



Pro Cinema Sound Reinforcement System



Beta Three

HIGH-TECH FOR YOUR LISTENING ENJOYMENT



INTRODUCTION

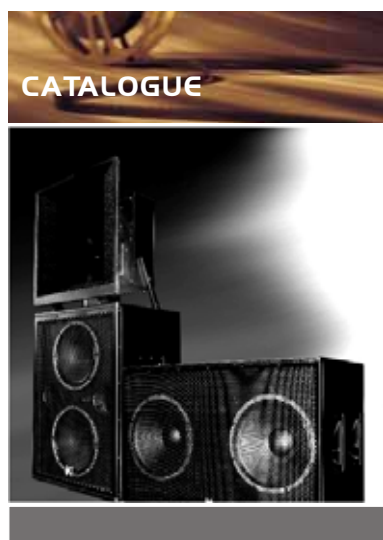


Pro Cinema Sound Reinforcement System

β 3 Pro Cinema Sound Reinforcement System provides a wide range of high-tech patented digital stereo pro audio products able to configure for various-sized luxury cinema applications.

This system aims at satisfying audience with marvellous sound effect and leaving no future trouble to users by offering full technical service.

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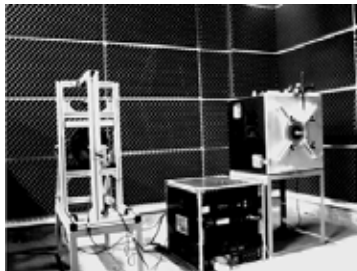
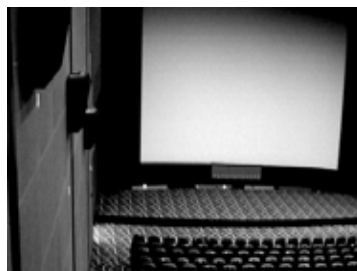


CATALOGUE

β3 Cinema Loudspeaker Series

β3 Cinema Loudspeaker Series is developed by German loudspeaker experts and domestic film technology masters applying the latest loudspeaker technology to meet different multi-hall cinema application requirements. This series consists of cinema main loudspeakers, subwoofers and surround sound loudspeakers, mainly used to set up a digital stereo system for various size luxury cinema applications. It can also be used as an on-stage PA system for cinema, theatre, conference hall or multifunctional hall applications.

INTRODUCTION



- β3 Cinema Loudspeaker Series mainly utilize β3 transducers developed cooperatively by Elder Audio Manufacture Co., Ltd. and a famous German audio manufacturer. β3 transducers adopt the most advanced high-energy magnetic structure with low distortion and efficient cooling system. The low & mid range transducers use the long carbon fibre paper cone of nonlinear thickness having coated surround with special damping factor and big power aluminum-alloy voice coil.
- The HF drivers use titanium diaphragm, CCAW voice coil and the patented compression cavity design.
- The mid & high range wooden horns of the unique patented design have a ruffling sound quality and excellent acoustic energy radiation characteristic best matching digital stereo cinema application.
- The carefully adjusted digital controller ensures the best technical performance, the highest efficiency and security of the system operation.
- The passive crossover network with patented protection circuit allows high performance and easy-to-handle reliable application of the β3 pro cinema loudspeakers.
The graceful-shaped β3 cinema loudspeaker cabinets are coated with decorative non-glistening multi-ply paint of optional colors.

β3 Main Cinema Loudspeaker Series

This series comprises 4-way, 3-way and 2-way loudspeakers of various types and models with different workmodes of passive crossover, tri-amp, bi-amp, and single-amp, which form convenient options for audio system designers and cinema investors to meet application requirements for different-sized cinema, theatre or conference hall applications.



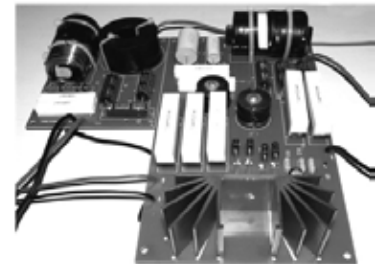
β3 Cinema Subwoofer Series

This series comprises models with double 18" or single 18" transducers. The frequency response range can be as low as 20Hz, due to the utilization of big-power long-excursion LF transducers. The vigorous and pure sound with convulsive bass effect allows true-to-life sound reproduction for movie projection. And the wide and flat enclosure design makes it an easy job to install these speakers behind the film screen.



β3 Cinema Surround Sound Loudspeaker Series

This series comprises models with 8" , 10" , 12" , or 15" transducers, covering 4 power types ranging from 100W to 500W. The adoption of bigger HF transducers, β3 HF horns with special radiation characteristic, and the patented HF transducer protection circuit guarantees more realistic and punchy surround sound effect as well as the super reliability that will scarcely cause future trouble.



β3 Cinema Amplifier Series

This series comprises models covering 4 output power types with min. 4Ω or min. 2Ω load, can meet various power requirements for both digital and analog stereo cinema systems. β3 cinema amplifiers apply the latest circuit design. Their superior technical performance and reliability that ensures trouble-free long-time operation in harsh environment is guaranteed by the QA & QC which is even stricter than the related national standard.



- The amplifiers feature high output power, excellent driving capability, high conversion rate, big damping factor, wide frequency response range, low distortion, full protection functions, and high stability and reliability. The protection functions cover over-temperature, over-current, and short-circuit protection as well as automatic identifying of 2Ω load and parameter adjusting functions. They also have independent channel volume control function.



- The options cover bridged input mode, parallel input mode, compression & limit and low cut functions. The identical height of 2U of the amplifier enclosure can save installation space inside amplifier case and ensure more spacing for heat radiation.

CS Electronic Crossover Filters

This series comprises models of 2 inputs 6 outputs and 3 inputs 6 outputs, which are used for 2-channel 3-way and 3-channel 2-way systems. The combination of accurate crossover with steep slope, extremely low noise, high-pass filtering switch and phase conversion functions, makes it the most attractive filter series with high performance and comparatively lower price.

INTRODUCTION



β3 Signal Processor Series CSC Digital Loudspeaker Controllers

This series comprises various models of high-tech digital loudspeaker controllers and conventional electronic crossover filters.

This series comprises various models of 2 inputs 6 outputs, 3 inputs 6 outputs, 6 inputs 6 outputs, which can be used as crossover filters or distributors for applications with high technical requirement. The input and output channels of CSC controllers have functions of delay, compression & limit, parameter EQ and full signal processing protection function. The compensation capability for matching the cinema main loudspeakers ensures the best performance and reliable security.

Applying the advanced 32-bit DSP digital filtering arithmetic and 24-bit AD/DA conversion technology, CSC controllers can offer a 110dB dynamic range. The unique internal processing circuit design can prevent the post amplifier from being impacted on while switching on or off the equipment. Through specialized PC software it is feasible to achieve real-time management and monitoring over multiple CSC units in RS-485 network. The transmission distance can reach 1000 meters, which makes it convenient to apply the controllers to center control multi-hall cinema digital film projection systems.



β3 Cinema Series Auxiliaries

The auxiliaries cover active monitors, power sequence controllers, and surround sound loudspeaker stands, etc., which makes it an easy job to set up a cinema application system.



Typical Cinema Stereo System

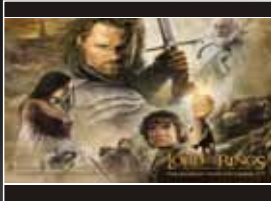
The wide model range of β 3 Cinema Stereo System has offered availabilities of setting up a superior-performance stereosystem for any size cinema applications. The advantage of having a large power capacity, super reliability that ensures trouble-free operation and high performance-to-cost ratio makes it a very economical system popular among cinema investors and installation engineers.

Small-sized Hall Digital Stereo System

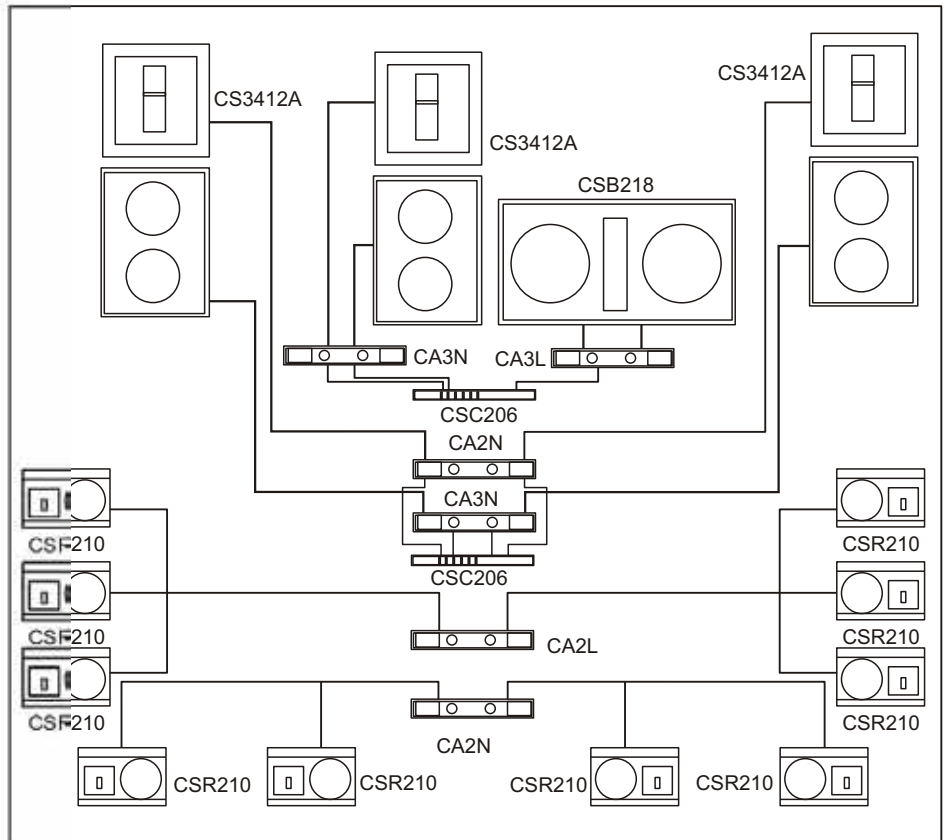
———— Suitable for 80~150-seat audience hall application in a luxury multi-hall cinema

The 3-way bi-amp main loudspeakers with a large power capacity for each channel ensures easy operation while meeting the requirement of a large dynamic range and high reliability for a digital cinema sound reinforcement Application.

TYPICAL SYSTEMS



Typical System Configuration Chart

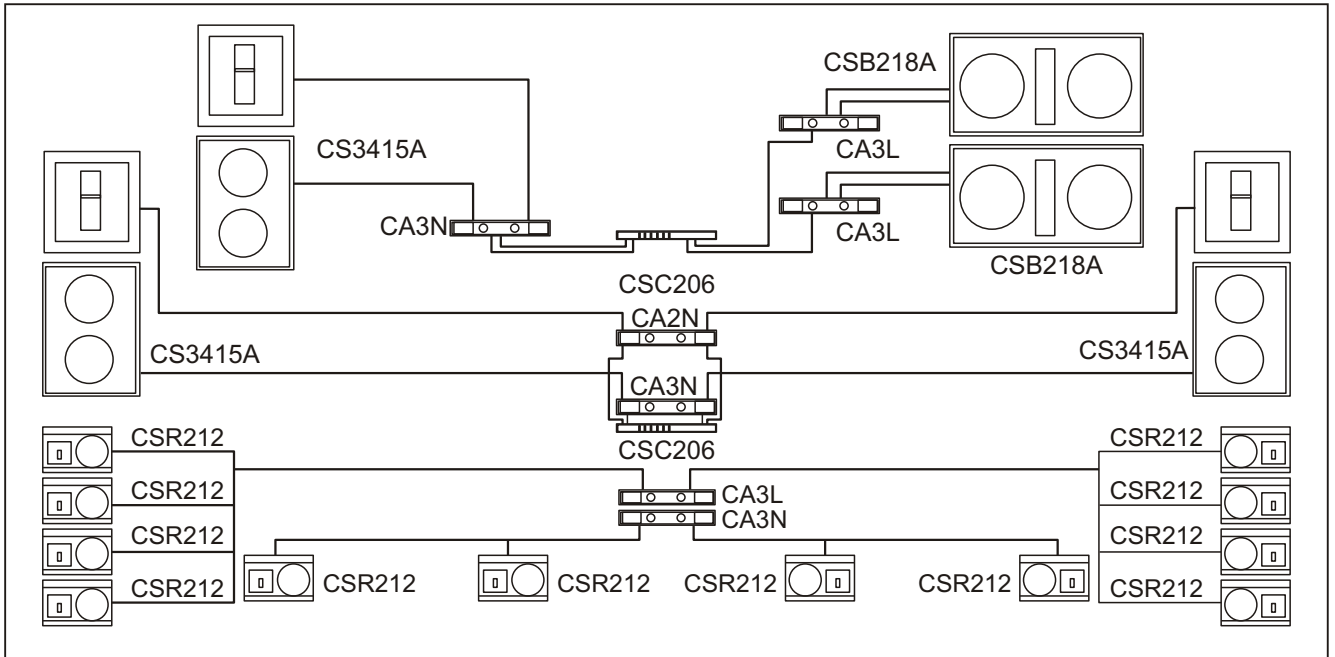


Medium-sized Hall Digital Stereo System

— Suitable for 100~250-seat audience hall application in a luxury multi-hall cinema

The 3-way bi-amp main loudspeakers with a large power capacity for each channel ensures easy operation while meeting the requirement of a large dynamic range and high reliability for a digital cinema sound reinforcement application.

Typical System Configuration Chart

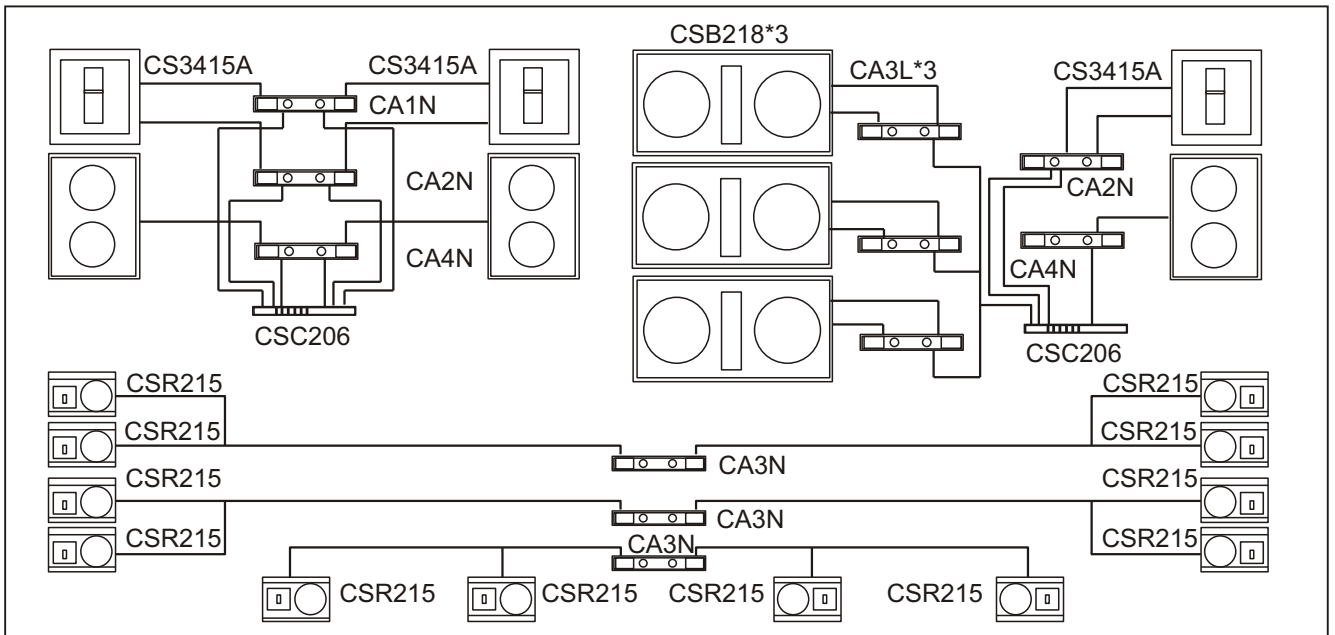


Large-sized Hall Digital Stereo System

— Suitable for 200~450-seat audience hall application in a luxury multi-hall cinema

The full-range products of $\beta 3$ Pro Cinema Sound Reinforcement System can not only satisfy the need of high-class multi-hall cinema applications, but also can be used as an on-stage PA system with a very high performance-to-cost ratio in the developing digital film projection and disc play application fields.

Typical System Configuration Chart



Compatible Audio System for Cinema, Theater and Multifunctional Halls

The full-range products of $\beta 3$ Pro Cinema Sound Reinforcement System can not only satisfy the need of high-class multi-hall cinema application, but also can be used as an on-stage PA system with a very high performance-to-cost ratio in the developing digital film projection and disc play application fields.

Digital Film Projection & Disc Play Stereo System

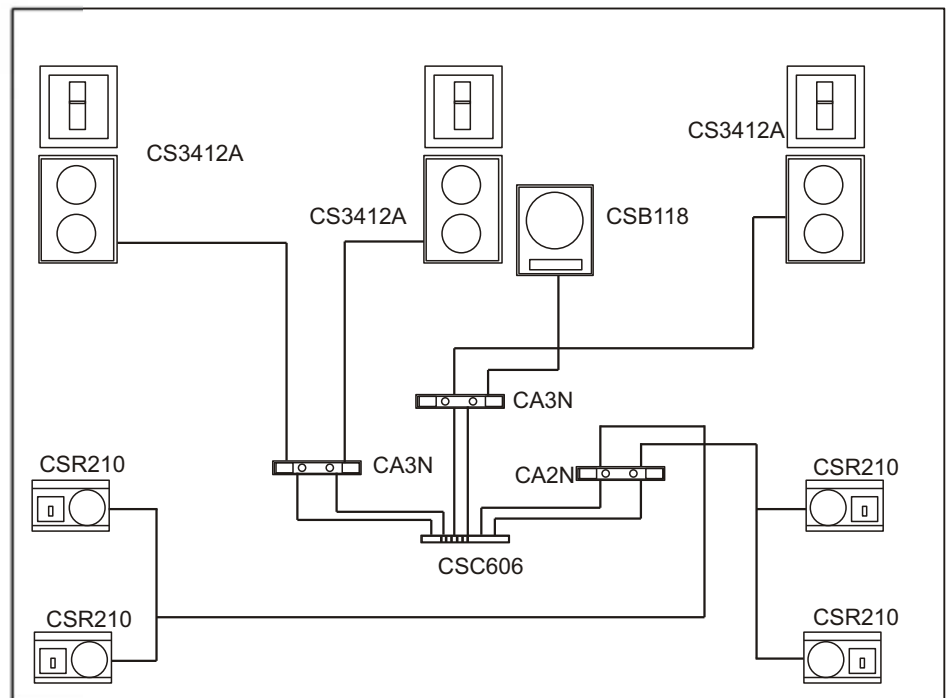
Suitable for low-investment cinema hall, club, multifunctional conference room, educational room applications and digital film projection system rental.

The 5.1 stereo, 3-way single-amp. Main loudspeaker system configured with the 6 inputs 6 outputs full functional signal controller with excellent sound quality deserve your investment.

TYPICAL SYSTEMS



Typical System Configuration Chart

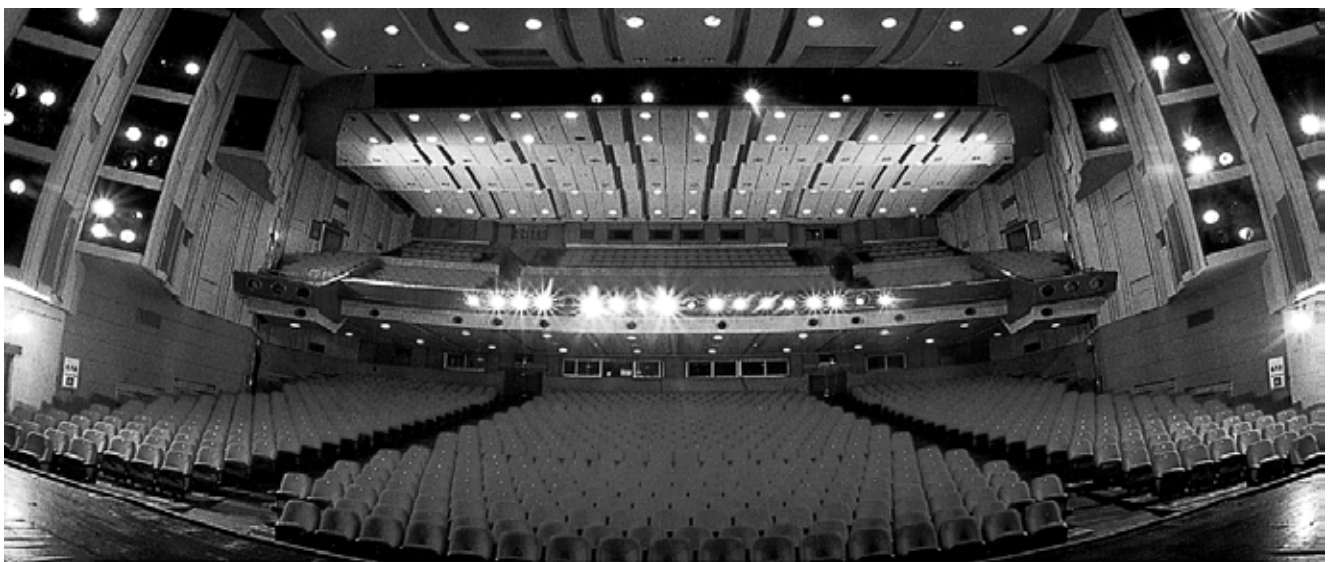
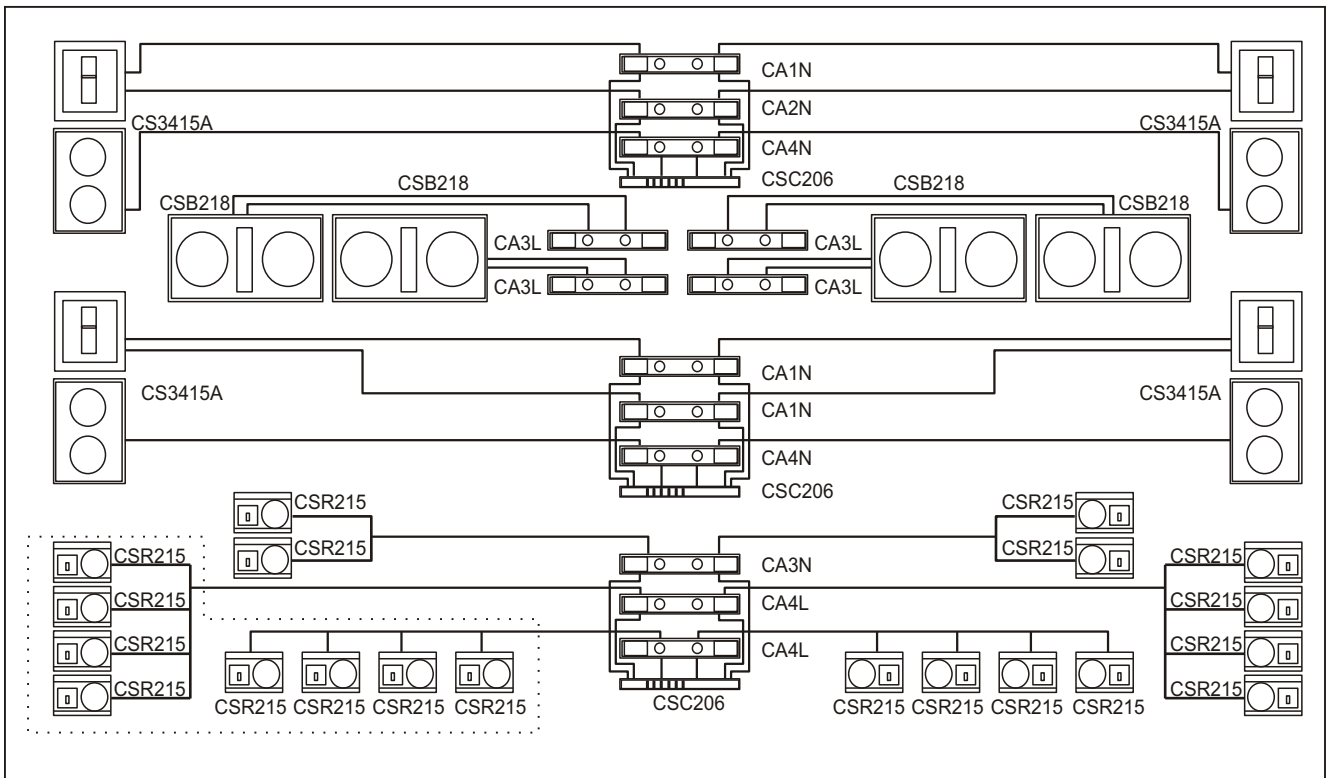


Compatible Audio System Integrating Digital Stereo & On-stage PA System

— Suitable for cinema, theater, large-scale conference hall and multifunctional hall application

The 3-way tri-amp main loudspeaker system with an ample power capacity features accurate delay adjustment for all surround sound loudspeakers and aboratively designed screen-matching installation options. All these guarantee the capability of not only suitable for cinema digital stereo system application but also can be acted as a Class A compatible system for both music and voice.

Typical System Configuration Chart





Main Cinema Loudspeaker Series



- The Main Cinema Loudspeaker Series with intellectual property is suitable for all size cinema digital stereo sound reinforcement, on-stage PA system with high technical requirement for theater, large conference hall and multifunctional hall application.
 - The patented mid & high range wooden horns with unique acoustic radiation performance ensures the clearest acoustic image orientation and the best sound quality.
 - The wide and flat frequency response explains the excellent expressive force of music.
 - The high sensitivity and SPL output ensures no problem for all type cinema digital stereo systems and on-stage PA system requiring high SPL
- The super overloading capacity of the low, mid & high range drivers and patented HF transducer protection circuit guarantee stable technical performance and high reliability of the loudspeakers while working long hours in harsh environment. The steel grille offers protection against mechanical damage and rat or insect attack. The 3-year period warranty ensures free maintenance of the products and makes users feel safe.
 - The different driving mode of tri-amp., bi-amp., and single-amp offer optional and flexible system configuration possibilities.
 - Using the loudspeaker system with $\beta 3$ cinema loudspeaker controllers with built-in control and compensation circuit can achieve the fastest debugging, best performance with security guarantee.

MAIN SPEAKER





Specifications

CS3415A

CS3412A

Transducers:	2 × 15" woofer 10" with horn loaded Φ75mm with horn loaded	2 × 12" woofer 8" with horn loaded Φ44mm with horn loaded
Work Mode:	3 way tri-amp./bi-amp.	3 way tri-amp./bi-amp.
Nominal Power:	1200W +300W +80W	700W +150W +50W
Rated Impedance:	Low:4Ω M/H:8Ω	Low:4Ω M/H:8Ω
Sensitivity(1M/1W):	Low:102dB M/H:105dB	Low:100dB M/H:103dB
Max. SPL:	132dB	129dB
Frequency Response(-3dB):	35Hz – 15kHz	43Hz – 20kHz
Frequency Response(-10dB):	29Hz – 20kHz	35Hz – 20kHz
Dispersion:	90° × 40°	90° × 40°
Harmonic Distortion:	<3%	<3%
Crossover Point:	350Hz、1700Hz	450Hz、2200Hz
Dimensions (W × D × H):	Low:700 × 550 × 1000mm	Low:560 × 440 × 800mm
Packing Dimensions(W × D × H):	M/H:560 × 508 × 730.5mm Low:650 × 800 × 1100mm M/H:835 × 806 × 618mm	M/H:560 × 408 × 584.4mm Low:660 × 540 × 900mm M/H:690 × 666 × 515.4mm
Net Weight(Kg):	Low:76kg M/H:32.5kg	Low:40kg M/H:14.4kg
Gross Weight(Kg):	Low:82kg M/H:37kg	Low:45kg M/H:19kg



SUBWOOFER



Cinema Subwoofer Series



- The big-power 18" transducer developed by applying the innovated German technology features super high-efficiency magnetic circuit, long stroke, and high sensitivity. The lowest useful frequency is peerless in cinema subwoofer world.
- The unique rugged phase-inverted cabinet designed by applying computerized simulation technology features pure and non-interface. The wide and compact cabinet design makes easy installation behind the film screen.
- The combination of high SPL and sub-low frequency response achieves unmatched punchy and convulsive sound effect.
- The super overloading capacity of the transducers and patented HF transducer protection circuit guarantee stable technical performance and high reliability of the loudspeakers while working long hours in harsh environment.
- The steel grill offers protection against mechanical damage and rat or insect attack. The 3-year period warranty ensures free maintenance of the products and makes users feel safe.
- The flexibility of using 2, 3, or 4 loudspeakers together can achieve more efficient application with better sound quality to meet various application requirements for different size audience halls.
- Using the loudspeaker system with $\beta 3$ cinema loudspeaker controllers with built-in control and compensation circuit can achieve the fastest debugging, best performance with security guarantee.

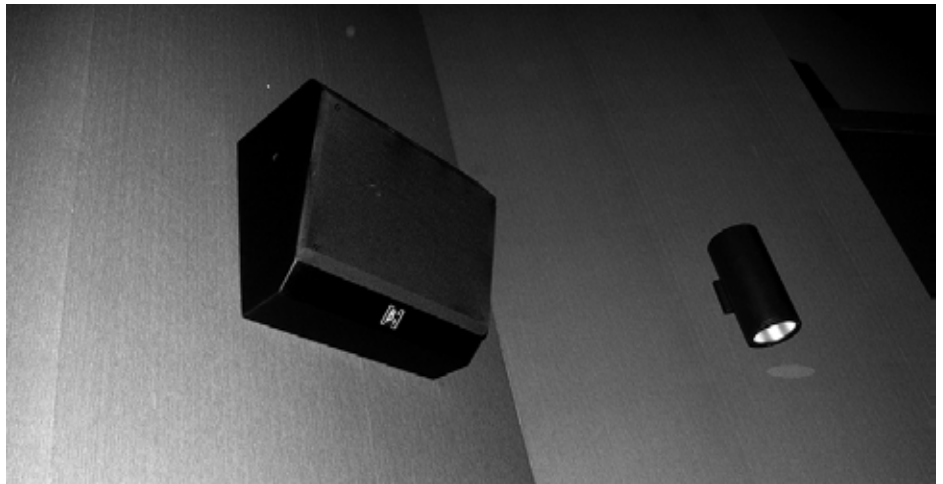


Specifications

CSB218A

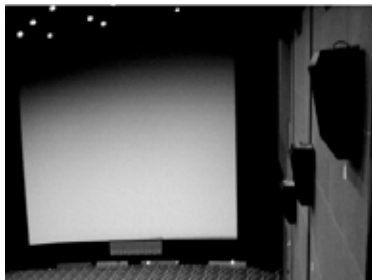
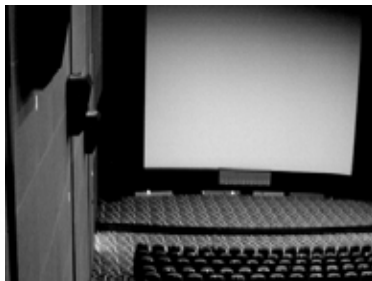
CSB118A

Transducers:	2×18"	1×18"
Work Mode:	single-amp	single-amp
Nominal Power:	1000W	600W
Rated Impedance:	4Ω	8Ω
Sensitivity(1M/1W):	97dB	96dB
Max. SPL:	128dB	126dB
Frequency Response(-3dB):	29Hz – 1800Hz	25Hz – 300Hz
Frequency Response(-10dB):	23Hz – 2000Hz	22Hz – 2000Hz
Harmonic Distortion:	<3%	<3%
Dimensions (W × D × H):	1250×550×800mm	725×550×800mm
Packing Dimensions (W × D × H):	1350×650×900mm	825×650×900mm
Net Weight(Kg):	105.5kg	55.5kg
Gross Weight(Kg):	112kg	62.5kg



Surrounding Sound speaker Series

SURROUNDING SPEAKER



- Various types of loudspeakers with different technical specifications can match different size cinema hall application to achieve the optimal surround sound.
- CSR215A consisting of 15" woofer with $\Phi 100\text{mm}$ voice coil and $\Phi 75\text{mm}$ titanium diaphragm HF driver is unique in its class.
- The combination of bigger size HF driver and lower low-cut point allows more powerful surround sound effect.
- The adjustable dispersion characteristic of $(50^\circ - 100^\circ) \times 80^\circ$ allows audience in different areas to enjoy almost the same surround sound effect.
- The accurate delay control and high SPL of the loudspeaker system while used with $\beta 3$ digital signal processors can completely meet various application requirements for surround sound in cinemas, theaters, or multi-functional halls.
- The super overloading capacity of the transducers and patented built-in HF driver protection circuit guarantee stable technical performance and high reliability of the loudspeakers while working long hours in harsh environment. The steel grille offers protection against mechanical damage and rat or insect attack. The 3-year period warranty ensures free maintenance of the products and makes users feel safe.
- The proper size design, good-looking shape and the optional finishing color of the loudspeaker cabinets can match audience halls with any decoration style.



Specifications

CSR215A

CSR212A

CSR210A

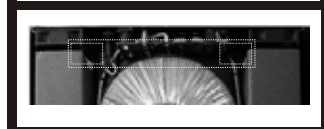
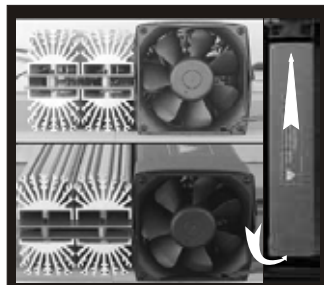
Specifications	CSR215A	CSR212A	CSR210A
Transducers:	1×15"woofer+Φ75mm adjustable horn	1×12"woofer+Φ44mm adjustable horn	1×10"woofer+Φ44mm adjustable horn
Work Mode:	2 way single-amp	2 way single-amp	2 way single-amp
Nominal Power:	500W +80W	300W +50W	200W +50W
Rated Impedance:	8Ω	8Ω	8Ω
Sensitivity(1M/1W):	98dB	96dB	95dB
Max. SPL:	126dB	119dB	117dB
Frequency Response(-3dB):	44Hz – 15kHz	55Hz – 20kHz	65Hz – 20kHz
Frequency Response(-10dB):	38Hz – 20kHz	42Hz – 20kHz	50Hz – 20kHz
Dispersion:	55 – 100° × 55°	55 – 100° × 55°	55 – 100° × 55°
Harmonic Distortion:	<3%	<3%	<3%
Crossover Point:	2000Hz	2200Hz	2000Hz
Dimensions (W×D×H):	600 × 275 × 440mm	600 × 275 × 440mm	515 × 260 × 420mm
Packing Dimensions(W×D×H):	625 × 416 × 810mm	520 × 367 × 650mm	490 × 340 × 565mm
Net Weight(kg):	34.5kg	18.5kg	14.5kg
Gross Weight(kg):	39kg	23kg	17.5kg

AMPLIFIERS

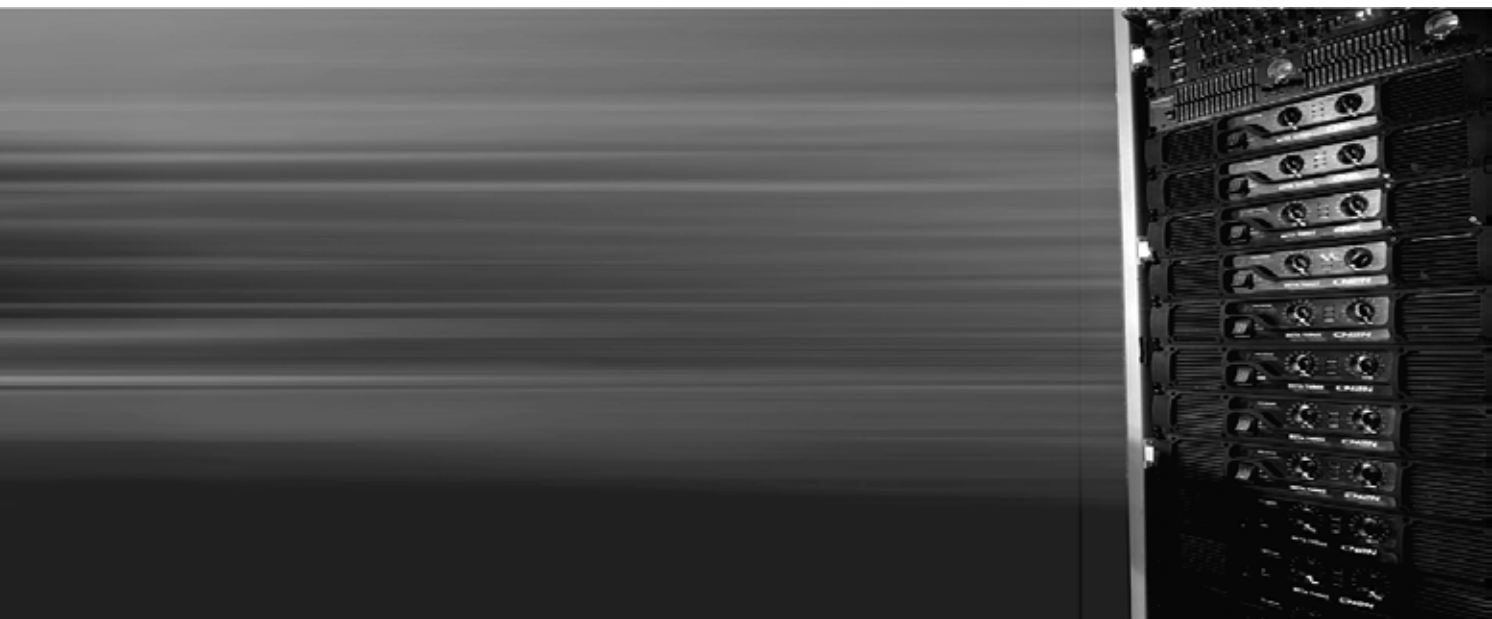


Cinema Amplifier Series

- Dynamic continuous power output and excellent driving capability. Min. loading impedance of 2Ω in stereo mode and 4Ω in bridged mode are favorable to achieve the max. power output while forming the sound reinforcement system configuration.
- The high-class computerized simulation technology applied in the amplifier system design and the continual technical improvement ensures the high system stability and reliability. Full protection functions that cover DC, overload, overheat, and low load protection guarantee high security.
- All the technical data are beyond the standard requirement. The low distortion ensures nice sound quality. Separate volume control for single channel of the stereo mode and 3 optional input modes make operation very easy.
- Optional compression & limit functionality offers security for protecting loaded loudspeakers.
- Low-cut frequency is optional according to different loading possibility for enhancing system reliability.
- 2U compact enclosure design is convenient for installation and favorable for cooling in the amplifier case.



- Unique aluminium radiator make sure the distance between the end of heatsink and transistor symmetrical, and the distance is less than 4cm, which reduce the heat resistance efficiently.
- Excellently efficient ventilation channel between the brushless cooling fans at the end of heatsink and the AMP module cover.
- Unequidistant transistor arrangement ensure the temperature of every transistors close
- Unique ventilation channel exit design bring the efficient heat radiating to transformer.
- Ventilation filter can be changed and cleaned very conveniently.



Specifications CA1L CA2L CA3L CA4L

Specifications	CA1L	CA2L	CA3L	CA4L
Rated Power RMS (THD<0.1%)				
Stereo Mode	4Ohm 200W × 2 2Ohm 300W × 2	330W × 2 500W × 2	660W × 2 1000W × 2	950W × 2 1500W × 2
Bridged Mode	8 Ohm 400W 4Ohm 600W	660W 1000W	1300W 2000W	1900W 3000W
Sensitivity :	1V	1V	1V	1V
S/N ratio (Aweighted)	>108dB	>108dB	>108dB	>108dB
Frequency Response :	20Hz-20kHz(+0/0.25dB)	20Hz-20kHz(+0/0.25dB)	20Hz-20kHz(+0/0.25dB)	20Hz-20kHz
THD: rated power	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10
Slew Rate :	>50V/uS	>50V/uS	>70V/uS	>70V/uS
Damping Factor	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz
Input Connector	XLR/1/4" TRS	XLR/1/4" TRS	XLR/1/4" TRS	XLR/1/4" TRS
Input Impedance	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced
Output Connector	Binding post, NL4 Speakon connector	Binding post, NL4 Speakon connector	Binding post, NL4 Speakon connector	binding post, NL4 Speakon connector
Power Supply	AC 220V/50Hz-60Hz/300VA	AC 220V/50Hz-60Hz/500VA	AC 220V/50Hz-60Hz/1000VA	AC 220V/50Hz-60Hz/1500VA
Dimensions	483 × 88 × 310mm	483 × 88 × 375mm	483 × 88 × 375mm	483 × 88 × 452mm
Packing Dimensions	535 × 150 × 455mm	535 × 150 × 455mm	535 × 150 × 455mm	550 × 175 × 540mm
Net Weight	11kg	12.5kg	18kg	30kg
Gross Weight	13kg	14.5kg	20kg	32kg

Specifications CA1N CA2N CA3N CA4N

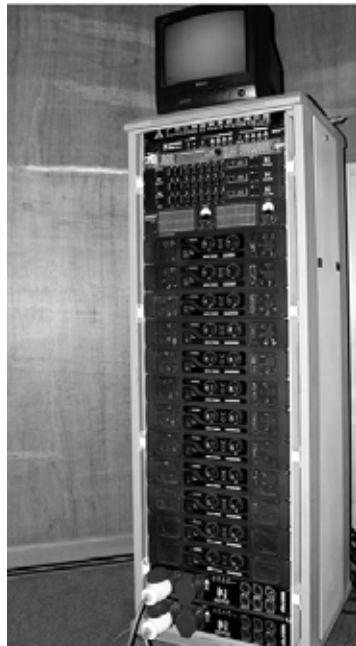
Specifications	CA1N	CA2N	CA3N	CA4N
Rated Power RMS (THD<0.1%)				
Stereo Mode	4Ohm 200W × 2 2Ohm 300W × 2	330W × 2 500W × 2	660W × 2 1000W × 2	1000W × 2 1600W × 2
Bridged Mode	8 Ohm 400W 4Ohm 600W	660W 1000W	1300W 2000W	2000W 3200W
Sensitivity :	1V	1V	1V	1V
S/N ratio (Aweighted)	>108dB	>108dB	>108dB	>108dB
Frequency Response :	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz
THD: (rated power)	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10	<0.05% @1kHz 1/10
Slew Rate :	>50V/uS	>60V/uS	>80V/uS	>100V/uS
Damping Factor	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz	>800 @ 8 Ohm/100Hz
Input Connector	XLR/1/4" TRS	XLR/1/4" TRS	XLR/1/4" TRS	XLR/1/4" TRS
Input Impedance	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced	20KΩ balanced, 20KΩ unbalanced
Output Connector	Binding post, NL4 Speakon connector	Binding post, NL4 Speakon connector	Binding post, NL4 Speakon connector	binding post, NL4 Speakon connector
Power Supply	AC 220V/50Hz-60Hz/300VA	AC 220V/50Hz-60Hz/500VA	AC 220V/50Hz-60Hz/1000VA	AC 220V/50Hz-60Hz/1500VA
Dimensions	483 × 88 × 310mm	483 × 88 × 375mm	483 × 88 × 375mm	483 × 88 × 452mm
Packing Dimensions	535 × 150 × 455mm	535 × 150 × 455mm	535 × 150 × 455mm	550 × 175 × 540mm
Net Weight	11kg	15kg	18kg	30kg
Gross Weight	13kg	17kg	20kg	32kg



SIGNAL PROCESSOR



Signal Processor Series



- Several modes of digital audio processors and conventional electronic crossover filters are suitable for various system configurations.
- Optional connection modes of 2-channel 3 way, 3-channel 2 way, 6 inputs 6 outputs are convenient for various system configuration.
- Applying the advanced 32-bit DSP digital filtering arithmetic and 24-bit AD/DA conversion technology, CSC controllers can offer an 110dB dynamic range.
- The input and output channels of CSC controllers have functions of delay, compression & limit, parameter EQ and full signal processing protection function, which can achieve complete and fine processing and control over audio signals.
- The unique internal processing circuit design can prevent the post-amplifier from being impacted on while switching on or off the equipment.
- Through specialized PC software it is feasible to achieve real-time management and monitoring over up to 100 units inside the RS485 network. The transmission distance can reach 1000 meters.



Features

2-way stereo / 3-way mono mode
Phase inversion and modulation function
High-pass filter switch
Extremely low noise

Specifications

System Mode:
Frequency Response:
Dynamic Range:
Power Supply:
Dimensions(W × D × H):
Packing Dimensions(W × D × H):
Net Weight:
Gross Weight:

CS226

2way,3way Crossovers
20Hz-20KHz,+/-0.5dB
<3Hz->90Hz,+0-3dB
<106dB,output through any channel
220v/50Hz
183 × 175 × 45mm
550 × 225 × 55mm
1.7kg
2.2kg



Specifications

Audio Characteristics (analog input / output):

Frequency Response: 20Hz ~ 20KHz, ± 0.5dB
S/N ratio: 110dB(typical value)
THD: <0.006%

Analog Input

Connector: XLR-3 input socket(IN1&IN2)
6.35 balanced inputsocket (BGM input)
Input Impedance: >10kΩ
Reference Level: +4dBu
Max. Input Level: +20dBu
A/D converter: >64KHz, 24 bit Σ - Δ , 128X over-sampling,
linear phase

Analog Output

Connector XLR-MALE outputsocket (6 channels)
Input Impedance <47KΩ
Load Impedance >600Ω
Reference Level +4dBu
Max. Output Level +20dBu
A/D converter: >64KHz, 24 bit Σ - Δ , 128X over-sampling,
linear phase

CSC206

Control Interface :

RS485 connector: XLR input/output
BGM Shift: terminal/DC+24V-48V
LED Level Meter : -40,-20,-10, -6dBFS & Overload

Others:

Power Consumption : 18W
Power Supply : nominal 110V, 100V~120V AC, 50-60Hz
nominal 220V, 200V~240V AC, 50-60Hz
Dimensions : 482(W) × 228(D) × 44(H)
Weight : 5.7kg
Accessories : PC control software(installation disc)×1
user's Manual×1
power cable×1
RS485 bus terminaladapter×2
RS232/RS485 converter×1(optional)



ASSISTANT EQUIPMENTS



Active Monitors

- Small-sized active 2-way full-range loudspeaker
- Separate bi-amp. design for HF and LF section, active frequency compensation, and automatic electronic compression & limit protection function
- Design of line input, microphone input and mixed signal output is convenient for use.
- HF and LF tone adjustable New-type rotatable HF horn and water-proof cabinet
- Around-cabinet flying points and in-bottom standing hole make installation fast and convenient
- Transparent sound of mid & high range with outstanding music reproduction capability is suitable for venues requiring high-level sound quality or monitoring application

Specifications CU8a

CU10a

Component	K8×1, ED3402+H2501A,	K10×1, ED3401+H2501A
Frequency Response (-3dB)	65Hz-180Hz	55Hz-180Hz
-10dB:	55Hz-180Hz	50Hz-180Hz
Power (RMS)	HF: 50W/ LF: 100W	HF: 50W/ LF: 100W
Dispersion (H×V):	90° × 60°	90° × 60°
Max. SPL:	110 dB(in free field)	117 dB(In free field)
Frequency Adjustment:	100Hz : ± 12dB / 10KHz: ± 12dB	100Hz : ± 12dB / 10KHz: ± 12dB
Input Impedance:	balanced 20KΩ, unbalanced 10KΩ	balanced 20KΩ, unbalanced 10KΩ
Input connector:	mic\line:XLR J3P	mic\line:XLR J3P
Output connector :	XLR K3P	XLR K3P
Protection Circuit :	amplifier compression & limit protection, overheat protection, short-circuit protection HF driver protection	amplifier compression & limit protection, overheat protection, short-circuit protection HF driver protection
Installation Points :	Top: M8×30(1point) Bottom: M8×30(1 point) Back: M8×30(4 points)	Top: M6×30(3point) Back: M8×30(4 points) Bottom: M6×30(3 point) φ 35mm support pole available
Power Supply:	~110/~220V 50Hz manual switch	~110/~220V 50Hz manual switch
Dimensions:	275 × 265 × 405 mm	525 × 375 × 355 mm
Packing Dimensions:	455 × 310 × 595mm	595 × 455 × 310 mm
Net Weight	8.6Kg	11.8 Kg
Gross Weight:	18.6 Kg(1PCS/Pack)	10.5Kg



Power Sequence Controller

PX Series is a series of power sequence controller which can distribute the input main power into 8 channels of output, and switch on or off each channel according to time sequence, so as to weaken the impact on the whole system. It is specially suitable for large-scale sound reinforcement projects.

Features

- 1 main power input, 6 or 8 controlled outputs
- Internal microprocessor control realizes sequential power-on and converse power-off function. The multi-unit cascade connection makes operation easy.
- Digital tube display of source voltage, LED indication of On/Off status of each channel
- The design of bypass switch and independent switch for each channel forms application flexibility.

Specifications	PX128	PX136
Max. System Input Power:	16KW	18KW
Max. Output Power/per channel :	2KW	3KW
On/Off Delay:	1S	1S
Cascade Connection Control:	available	available
Bypass Function:	available	available
Work Voltage:	~220V50Hz/60Hz	~220V50Hz/60Hz
Dimensions:	5Kg	5Kg
Packing Dimensions:	6Kg	6Kg
Net Weight (HxWxD):	484x222x44.5 mm	484x222x44.5 mm
Gross Weight(HxWxD):	555x310x78mm	555x310x78mm



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