Application	Superior quality 360° horizontal dispersion
Frequency response	80 Hz - 20 kHz (-3 dB)
Power handling (AES)	150 W
Program power	300 W
Peak power	600 W
Sensitivity	92 dB*
Max. SPL peak	118 dB**
Dispersion	H360°, V120° (60° in half space)
Components	
Low frequency	5" woofer, 1.5" (38 mm) voice coil, 150 W (AES)
High frequency	1" coaxially mounted driver, 1" (25.4 mm) voice coil, 30 W (AES)
Crossover point	1140 Hz passive
Nominal impedance	16 Ohm
Cabinets per channel	6***
70V version (optional)	Switchable: 150W / 75W / 37.5W / 19W
Input connectors	3 m sealed cable
Enclosure material	Solid aluminum
Finish	Two part paint base/clear, RAL7021 (all RAL colours available on request)
Dimensions	Diameter: 160 mm, 380 mm high
Net weight	8 kg

\* Half space loading

\*\* Measured with pink noise 6 dB crest factor

\*\*\* In low SPL applications up to 8x OMNIO5 per channel can be connected

## U4



## U4

High output subwoofer

- 2x 18" ultra low distortion drivers
- Extended frequency response down to 30 Hz
- System integration with Coda LINUS amplifiers
- Maximum SPL 144 dB (peak)
- Low power compression

- System components: LINUS System Amplifier, D-Series, G-Series, CUE-Series, TiRAY, TiLOW

**Description**

The U4 is a double 18" high output subwoofer that provides powerful and extended low frequency response with immense headroom. Low port compression and optimized enclosure design give a tight, accurate bass response that is ideally suited for dance clubs, mobile and installation applications.

**State-of-the-art drivers**

The U4 is equipped with twin extremely long excursion 18" ultra low distortion woofers. The strong motor delivers extreme high magnetic flux for increased efficiency. The 4" voice coil is 32 mm high, ensuring ultra linear excursion of 20 mm / pp at consistent magnetic force.

The state-of-the-art carbon-fiber cone ensures maximum stiffness and low moving mass. Three aluminum shorting rings reduce intermodulation distortion, minimizing induction variation whilst reducing thermal compression. This

design dramatically reduces the distortion of a typical subwoofer at longer excursion levels, and improves the overall sound quality and performance characteristics of the cabinet.

**System Solution**

The U4 is designed to work exclusively with Coda Audio LINUS amplifiers as an integrated solution for DSP control, amplification, network remote control and diagnostic. The integrated solution ensures optimal performance and protection.

**Applications**

The U4 is perfectly suited as a sub-extension for G-Series, D-Series, CUE-Series and TiRAY, extending the system performance down to 30 Hz. Typical applications are dance clubs, theaters, houses of worship and live sound venues.

## TECHNICAL SPECIFICATIONS U4

Type:	High output 2 x 18" subwoofer
Application:	Medium / large venues subwoofer
Frequency response (-6 dB):	30 Hz - 150 Hz
Power handling (AES/peak):	2500 W / 10000 W
Sensitivity 1 W / 1 m:*	104 dB
Maximum output peak:**	144 dB
Components:	2x 18" ultra low distortion woofers, 4" (101.6 mm) voice coil, 1250 W (AES) each
Nominal impedance:	4 Ohm, +1 / -1
Input connectors:	2x Neutrik™ NL4MP
Suspension:	Optional
Enclosure material:	Baltic birch
Finish:	Polyurea coating (water resistant)
Dimensions (W x D x H):	1108 x 497 x 750 mm
Net weight:	77 kg

\* Half-space loading

\*\* Measured with pink noise 6 dB crest factor



## PW-Series



### PW-Series self-powered and passive subwoofers

- Compact and powerful
- Neodymium drivers
- Ultra low distortion
- Improved transient response
- Low power compression
- Optimized size/weight to output ratio
- Extreme reliable

#### Small venues applications

PW100-Series subwoofers: PW112, PW115, PW118. Designed for small installations and portable use the PW100-Series subwoofers combine very well with the D5 and D8 full range systems.

PW100A-Series self-powered subwoofers: PW112A, PW115A and PW118A. Designed for small installations and portable use the PW100A-Series self-powered subwoofers are able to supply an additional passive subwoofer of the PW100-Series, increasing the maximal SPL by up to 6 dB. Very well suited as sub extension to the AP-Series self powered cabinets (please check [www.codaaudio.com](http://www.codaaudio.com) for more information), too.



## PW112A / PW112



## PW112A / PW112

## High output subwoofers

- Self-powered high output subwoofer
  - Coda Audio 12" neodymium ultra low distortion woofer
  - 1000 W RMS (2000 W burst) at 4 Ohm Class D amplifier
  - Capable of driving an additional passive subwoofer (PW112)
  - Low power compression, superb quality sound
  - Optical Limiter for state-of-the-art protection
  - Integrated 24 dB high pass crossover output for mid / high bands
- System components PW112: Coda Audio System Amplifier, Coda Audio System Controller, D5-Tube, D5-Ceiling, D5-Cube, PW112A  
 System components PW112A: Coda Audio System Controller, PW112, AP8  
 (please check [www.codaaudio.com](http://www.codaaudio.com) for more information on the AP-Series)

The PW112A is a compact self-powered high output subwoofer incorporating a 1000 W high efficiency class D amplifier. The integrated control electronics include an optical limiter, 24 dB phase-aligned crossovers and EQ to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80 Hz or 125 Hz) enables easy integration of top cabinets without additional external processing.

The high power 12" neodymium woofer provides powerful and extended low frequency response with immense head-room. An integrated speaker output enables the use of an additional passive subwoofer (PW112), providing an economical solution to increase the system maximal level to 135 dB / peak. The use of high efficiency class D amplifier together with the newly developed neodymium ultra low distortion woofer ensures small size, reduced weight and superb sonic performance.

Applications include small touring PA-systems or permanent installations.

## TECHNICAL SPECIFICATIONS PW112

Power handling RMS:	600 W
Program power:	1200 W
Peak power:	2400 W
Sensitivity:	96 dB, 1 W / 1 m
Nominal impedance:	8 Ohm
Input connectors:	2 x Neutrik™ NL4MP
Dimensions:	450 x 394 x 530 mm
Net weight:	23 kg
Same as the PW112A without the amplifier.	

## TECHNICAL SPECIFICATIONS PW112A

Type:	Self-powered subwoofer
Application:	Small / medium venues subwoofer
Frequency response:	35 Hz to 80 Hz or 125 Hz (switchable)
Maximum SPL peak:	129 dB single cabinet, 135 dB (PW112A + PW112 as slave)
Amplifier:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD+N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Components:	12" neodymium ultra low distortion woofer, 8 Ohm, 3" (77 mm) voice coil, 600 W (AES)
Crossover:	30 Hz high pass 18 dB, 80 Hz or 150 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	1 x female XLR / TRS Jack; 1 x male XLR loop; 1 x male XLR top -24 dB high pass output @ 80 Hz or 125 Hz (Pin 2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker output:	Neutrik™ NL4MP (8 Ohm only)
AC connector:	Neutrik™ PowerCon
AC power requirements:	2000 W peak, 1000 W continuous (max)
LED indicators:	Power on, Signal, 0-dB, LF limit, Overload
Gain:	-12 dB, 0 dB
Controls:	2 x high / low pass filters
Suspension:	Optional
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	450 x 394 x 530 mm
Net weight:	31 kg

## PW115A / PW115



## PW115A / PW115

### High output subwoofer

- Self-powered high output subwoofer
  - Coda Audio 15" neodymium ultra low distortion woofer
  - 1000 W RMS (2000 W burst) at 4 Ohm Class D amplifier
  - Capable of driving an additional passive woofer (PW115)
  - Low power compression, superb sound quality
  - Optical Limiter for state-of-the-art protection
  - Improved transient response
  - Integrated 24 dB high pass crossover output for mid / high bands
- System components PW115: Coda Audio System Amplifier, Coda Audio System Controller, D8, PW115A  
 System components PW115A: Coda Audio System Controller, PW115, AP12, AP15  
 (please check [www.codaaudio.com](http://www.codaaudio.com) for more information on the AP-Series)

The PW115A is a compact self-powered high output subwoofer incorporating a 1000 W high efficiency class D am-

plifier. The integrated control electronics include an optical limiter, 24 dB phase-aligned crossovers and EQ to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80 Hz or 125 Hz) enables easy integration of top cabinets without additional external processing.

The high power 15" neodymium woofer provides powerful and extended low frequency response with immense headroom. An integrated speaker output enables the use of an additional passive subwoofer (PW115) providing an economical solution to increase the system maximal level to 137 dB / peak.

The use of high efficiency class D amplifier together with the newly developed neodymium ultra low distortion woofer ensures small size, reduced weight and superb sonic performance.

Applications include small touring PA-systems or permanent installations.

TECHNICAL SPECIFICATIONS PW115A	
Type:	Self-powered subwoofer
Application:	Small / medium venues subwoofer
Frequency response:	38 Hz to 80 Hz or 125 Hz (switchable)
Maximum SPL peak:	131 dB single cabinet or 137 dB (PW115A + PW115 as slave)
Amplifier:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD + N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Components:	15" neodymium ultra low distortion woofer, 8 Ohm, 3" (77 mm) voice coil, 600 W (AES)
Crossover:	30 Hz high pass 18 dB, 80 Hz or 150 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	1 x female XLR / TRS Jack; 1 x male XLR loop; 1 x male XLR top -24 dB high pass output @ 80 Hz or 125 Hz (Pin2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker output:	Neutrik™ NL4MP (8 Ohm only)
AC connector:	Neutrik™ PowerCon
AC power requirements:	2000 W peak, 1000 W continuous (max)
LED indicators:	Power on, Signal, 0-dB, LF limit, Overload
Gain:	-12 dB, 0 dB
Controls:	2 x high / low pass filters
Suspension:	Optional
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	450 x 484 x 600 mm
Net weight:	34 kg

TECHNICAL SPECIFICATIONS PW115	
Power handling RMS	600 W
Program power:	1200 W
Peak power:	2400 W
Sensitivity:	98 dB, 1 W / 1 m
Nominal impedance:	8 Ohm
Input connectors:	2 x Neutrik™ NL4MP
Dimensions:	450 x 484 x 600 mm
Net weight:	24 kg
Same as the PW115A without the amplifier.	

## PW118A / PW118



## PW118A / PW118

## High output subwoofers

- Self-powered high output subwoofer
  - Coda Audio 18" high excursion woofer
  - 1000 W RMS (2000 W burst) at 4 Ohm Class D amplifier
  - Capable of driving an additional passive woofer (PW118)
  - Low power compression, superb sound quality
  - Optical Limiter for state-of-the-art protection
  - Integrated 24 dB high pass crossover output for mid / high bands
- System components PW118: Coda Audio System Amplifier, Coda Audio System Controller, D8, PW118A  
 System components PW118A: Coda Audio System Controller, PW118, AP12, AP15, AP20, AP24, AP25 (please check [www.codaaudio.com](http://www.codaaudio.com) for more information on the AP-Series)

The PW118A is a compact self-powered high output subwoofer incorporating a 1000 W high efficiency class D amplifier. The integrated control electronics include an optical limiter, 24 dB phase-aligned crossovers and EQ to provide a perfect match between amplifier and loudspeaker for optimum acoustic output and reliability. The incorporated high pass crossover output (80 Hz or 125 Hz) enables easy integration of top cabinets without additional external processing.

The high power long excursion 18" woofer provides powerful and extended low frequency response with immense headroom. An integrated speaker output enables the use of an additional passive subwoofer providing an economical solution to increase the system maximal level to 137 dB / peak. The use of high efficiency class D amplifier ensures small size, reduced weight and superb sonic performance.

Applications include small touring PA-systems or permanent installations.

TECHNICAL SPECIFICATIONS PW118	
Power handling RMS:	1000 W
Program power:	2000 W
Peak power:	4000 W
Sensitivity:	98 dB, 1 W / 1 m
Nominal impedance:	8 Ohm
Input connectors:	2 x Neutrik™ NL4MP
Dimensions:	580 x 624 x 690 mm
Net weight:	39 kg
Same as the PW118A without the amplifier.	

TECHNICAL SPECIFICATIONS PW118A	
Type:	Self-powered subwoofer
Application:	Medium / large venues subwoofer
Frequency response:	38 Hz to 80 Hz or 125 Hz (switchable)
Maximum SPL peak:	131 dB single cabinet, 137 dB (PW118A + PW118 as slave)
Amplifier:	Class D
Max power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD + N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Components:	18" neodymium high excursion woofer, 8 Ohm, 4" (101.6 mm) voice coil, 1100 W (AES)
Crossover:	30 Hz high pass 18 dB, 80 Hz or 125 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	1 x female XLR / TRS Jack; 1 x male XLR loop; 1 x male XLR top -24 dB high pass output @ 80 Hz or 125 Hz (Pin 2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker output:	Neutrik™ NL4MP (8 Ohm only)
AC connector:	Neutrik™ PowerCon
AC power requirements:	2000 W peak, 1000 W continuous (max)
LED indicators:	Power on, Signal, 0-dB, LF limit, Overload
Gain:	-12 dB, 0 dB
Controls:	2 x high / low pass filters
Suspension:	Optional
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint+
Dimensions:	580 x 624 x 690 mm
Net weight:	46 kg

## PW12A



PW12A

Self-powered subwoofer with satellite amps

- Active tri-amp subwoofer with amplifier outlets for stereo tops
- Coda Audio 12" neodymium ultra low distortion woofer
- 1000 W plus 2 x 500 W class D amplifiers
- Low power compression, superb sound quality

## PW12



PW12

Passive subwoofer

- Optical Limiters for state-of-the-art protection
- Optimized to power the Coda G-, K- and D-Series passive cabinets
- Capable to drive an additional passive subwoofer PW12

■ System components PW12A: G308, D5-Tube, K289i, D5-Cube, PW12

PW12A is an active tri-amp system subwoofer with amplifier outlets for passive tops containing 2000 W amplification and processing for a complete stereo sub / satellite system.

The electronics: integrates one 1000 W for the low frequency and 2 x 500 W high efficiency class D amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters and EQ to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability. The use of high efficiency class D amplifier for the subwoofer and for the tops ensures small size, reduced weight and superb sonic performance. The loudspeaker: 12" high power, long excursion neodymium ultra low distortion woofer providing powerful and extended low frequency response down to 30 Hz.

System integration: Optimized to work together with the G-, K- and D-Series full range passive cabinets, the PW12A can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo sub / satellite system. An integrated speaker output enables an additional passive subwoofer (PW12) to be used increasing

the system low frequency output by 6 dB without the need for additional processing and amplifier racks. Applications: Used in a wide variety of configurations they provide compact and economical plug and play solution for bands, small PA-systems, mobile DJ 's or permanent installations.

TECHNICAL SPECIFICATIONS PW12

Power handling RMS:	600 W
Program power:	1200 W
Peak power:	4800 W
Sensitivity:	96 dB, 1 W / 1 m
Nominal impedance:	8 Ohm
Input connectors:	2 x Neutrik™ NL4MP
Dimensions:	398 x 454 x 465 mm
Net weight:	21 kg
Same as the PW12A without the amplifier.	

TECHNICAL SPECIFICATIONS PW12A

Type:	Self-powered subwoofer cabinet with satellite amps
Application:	Small / medium venues subwoofer
Frequency response:	30 Hz to 110 Hz
Maximum SPL peak:	127 dB single cabinet, 133 dB (PW12A + PW12 as slave)
Amplifier Sub:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD+N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Amplifiers Top:	2x 500 W Class D, 4 Ohm continuous, 2x 600 W burs
Components:	12" neodymium high excursion woofer 8 Ohm, 3" (77 mm) voice coil, 600 W (AES)
Crossover:	20 Hz high pass 18 dB, 100 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	L + R female XLR / TRS Jack; L + R male XLR loop, (Pin2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker outputs:	L, R, Sub, 3x Neutrik™ NL4MP
AC Connector:	Neutrik™ PowerCon
AC power requirements:	2800 W peak, 1400 W continuous (max)
LED indicators:	Power on, Signal, 0-dB, LF Limit, Overload
Gain:	-12 dB, 0 dB
Controls:	Volume: Sub, Top L, Top R
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	398 x 454 x 590 mm
Net weight:	31 kg
* Half-space loading	

## D-Core2



### D-Core2.7

2000 W, containing:

- 1 x Coda PW12A
  - 2 x Coda G308
- (for more information please see page 25)

D-Core2.7 is an ultra compact active sub / sat system for solo-entertainers, duos, unplugged, mobile DJ 's and corporate AV events.



### D-Core2.8

2000 W, containing:

- 1 x Coda PW12A
  - 1 x Coda PW12
  - 2 x Coda K289i
- (for more information please see [www.codaaudio.com](http://www.codaaudio.com))

D-Core2.8 is an ultra compact active sub / sat system for solo-entertainers, duos, unplugged, mobile DJ 's or corporate AV events.



### D-Core2.9

2000 W, containing:

- 1 x Coda PW12A
  - 4-6 x Coda D5-Cube or Coda D5-Tube
- (for more information please see pages 36 and 34)

D-Core2.9 is a distributed installation system for bistros, restaurants, pubs, shopping centres, multimedia, houses of worship, conferences or corporate AV events.



### D-Core2.10

2000 W, containing:

- 1 x Coda PW12A
  - 1 x Coda PW12
  - 6-8 x Coda D5-Cube or Coda D5-Tube
- (for more information please see pages 36 and 34)

D-Core2.10 is a distributed installation system for bistros, restaurants, pubs, shopping centres, convention centres, multimedia, houses of worship, conferences or corporate AV events.



## PW15A-Pro



- Active tri-amp subwoofer including amplifier outlets for stereo tops
- Coda Audio 15" neodymium ultra low distortion woofer
- 1000 W plus 2 x 500 W class D amplifiers

### ■ System components: G308, K289i

PW15A is an active tri-amp system subwoofer with amplifier outlets for passive tops containing 2000 W amplification and processing for a complete stereo sub / satellite system.

The electronics: integrates one 1000 W for the low frequency and 2 x 500 W high efficiency class D amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters and EQ to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifier for the subwoofer and for the tops ensures small size, reduced weight and superb sonic performance.

The loudspeaker: 15" high power, long excursion neodymium ultra low distortion woofer providing powerful and extended low frequency response down to 38 Hz. The loudspeaker is 4 Ohm, consuming the whole power of 1000 W from the class D amplifier and therefore cannot drive an additional passive subwoofer. The cabinet incorporates extremely long excursion and a state-of-the-art 15" neodymium driver found only in top of the range concert systems. Optimal output v / s volume.

System integration: Optimized to work together with the G- and K-Series full range passive cabinets, the PW15APro can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo sub / satellite system without the need for additional processing and amplifier racks. Optimal output v / s volume.

## PW15A-Pro

Active tri-amp subwoofer including amplifier outlets for stereo tops

- Low power compression, superb sound quality
- Optical Limiters for state-of-the-art protection
- Optimized to power the Coda G- and K-Series passive cabinets

Applications: Used in a wide variety of configurations they provide compact and economical plug and play solution for bands, small PA-systems, mobile DJ's or permanent installations.

### TECHNICAL SPECIFICATIONS PW15A-Pro

Type:	Active tri-amp subwoofer with amplifier outlets for tops
Application:	Small / medium venues
Frequency response:	38 Hz to 100 Hz
Maximum SPL peak:	132 dB
Amplifier Sub:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD + N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Amplifiers Top:	2 x 500 W Class D, 4 Ohm continuous, 2 x 600 W burst
THD + N:	< 0.001 %
Components:	15" neodymium high excursion woofer, 4 Ohm, 4" (101 mm) voice coil, 1200 W (AES)
Crossover:	28 Hz high pass 18 dB, 100 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	L + R female XLR / TRS Jacks; L + R male XLR loop (Pin 2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker outputs:	L, R, Sub, 3x Neutrik™ NL4MP
AC connector:	Neutrik™ PowerCon
AC power requirements:	2800 W peak, 1400 W continuous (max)
LED Indicators:	Power on, Signal, 0-dB, LF Limit, Overload
Controls:	Volume: Sub, Top L, Top R,
Gain:	-12 dB, 0 dB
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	510 x 454 x 650 mm
Net weight:	36 kg

## D-Core5



## D-Core5.5

2000 W, containing:

- 1 x Coda PW15A-Pro
  - 2 x Coda G308
- (for more information please see page 25)

D-Core5.5 is a compact sub / sat system for bands, mobile DJ's as well as general PA applications.

## D-Core5.6

2000 W, containing:

- 1 x Coda PW15A-Pro
  - 2 x Coda K289i
- (for more information please see [www.codaaudio.com](http://www.codaaudio.com))

D-Core5.6 is a compact sub / sat system for bands, mobile DJ's as well as general PA applications.



## PW18A-Pro



### PW18A-Pro

Active tri-amp subwoofer including amplifier outlets for stereo tops

- Active tri-amp subwoofer including amplifier outlets for stereo tops
  - Coda Audio 18" Neodymium ultra low distortion woofer
  - 1000 W plus 2 x 500 W class D amplifiers
  - Low power compression, superb sound quality
  - Optical Limiters for state-of-the-art protection
  - Optimized to power the Coda G-Series passive cabinets
- System components: G308, G512-96

PW18A-Pro is an active tri-amp subwoofer with amplifier outlets for passive tops containing 2000 W amplification and processing for a complete stereo Sub / Sat system.

The electronic: integrates one 1000 W high efficiency class D amplifier for the low frequency and 2 x 500 W class D amplifiers for the top cabinets. The advanced analogue processor includes optical limiters for each channel, 24 dB phase-aligned crossovers, subsonic filters, EQ's etc to provide a perfect match between amplifiers and loudspeakers for optimum acoustic output and reliability.

The use of high efficiency class D amplifiers for the subwoofer and for the tops ensures small size, reduced weight and superb sonic performance.

The loudspeaker components: high power high excursion neodymium ultra low distortion woofers provide powerful and extended low frequency response. The incorporated 18" loudspeaker is 4 Ohm, consuming the whole power of 1000 W from the class D amplifier and therefore cannot drive additional passive subwoofers. The cabinet incorporates extremely high excursion, state of the art 18" neodymium driver found only in top of the range concert systems. Optimal output v / s volume.

System integration: Optimized to work together with the G-series full range passive cabinets, the PW18APro active subwoofer can be connected to diverse mid-high loudspeakers for different applications to build a complete stereo Sub/Sat system while replacing multiple 19" audio gear and eliminate the need of external racks.

Applications: Used in a wide variety of configurations they provide compact and economical plug and play solution for bands, small touring PA-systems, mobile DJ's or permanent installations.

#### TECHNICAL SPECIFICATIONS PW18A-Pro

Type:	Self-powered subwoofer cabinets and satellite amps
Application:	Small / medium venues subwoofer
Frequency response:	30 Hz to 80 Hz
Maximum SPL peak:	131 dB
Amplifier Sub:	Class D
Max. power output (RMS):	1000 W / 4 Ohm
Peak output current:	50 A
THD + N:	0.04% @ 1000 W, 100 Hz, 4 Ohm
Amplifiers Top:	2 x 500 W Class D, 4 Ohm continuous, 2 x 600 W burst
THD + N:	< 0.001%
Components:	18" high excursion woofer 4 Ohm, 4" (101.6 mm) voice coil, 1200 W (AES)
Crossover:	20 Hz high pass 18 dB, 100 Hz low pass 24 dB, EQ
Input:	Balanced
Connectors:	L + R female XLR / TRS Jack; L + R male XLR loop (Pin 2+; 3-; 1 Gnd)
Impedance:	10 kOhm
Input sensitivity:	0.775 V (RMS)
External speaker outputs:	L, R, Sub, 3x Neutrik™ NL4MP
AC connector:	Neutrik™ PowerCon
AC power requirements:	2800 W peak, 1400 W continuous (max)
LED Indicators:	Power on, Signal, 0-dB, LF Limit, Overload
Gain:	-12 dB, 0 dB
Controls:	Volume: Sub, Top L, Top R
Enclosure material:	18 mm Baltic birch
Finish:	Textured black paint
Dimensions:	580 x 624 x 690 mm
Net weight:	51 kg

**D-Core8****D-Core8.6**

2000 W, containing:

- 1 x Coda PW18A-Pro
- 2 x Coda G512-96  
(for more information please see page 26)

D-Core8.6 is an active compact sub / sat system for bands, mobile DJ's as well as general PA applications.

**D-Core8.7**

2000 W, containing:

- 1 x Coda PW18A-Pro
- 4 x Coda G308  
(for more information please see page 25)

D-Core8.7 is a distributed four point system for small clubs, theatres, shopping centres or corporate AV events.

# CODA

C O D A A U D I O



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