
INTRODUCING CS-SERIES
THE REBIRTH OF POWER

WELCOME TO CS-SERIES.

CS-Series is the most advanced loudspeaker platform in the world, built to deliver consistent coverage with remarkable performance and musicality in a powered, intelligent package. CS-Series adds to Adamson Systems Engineering's legacy of innovation and performance with a full suite of sub- and ultra-compact loudspeakers, a set of rack-mounted equipment and a redesigned and unified software.

CS-Series loudspeakers feature the same form factors as their S-Series counterparts, and their fully compatible sonic signatures are uniform with S-Series and IS-Series cabinets, ensuring scalable configurations from portable corporate solutions to high-performance touring and venue reinforcement systems.

Four innovative rack-mounted devices are designed to provide you with the necessary tools to get the highest level of performance out of the CS-Series: Gateway, Network Distribution System (NDS), Power Distribution System (PDS), and Bridge.

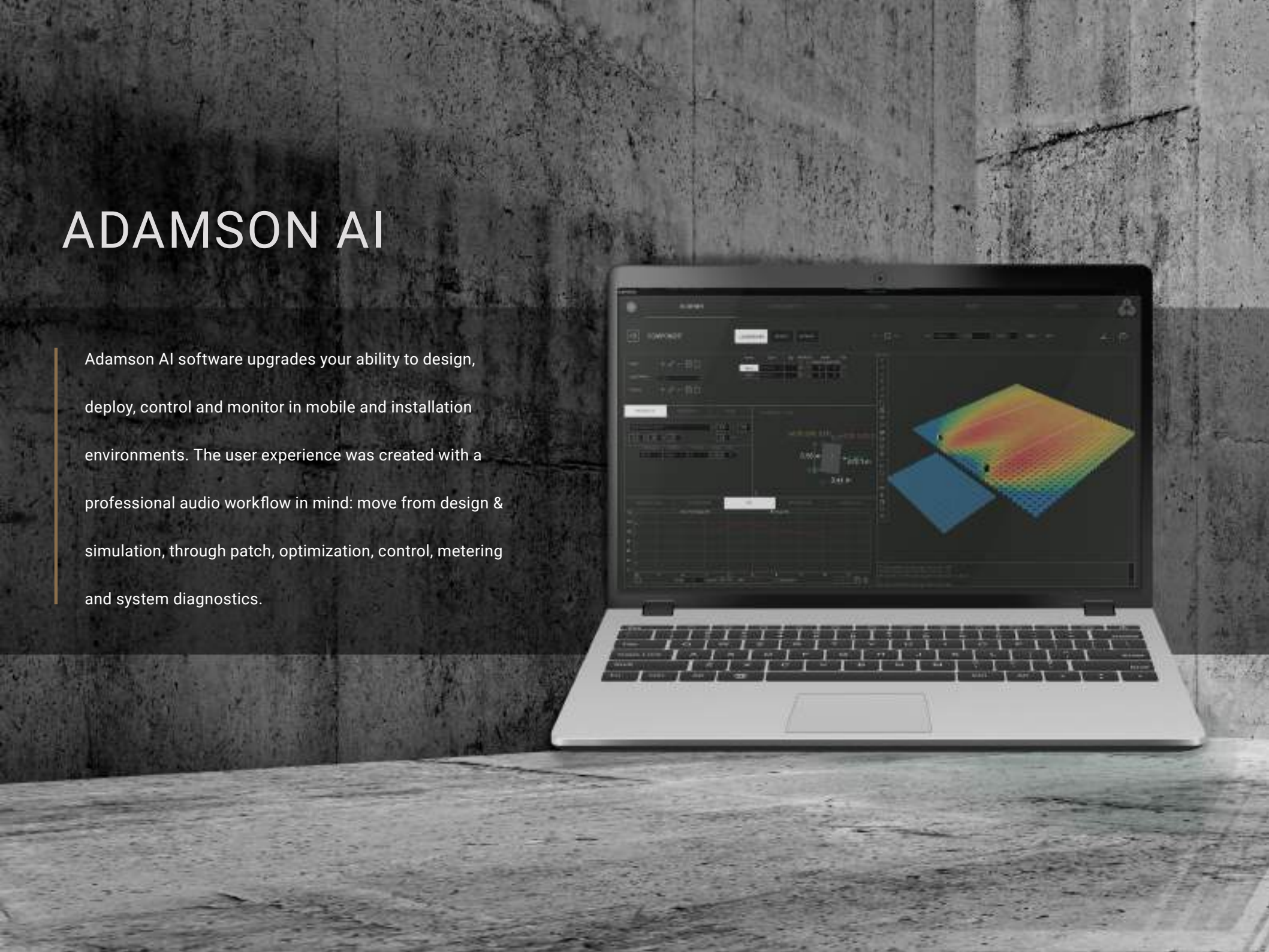
All-new AI software enhances your ability to design, deploy, control, and monitor systems in mobile and installed environments with a simplified workflow and easy-to-navigate user interface that moves logically from design and simulation through to optimization, component I/O, control, metering, and diagnostics.

THIS IS ADAMSON'S LEGENDARY SOUND, EVOLVED FOR THE NETWORKED FUTURE OF PROFESSIONAL AUDIO.

Version release date: March 24, 2022

ADAMSON AI

Adamson AI software upgrades your ability to design, deploy, control and monitor in mobile and installation environments. The user experience was created with a professional audio workflow in mind: move from design & simulation, through patch, optimization, control, metering and system diagnostics.

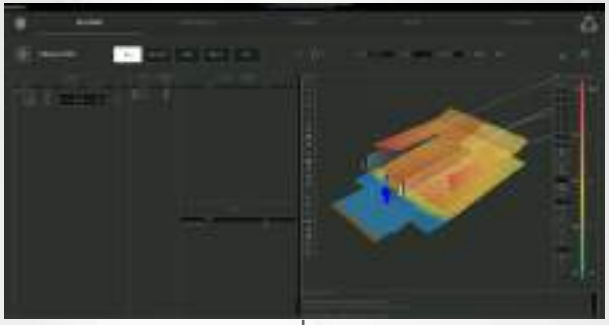


MENU

The MENU page allows for file management including export and import functions as well as software settings. Additionally there is a device browser to monitor, identify and reset all connected components.

COMPONENT I/O

Control input and output mixing and patching of rack devices and loudspeakers, determine control zoning and AVB routing to ensure complete control over your performance environment.



BLUEPRINT

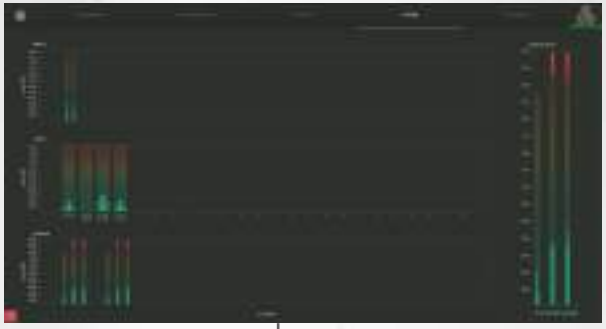
Powerfull and accurate simulation of systems known from Blueprint AV in a renewed design. Adamson's proprietary Optimization algorithm gives you the ability to fine tune line array performance and get incredibly accurate and uniform response across the performance area.

CONTROL

Gain, muting, delay, EQ and grouping are all controlled on a single page, allowing you to build and fine-tune your system. Implement your changes on a per-box level, or use control zones to shape the performance of multiple cabinet groupings.

METERING

Access input and output metering for all online devices on one page, so you can reliably determine headroom for your entire system.



DIAGNOSE

Monitor your system with a comprehensive set of system insight tools including spectral impedance and displacement; inclinometer monitoring; clip and limiter tracking; power consumption; and AVB stream statistics.

PRODUCT SPECIFICATIONS

CS7

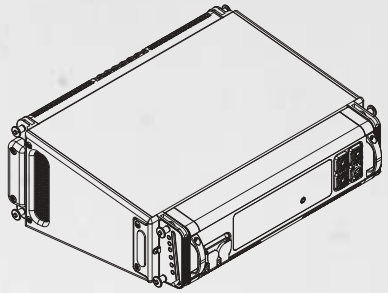
TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	80 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	100° x 12.5°
Maximum Peak SPL**	138 dB
Components LF	2x ND7-LM16 7" Kevlar™ Neodymium Driver
Components HF	Adamson NH3 3" Diaphragm 1.4" Exit Compression Driver
Rigging	Slidelock Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height Front (mm / in)	203 / 8
Height Back (mm / in)	122 / 4.8
Width (mm / in)	527 / 20.75
Depth (mm / in)	411 / 16.2
Weight (kg / lbs)	17.5 / 38.6
Amplification	2 channel Class-D, 2400W total output
Input Voltage	100 - 240 V
Current Draw	0.45 A rms idle, 1.5 A rms long-term, 9 A max peak
Processing	Onboard / Proprietary

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

ULTRA-COMPACT LINE ARRAY CABINET

The CS7 is a two-way, full-range intelligent loudspeaker, intended for use in a wide variety of applications. Utilizing Adamson's proprietary network platform, the CS7 employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the loudspeaker are controlled and monitored through Adamson's proprietary AI software.



The CS7 contains 2x 7-inch Kevlar™ Neodymium transducers and a 3" compression driver. The critically optimized sound chamber produces a slightly curved wavefront with a nominal dispersion pattern of 100°x 12.5° (H x V). The chamber's efficiency allows for increased vertical dispersion without sacrificing high frequency presence in the far field. Adamson's Controlled Summation Technology further eliminates low-mid lobing normally associated with 2-way line source systems.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection.

Please refer to the CS7 User Manual for further information.

CS7p

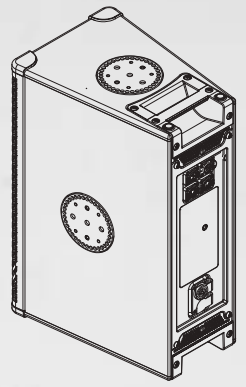
TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	80 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	70° x 40° or 100° x 50° (rotatable 90°)
Maximum Peak SPL*	137 dB
Components LF	2x ND7-LM16 7" Kevlar™ Neodymium Driver
Components HF	Adamson NH3 3" Diaphragm 1.4" Exit Compression Driver
Rigging	Integrated Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height (mm / in)	527 / 20.75
Width Front (mm / in)	249 / 9.8
Width Back (mm / in)	167.6 / 6.6
Depth (mm / in)	355.6 / 14
Weight (kg / lbs)	19 / 41.9
Amplification	2 channel Class-D, 2400W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 1.5 A rms long-term, 9 A max peak
Processing	Onboard / Proprietary

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

ULTRA-COMPACT POINT SOURCE CABINET

The CS7p is a two-way, full-range intelligent loudspeaker, intended for use in a wide variety of applications. Utilizing Adamson's proprietary network platform, the CS7p employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the loudspeaker are controlled and monitored through Adamson's proprietary AI software.



Acoustically, the CS7p contains 2x 7-inch Kevlar™ Neodymium transducers and a 3" compression driver, loaded with either a 70° x 40° or a 100° x 50° (H x V) waveguide, each rotatable by 90 degrees. The dipole arrangement of the cabinet results in a stable polar response, meaning the CS7p can be easily paired to increase horizontal coverage and overall output.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection. The rigging system offers a wide variety of possible solutions.

Please refer to the CS7p User Manual for further information.

CS10

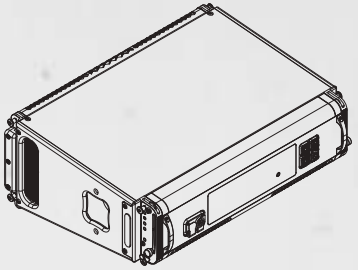
TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	60 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	110° x 10°
Maximum Peak SPL**	141.3 dB
Components LF	2x ND10-LM 10" Kevlar™ Neodymium Driver
Components HF	Adamson NH4 4" Diaphragm 1.5" Exit Compression Driver
Rigging	Slidelock Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height Front (mm / in)	265 / 10.4
Height Back (mm / in)	178 / 7
Width (mm / in)	737 / 29
Depth (mm / in)	526 / 20.7
Weight (kg / lbs)	31 / 68.4
Amplification	2 channel Class-D, 2400W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 1.7 A rms long-term, 10 A max peak
Processing	Onboard / Proprietary

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

SUB-COMPACT LINE ARRAY CABINET

The CS10 is a two-way, full-range intelligent loudspeaker, intended for use in a wide variety of applications. Utilizing Adamson's proprietary network platform, the CS10 employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the loudspeaker are controlled and monitored through Adamson's proprietary AI software.



Acoustically, the CS10 contains 2x 10-inch Kevlar™ Neodymium transducers and a 3" compression driver. The critically optimized sound chamber produces a slightly curved wavefront with a nominal dispersion pattern of 110° x 10° (H x V). The chamber's efficiency allows for increased vertical dispersion without sacrificing high frequency presence in the far field. Patented Controlled Summation Technology further eliminates low-mid lobing normally associated with 2-way line source systems.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection.

Please refer to the CS10 User Manual for further information.

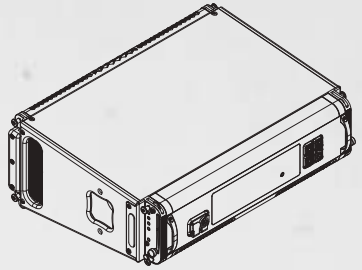
CS10n

TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	60 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	80° x 10°
Maximum Peak SPL**	141.3 dB
Components LF	2x ND10-LM 10" Kevlar™ Neodymium Driver
Components HF	Adamson NH4 4" Diaphragm 1.5" Exit Compression Driver
Rigging	Slidelock Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height Front (mm / in)	265 / 10.4
Height Back (mm / in)	178 / 7
Width (mm / in)	737 / 29
Depth (mm / in)	526 / 20.7
Weight (kg / lbs)	31 / 68.4
Amplification	2 channel Class-D, 2400W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 1.7 A rms long-term, 10 A max peak
Processing	Onboard / Proprietary

SUB-COMPACT NARROW DISPERSION LINE ARRAY CABINET

The CS10n is a two-way, full-range intelligent loudspeaker, intended for use in a wide variety of applications. Utilizing Adamson's proprietary network platform, the CS10n employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the loudspeaker are controlled and monitored through Adamson's proprietary AI software.



Acoustically, the CS10n contains 2x 10-inch Kevlar™ Neodymium transducers and a 3" compression driver. The critically optimized sound chamber produces a slightly curved wavefront with a nominal dispersion pattern of 80° x 10° (H x V). The narrower horizontal pattern allows for increased usability in reflective spaces as well as increased long-throw capability of a CS-Series package.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection.

Please refer to the CS10n User Manual for further information.

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

CS10P

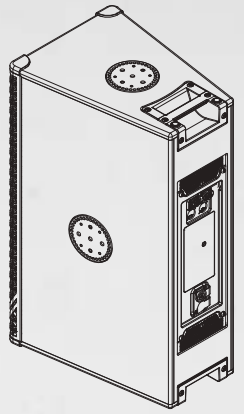
TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	60 Hz - 18 kHz
Nominal Directivity (-6 dB) H x V	70° x 40° or 100° x 50° (rotatable 90°)
Maximum Peak SPL**	139 dB
Components LF	2x ND10-LM 10" Kevlar™ Neodymium Driver
Components HF	Adamson NH3 3" Diaphragm 1.4" Exit Compression Driver
Rigging	Integrated Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height (mm / in)	744 / 29.29
Width Front (mm / in)	326.6 / 12.86
Width Back (mm / in)	192 / 7.56
Depth (mm / in)	444.5 / 17.5
Weight (kg / lbs)	30 / 66.5
Amplification	2 channel Class-D, 2400W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 1.7 A rms long-term, 10 A max peak
Processing	Onboard / Proprietary

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

SUB-COMPACT POINT SOURCE CABINET

The CS10p is a two-way, full-range intelligent loudspeaker, intended for use in a wide variety of applications. Utilizing Adamson's proprietary network platform, the CS10p employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the loudspeaker are controlled and monitored through Adamson's proprietary AI software.



Acoustically, the CS10p contains 2x 10-inch Kevlar™ Neodymium transducers and a 3" compression driver, loaded with either a 70° x 40° or a 100° x 50° (H x V) waveguide, each rotatable by 90 degrees. The dipole arrangement of the cabinet results in a stable polar response, meaning the CS10p can be easily paired to increase horizontal coverage and overall output.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection. The rigging system offers a wide variety of possible solutions.

Please refer to the CS10p User Manual for further information.

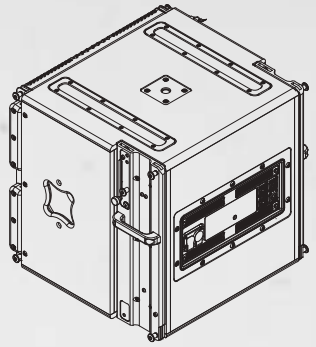
CS118

TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	35 Hz - 80 kHz
Maximum Peak SPL**	133 dB
Components LF	ND18-S 18" Kevlar™ Neodymium Driver
Rigging	Integrated Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height (mm / in)	508 / 20
Width (mm / in)	527 / 20.75
Depth (mm / in)	495 / 19.5
Weight (kg / lbs)	34 / 75
Amplification	Single channel Class-D, 3000W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 1.8 A rms long-term, 11 A max peak
Processing	Onboard / Proprietary

ULTRA-COMPACT FRONT-LOADED SUBWOOFER

The CS118 Subwoofer is the companion subwoofer to the CS7 & CS7p. Utilizing Adamson's proprietary network platform, the CS118 employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the subwoofer are controlled and monitored through Adamson's proprietary AI software.



The CS118 is front-loaded with a light weight, long excursion, 18" ND18-S Kevlar™ Neodymium driver utilizing Adamson's Advanced Cone Architecture and a 4" voice coil for exceptional power handling. This driver is mounted in an ultra-efficient enclosure, designed to reproduce clean, musical low frequency information.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection. The rigging system offers a wide variety of possible solutions.

Please refer to the CS118 User Manual for further information.

*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

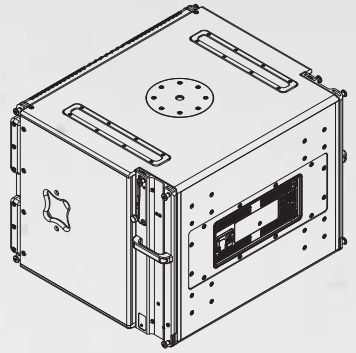
CS119

TECHNICAL SPECIFICATIONS

Frequency Range (+/- 3dB)	30 Hz - 100 kHz
Maximum Peak SPL**	138 dB
Components LF	ND19 19" Kevlar™ Neodymium Driver
Rigging	Integrated Rigging System
Connections	Power: powerCON TRUE1 Network: 2x etherCON Analog: 2x XLR
Height (mm / in)	544 / 21.4
Width (mm / in)	742 / 29.2
Depth (mm / in)	630 / 24.8
Weight (kg / lbs)	51 / 112.5
Amplification	Single channel Class-D, 3000W total output
Input Voltage	100 - 240V
Current Draw	0.45 A rms idle, 4 A rms long-term, 24 A max peak
Processing	Onboard / Proprietary

SUB-COMPACT FRONT-LOADED SUBWOOFER

The CS119 is the larger subwoofer in the CS-Series, intended as a companion subwoofer to the CS10 & CS10p. Utilizing Adamson's proprietary network platform, the CS119 employs a redundant MILAN scheme with the ability to daisy-chain networked audio between multiple sources, an analog XLR input and output, as well as on-board DSP and amplification. All features of the subwoofer are controlled and monitored through Adamson's proprietary AI software.



The CS119 is loaded with a light weight, long excursion, 19" ND19 Kevlar™ Neodymium driver utilizing Adamson's Advanced Cone Architecture. The driver is mounted in an ultra-efficient front-loaded enclosure, designed to reproduce clean, musical low frequency information.

The cabinet construction uses marine grade birch plywood as well as aircraft grade steel and aluminum, and is equipped with a male and female XLR connector, 2x etherCON connections and an in and through powerCON TRUE1 connection. The rigging system offers a wide variety of possible solutions.

Please refer to the CS119 User Manual for further information.

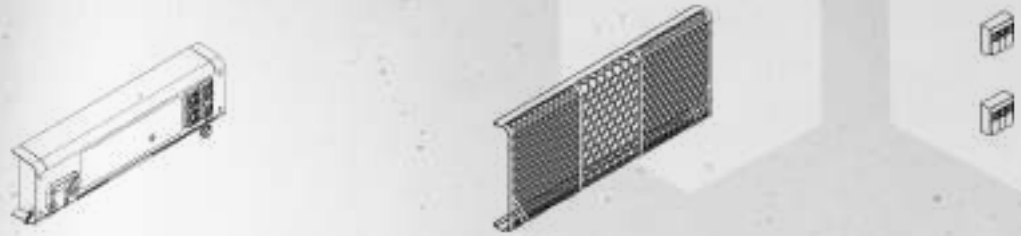
*12dB crest factor pink noise at 1m, free field, using specified processing and amplification.

CS UPGRADE KIT

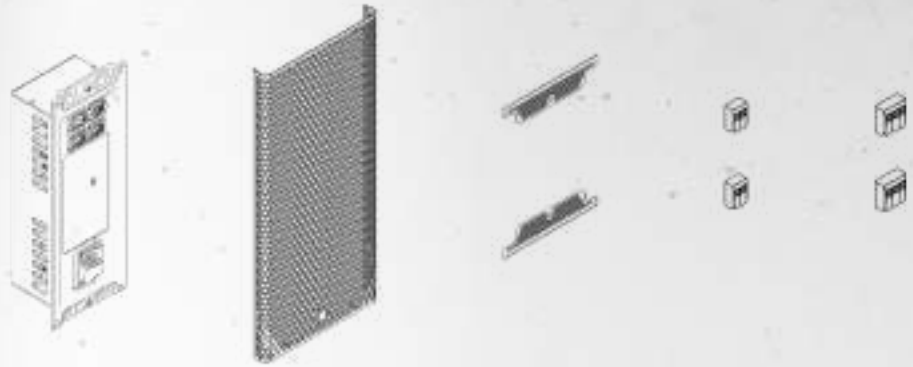
The turnkey CS Upgrade Kit allows any existing S-Series cabinets to be easily converted to CS models in minutes by simply removing four screws, connecting the CS Jackplate with the provided wiring connectors, and switching the front screen.

Future-proof your existing S-Series inventory quickly and easily with the CS Upgrade kit. Each kit contains all the components required to add amplification, DSP and AVB connectivity to your exisiting enclosures: a CS-Series jackplate, the new-look front grille, Wago connectors, and screws.

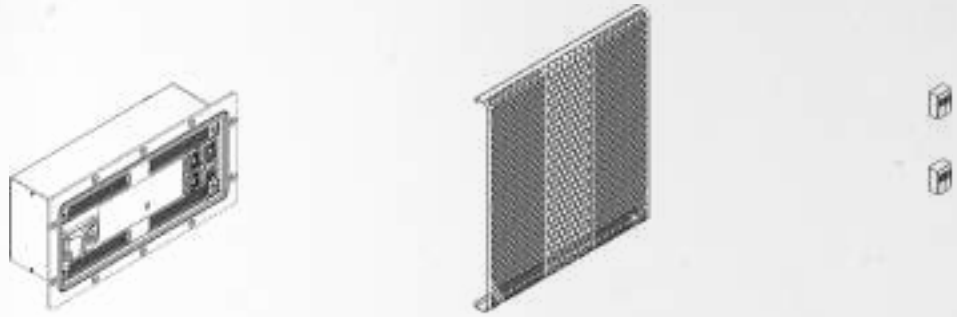
LINE ARRAY KITS



POINT SOURCE KITS



SUBWOOFER KITS



RACK-MOUNTED EQUIPMENT

Adamson offers rack-mounted equipment designed to provide the necessary tools to get the highest level of performance out of the CS-Series: Gateway, Network Distribution System (NDS), Power Distribution System (PDS) and Bridge.

GATEWAY

The AVB on-ramp into the CS-Series ecosystem, the Gateway is a 16x16 matrix with 16 channels of user accessible DSP, containing dual-LAN, Milan-ready AVB, AES/EBU, and analog connections. An extremely powerful tool, the Gateway's network connectivity allows for integrating other systems like broadcast feeds or matrixing multiple consoles in a festival environment.

KEY FEATURES

- 16 x 16 Matrix
- 16x User accessible DSP channels
- 24 bit / 96kHz
- 3x Primary & Secondary EtherCON and 1x Primary & Secondary Optical network ports
- Three layers of user-defined redundancy
- 8x XLR inputs and outputs for 8x Analog or 16x AES/EBU digital inputs and outputs, switchable per XLR
- Asynchronous Sample Rate Converter per AES/EBU input
- Converts AVB to and from Analog and AES/EBU

BRIDGE

The Bridge is designed to replace existing network infrastructure in Adamson's E-Rack or S-Rack, allowing users to seamlessly integrate the CS-Series into their existing inventories by converting dual-LAN, Milan-ready AVB signal to AES/EBU for networking to existing Lab.gruppen amplifiers, while also offering six channels of DSP per unit.

KEY FEATURES

- 1x data port to connect to existing Lab.gruppen infrastructure
- 3x Primary & Secondary EtherCON Connections
- 3x AES/EBU Connections, 6 discrete audio signals
- 6 channels of DSP

POWER DISTRIBUTION SYSTEM (PDS)

Available in 110V and 230V models, the Power Distribution System (PDS) is designed to ensure that all CS-Series system components receive ample power. The PDS provides six circuits of 208V or 230V, 16A power offered via powerCON or Socapex outputs. An integrated data port allows users to monitor consumption data, both per power output and for overall draw.

KEY FEATURES

- 6 circuits of 208/220v, 16A power
- CEEE 3-phase (230V regions) and L21-30 (110V regions)
- Data port to connect to AI software providing power consumption monitoring
- Additional EMI/EMC filtration to improve noise rejection
- Power outputs are offered in both powerCON and Socapex on the front panel
- Front LED status lights
- Contains 2 x powerCON aux outlets on the rear, tied to a 5A Aux breaker

NETWORK DISTRIBUTION SYSTEM (NDS)

The Network Distribution System (NDS) is a network and analog patch bay that allows users to send redundant audio and control to CS-Series loudspeakers on a single network cable. The NDS combines Primary and Secondary LAN with 2 external AVB switches.

KEY FEATURES

- Allows for 2 XLR analog inputs, each splayed to three parallel outputs
- Accepts OpticalCON and EtherCON connections
- Combines Primary & Secondary LAN with the use of 2 AVB enabled switches into a single cable carrying redundant networked audio to the loudspeaker system

SYSTEM CONFIGURATIONS

CS-Series loudspeakers feature the same form factors as their S-Series counterparts, and their fully compatible sonic signatures ensure scalable configurations from portable corporate solutions to high-performance touring and installed systems.

MOBILE PERFORMANCE • SMALL VENUE

INVENTORY

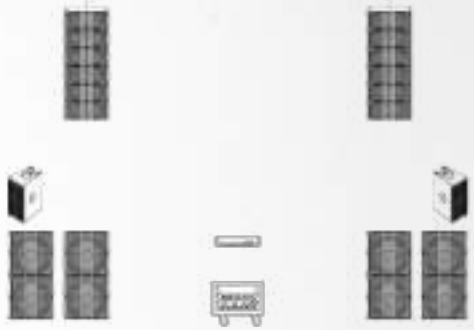
- CS118 x 2
- CS7p x 2

MOBILE PERFORMANCE • CORPORATE

INVENTORY

- CS7 x 8
- CS118 x 4
- CS Rack

PERFORMANCE • SMALL THEATRE



INVENTORY

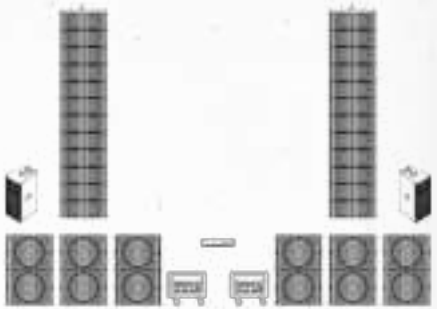
- CS7 x 12
- CS118 x 8
- CS7p x 2
- Gateway
- CS Rack

HIGH PERFORMANCE • NIGHTCLUB

INVENTORY

- CS10 x 8
- CS119 x 8
- CS10p x 2
- Gateway
- CS Rack

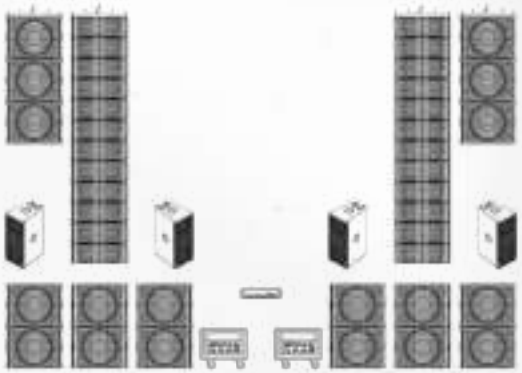
HIGH PERFORMANCE • MID-SIZE CHURCH



INVENTORY

- CS10 x 24
- CS119 x 12
- CS10p x 2
- Gateway
- CS Rack x 2

HIGH PERFORMANCE+ • FESTIVAL OR TOURING



INVENTORY

- CS10 x 24
- CS10p x 4
- CS119 x 18
- Gateway
- CS Rack x 2

ADAMSON

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