

The Company

At CY Audio, we take pride in being an actual designer and manufacturer of a product, not just a brand trading products designed and made by subcontractors. This allows us to really listen to customers, implement feedback into product designs, understand what makes or breaks a product and conduct and control the manufacturing process meticulously.

It all starts with our product management team to conceive a product concept – mostly in an iterative process that combines their own vast experience, the commercial data from existing products and the feedback and inspiration provided daily by our valued customer base.

From there, all design-work is carried out in-house, using the latest CAD and EDA tools. Moving on to production, we benefit from a fully deployed ERP system as well as from the flexibility of in-house component placement, inspection, assembly and testing. Using a 3-step inspection scheme that combines functional and parametric testing, applied to each and every unit we produce, we have confidence in what we deliver.

In this way, we can stay close to the market, and deliver outstanding sound and value for money.



Microphone splitters



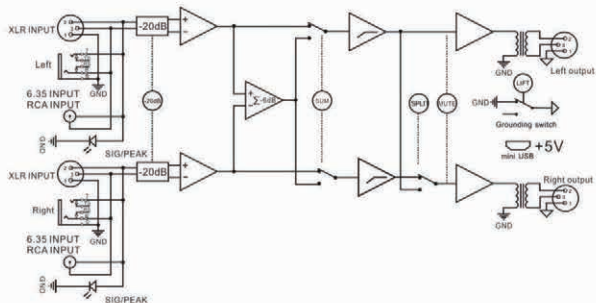


FEATURES

- High performance audio isolation transformer
- 2channel, 2 in 1/1 to 2
- powered by +5V USB
- Converted between balanced and unbalanced
- Input signal, Level indication
- Input mute, Mute function

TECHNICAL DATA

- High performance audio isolator
- Channel: 2 (left, right channel)
- Input:
 - 1. Unbalanced 3.5mm stereo headphone jack with 20K Ω input impedance
 - 2. Combo connectors
- Output: 2 channels, standard combo
- 2 channels +48V phantom power supply
- PAD: 0 to -20dB switchable
- LIFT earthing switch
- +5V USB Type-C interface power supply
- Input mute switch
- Input signal level indication LED light
- Frequency response: 20Hz-20KHz, ± 0.2 dB
- Net weight: 0.7Kg
- Size: L158mm*W131mm*H48mm
- Power consumption: <1W
- Operating temperature range: +50 $^{\circ}$ ~+45 $^{\circ}$
- Storage temperature range: -20 $^{\circ}$ ~+65 $^{\circ}$

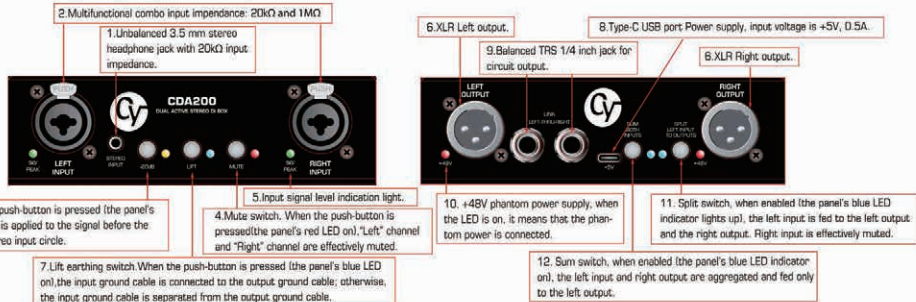


DESCRIPTION

CDA200 DI box, the selection of Permalloy audio isolation transformer, input using a multi-function combo connector. Balanced and unbalanced convertible and distributed to each other, and there are common ground and non-common ground switches. The CDA200 DI box is a very common device used in band performances. Its main function is to convert high-impedance, high-level unbalanced signals into low-impedance, low-level balanced signals in order to better transmit and process audio signals. The CDA200 is used in a wide range of ways, including but not limited to instruments and pickups with electronic circuits such as electronic keyboards, Acoustic guitar, Electric guitar or Bass. These devices typically do not include XLR balanced outputs, but CDA200 is able to provide a solution that connects directly or via an audio cable to the mixer, whether for master mixing or monitor mixing. The audio signal passes through CDA200, and the balanced and unbalanced can be converted to each other, which can completely isolate the potential difference between the two systems, avoid the hum interference caused by the grounding problem, and prevent the damage of the high potential difference to the input stage of the equipment. Achieve the safe transmission of audio signals, resolve the noise generated by the laptop connected to the mixer, the noise generated by the electronic instrument connected to the mixer, and the hum caused by the local electricity, wiring, lighting interference and other reasons. It is also suitable for large-scale outdoor performances, lightning protection, sound engineering, conferences, entertainment venues, exhibitions and a series of audio equipment systems, and CDA200 is an essential product for the audio system.

OPERATION

The sound source for each input channel is provided from either an unbalanced connector or an unbalanced connector prior to the input buffer stage. As mentioned above, the "Left" and "Right" inputs can be combined into two outputs, "Left" input can separate into "Left" & "Right" output. CDA200 must be powered by phantom power for full operation for the sake of full efficiency. In "Sum" mode, the phantom power supply from the left output will also provide power to the right channel, but the power of the drive is lower. In order for the CDA200 to operate correctly in this mode, the left and right output channels are connected and powered by phantom power. In "Split" mode. There is no crosstalk power supply between channels. Therefore, when you connect only one output, you should connect to the "Left input". When the "Left" output is also powered by phantom power, the "Right" output only provides the signal.



Attention: When only one channel is connected, although the CDA200 will operate as a mono device, both channels must be powered, in order to use stereo, separate or combined modes.



The MTS series MIC Isolation Transformer Splitter are specially designed for studios, theaters and other two-level tuning systems, which can distribute any microphone signal to the two-level mixing console and recording system. Among them, MTS0103 is designed to be portable and adopts a universal XLR connector design, allowing users to easily change or rearrange the positions of input and output microphones. Each channel of this series of distributors has three sets of outputs: one set of straight-through outputs and two sets of transformer isolated outputs. The transformer isolation output is equipped with a ground wire switch, which is convenient to solve the noise caused by the ground wire. If the switch is in the Lift position, the ground wire is floating; otherwise, the ground wire is connected. Each line is equipped with a -20dB switch. Professional broadcast quality microphone distribution system, can provide demanding audio features, using a first quality audio isolation transformer; can provide to handle audio level signals up to +26dBu.

Application: Connect MIC output signal to mixer and isolated output signal to spared mixer/ recording mixer. Main reinforcement mixer can provide direct output with phantom power. Phantom power can transfer to microphone. So capacitor microphone can directly connect to MTS series MIC input.

FEATURES

MTS0103 has 1 balanced input, 1 -20dB switchable: 1 direct output, 2 isolation transformer output, and 2 ground separated selection switches.

- 1 microphone input, 3 signal distribution output
- Switchable between 0dB and -20dB
- Broadcast grade audio quality
- Operating level up to +26dBu
- Low distortion audio isolation transformer output
- One direct output, two output ground lines can be independently disconnected setting selection
- Highly integrated, rugged all-metal body
- Manufactured by military indicator perts
- Specially designed for mobile performance, director switch, studio, theater, etc

Front Panel Settings



Direct output
Microphone input
-20dB switch

Rear Panel Settings

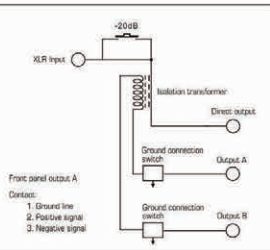


Isolation transformer output
Line out
Ground separation switch



TECHNICAL DATA

Frequency response	-0.2dB 20Hz~20kHz 0dB
Input level	Max +26dBu
Total harmonic distortion	0.004%(0 dBu 1kHz)
Loss PAD	-2dB(In most high impedance input devices, it can be regarded as no loss)
Output short-circuit loss	+1.2 dB
Settings	Isolation transformer XLR output, A, output B grounding selection; Isolation transformer output B
Size	L130mm*W118mm*H48mm
Weight	500g



MTS0824 & MTS1648

MIC Isolation Transformer Splitter



DESCRIPTION

MTS0824 is equivalent to 8 MTS0103; It has 8 balanced inputs, 8 -20dB switchable switches; 8 direct outputs, 16 isolation transformer outputs, and 16 ground separation selection switches.
MTS1648 is equivalent to 16 MTS0103; With 16 balanced inputs, 16 -20dB switchable switches; 16 direct outputs, 32 isolation transformer outputs, and 32 ground separation selection switches.

FEATURES

- 8 channel microphone inputs, 3 sets of 8 channel microphone (24 channel) outputs (16 channel microphone input, 3 sets of 16 channel microphones (48 channel) output)
- Broadcast grade audio quality
- Operation level up to +26dBu
- Specially designed for mobile performance, director switch, studio, theater, etc
- Low distortion audio isolation transformer output
- One direct output, two output ground lines can be independently disconnected setting selection
- Standard 2U-19 rack mounting
- The front and rear panels can also be mounted on the rack
- Highly integrated, rugged all-metal body
- Manufactured by military level parts
- Separate ground separation setting options



MTS0824



MTS1648

TECHNICAL DATA

Front Panel Settings



MTS0824



MTS1648

Rear Panel Settings



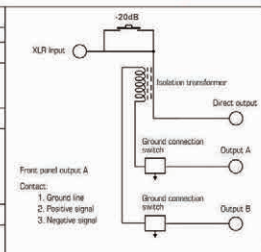
MTS0824



MTS1648

- Direct output
- Microphone input
- 20dB switch
- Isolation transformer output
- Line out
- Ground separation switch

Frequency response	-0.2dB 20Hz~20kHz 0dB
Input level	Max +26dBu
Total harmonic distortion	0.004%(0 dBu 1kHz)
Loss PAD	-2dB(In most high impedance input devices, it can be regarded as no loss)
Output short-circuit loss	-1.2 dB
Settings	Microphone input, direct output, transformer isolation output A, transformer isolation output B, ground separation switch A, ground separation switch B.
Size	L483mm*W104mm*H88mm
Weight	MTS0824:4.0kg MTS1648:5.2kg



Speakers

Proper choice of raw materials and detailed knowledge of acoustics deliver pristine sound and high efficiency when correctly designed transducers meet carefully tuned cabinets and meticulously designed electronics. Experience our range of loudspeakers.



ANDANTE V2 SERIES

Bi-amplified active moulded 2-way speakers | 4-Channel Mixer | Stereo Link



FEATURES

- Hybrid bi-amplified concept (class-D LF amp & class-AB HF amp)
- Vented acoustic design with high-efficiency woofer
- Compression driver with fatigue-free polyester diaphragm
- 4-Channel internal mixer with extra microphone and dual line inputs
- Tone adjustment and HPF for microphone input
- RCA & 3.5mm Mini TRS input for first stereo input
- Dual TRS for 2nd stereo input, with Hi-Z switch
- XLR main input | TRS parallel output | XLR link output

- Unique stereo link mode (keeps one/sends the other channel)
- Master volume control and 2-Band master EQ
- Thermal protection and limiter with control LED
- Light-weight impact-resistant Polypropylene (PP) plastic enclosure
- Asymmetric shape for use as main or monitor speaker
- Pole mount for 35mm tripods, stacking points on top and bottom
- Steel woofer protection grille and 2 carrying handles
- CE/ROHS compliant

SPECIFICATIONS

Model	■ SMA-1020V2	■ SMA-1220V2	■ SMA-1520V2
LF driver	10"/200W with 2" VC	12"/300W with 2.5" VC	15"/400W with 2.5" VC
HF driver	1"/25W Polyester Diaphragm	1"/25W Polyester Diaphragm	1"/25W Polyester Diaphragm
LF amplifier (EIA/RMS)	Class D (210W 150W)	Class D (345W 250W)	Class D (345W 250W)
HF amplifier (RMS)	Class AB (40W)	Class AB (40W)	Class AB (40W)
Amplifier protection	Overtemperature, Signal Limiter	Overtemperature, Signal Limiter	Overtemperature, Signal Limiter
Power supply	Switch Mode	Switch Mode	Switch Mode
Frequency response	55 Hz-20kHz	50 Hz-20kHz	45 Hz-20kHz
Max. SPL	125dB	125dB	128dB
Dispersion	120° x 60°	120° x 60°	120° x 60°
Size (Unit WxHxD)	327x490x300mm	385x576x348.5mm	467x708x407.5mm
Size (single carton) (SC)	335x565x360mm	465x650x365mm	520x790x490mm
Weight (Unit / SC)	11.5 kg 13.5 kg	15.25 kg 18.0 kg	19.75 kg 24.3 kg
Order Number	1302011	1302111	1302211
Single Unit EAN-13	5060502920838	5060502920843	5060502920850

CONCEPT

The Andante V2 line of active, light-weight moulded speakers strikes the best balance between portability, sound and versatility, and even exceeds its predecessor by adding higher driver efficiency and improved amplifier cooling for extreme ruggedness. The stylish and sturdy Polypropylene (PP) cabinet offers fully recessed controls and connections for extended damage avoidance, and features a 35mm pole mount on its bottom and stacking points on its top. An in-built 4-channel mixer with master volume and EQ, multiple source connection options, and a unique stereo link mode crosses the border between an active speaker and a portable PA system, making the Andante V2 one of the most versatile choices available. The redesigned precision transducers and the hybrid power amp provide a real punch; all included in one compact package, available in three form factors. Whether it be conference, event, or presentation: this speaker will serve all your needs.





GRAVO SWA-1510

800W Active Subwoofer | Class D Amplifier | 15" Driver

FEATURES

- 15" long-excursion driver, 2.5" voice coil, diecast basket, 800W power handling
- Max. SPL 132dB Peak
- 770 watts Class-D amplifier
- Fan-less convection cooling for silent operation
- Master volume control
- Subwoofer vs. master level control -12/+6dB
- Built-in 120/150Hz switchable low pass filter for internal woofer
- Built-in 120/150Hz switchable high pass filter for external satellites
- 0°/180° phase switch for subwoofer
- Power/Limit/Protection indicators
- Dual XLR / ¼" TRS combo inputs
- Dual XLR link outputs
- Dual XLR satellite outputs
- Solid 15mm birch plywood construction
- Structured scratch-resistant paint, black
- Integrated side handles, one per side
- All-metal speaker pole mount adaptor
- Recessed rear connection panel
- Rugged steel front grille
- CE/ROHS compliant



TECHNICAL DATA

Frequency response (-6 dB)	39Hz-150Hz
Additional switchable LPF	120Hz
LF Driver	15", 2.5" VC, 800W
Max SPL RMS/Program/Peak	126/129/132dB
Amplifier Topology	Class D
Amplifier power EIA/RMS	770/500W
AC IN	115/230V- 50Hz-60Hz (600W)
Dimensions	W450.0xD500.0xH550.0 mm
Material	15mm birch plywood
Surface	Scratch-resistant paint, black
Weight	25.4 kg

LOGISTICS DATA

Order Number	1303301
Single unit EAN-13	5060502921291
Single Carton size	530x580x630mm
Single Carton gross weight	26.2kg
Units per master carton	1
Master carton size	same as SC
Master carton gross weight	same as SC

CONCEPT

The Gravo SWA-1510 active subwoofer complements the Andante series of moulded speakers to perfection, adding the low bass punch that can only be obtained from a powerful driver in a solid wooden enclosure. Being a direct-radiating, vented design, it's perfect for short-throw applications. A 15" driver with 2.5" voice coil and an optimized magnetic motor system provides great power efficiency, and adding the 770W class D amplifier module, it delivers an impressive low-end performance with high maximum SPL. Connection to sources and integration into systems is simple, with a stereo input provided, which is carried forward to a link output as well as a satellite output, the latter subject to high-pass filtering (120/150Hz switchable). In this way, one or two satellite speakers can be connected, running the system in mono or stereo; further systems can easily be daisy-chained. The total system volume is adjustable, and the sub volume can be shifted against the main volume from -12 to +6dB. Made from 15mm birch plywood, carefully assembled and finished with extremely scratch-resistant black paint, this subwoofer is ready for the rigours of the road as well as the aesthetic requirements of installations.

DGA-2210

Portable Multifunction Guitar Amplifier Speaker



CONCEPT

DGA-2210 is a 270° listening guitar amplifier speaker without dead angle. Big touchable LCD screen is new innovation to the guitar amplifier speaker and with very powerful DSP ADAU1452 and ADC/DAC AD1939 from ADI building in. it makes DGA-2210 with very good effects not only for guitar player but also for singer.



FEATURES

- AUDIO INPUTS
 - Mic : 40dB Gain.XLR electronically balanced and unbalanced input.
 - Inst: 40dB Gain.TRS electronically balanced and unbalanced input.
 - Line in: 0dB Gain.unbalanced input
- INPUTS impedance
 - Mic : 2.7 Kohm
 - Inst : 1 Mohm
 - Line : 47 Kohm
- Output Power
 - Rated Output Power: Max.120W @ 10% THD
 - Headphones Power: Max.80mW @ 32 Ohm/1% THD

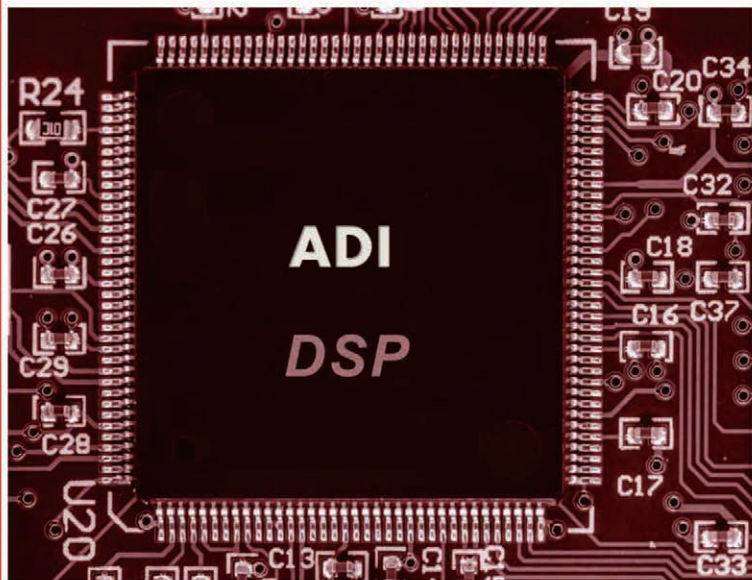
TECHNICAL DATA

Signal-to-noise ratio(S/N) > 80dB(Line)
Power source.....DC 28V
Power consumption.....0W/ 160 W (off/ max)

LOGISTIC DATA

Size (WxHxD)395x300x285mm
Weight.....9.00kg net with power supply

Professional DSP Processors



DAP8800

Professional DSP Audio Processor | 8 In 8 Out / Dante/AES67



CONCEPT

The DSP uses ADI SHARC 21489's processing chip which is based on a 64-bit floating-point DSP engine and a powerful digital audio signal processing platform. This series of products provides a wide range of digital processing tools for audio system design/configuration and optimization. DSP Controller software can fully control and manage the entire series of DSP as well as all its processing functions which are mainly including AFC, AEC, ANS, ANC, AM, AGC, Ducker, PEQ, GEQ, delay, crossover etc.

The intuitive graphical interface is the main component of DSP Controller software which can quickly and easily view all signal channels in a single window. In this user-friendly environment, the audio system designer or installer is able to clearly view and adjust all the input levels/audio DSP processing parameters/mixing relationships and output levels.

FEATURES

- Processor: ADI SHARC 21489@450 MHz SIMD;
- DSP processing capacity: 400 MIPS, 1.6 GFLOPS;
- Input sensitivity: 17 levels adjustable, up to 48dB;
- Phantom power: 48V / Max 10mA;
- Configurable processing software: each channel according to the requirements to replace the processing module;
- Devices to operate online at the same time: 8pcs at least;
- Maximum 4-channel independent AEC, maximum echo time: 512ms;
- Convergence rate: 60dB / s;
- Echo elimination amplitude: 60dB;
- The AFC (feedback suppression) of the independent channel: using the notch-type algorithm; The sound transmission gain increase range: 10dB;
- Adaptive noise suppression (ANS): no need to rely on a huge noise feature database. Built-in noise elimination technology can make the sound acquisition signal to noise ratio increased by 15dB;
- Automatic gain (AGC): -6dB to 18dB when automatic control signal waveform and tone in the appropriate range;
- Automatic equilibrium control: -12dB to 12dB;
- Ducker, ANC, AM, threshold automatic mixing (Gate Mixer): 12 English parameter balance. Providing 5 filter choices: Parametric, Lowshelf, Highshelf, Lowpass, Highpass;
- Provide end-user customized operation interface;
- Support up to 30 devices with the same interface management;
- Built-in USB sound card;
- Support music playback;
- Recording and video conference (such as ZOOM/Tencent conference/ nail conference etc.);
- Central control function: control the power supply/signal switching/environment control and audio system

TECHNICAL DATA

Processor: ADI SHARC 21489
Sampling rate/quantization bit: 48K/24bit
DSP floating point engine: 40bit
Number of analog input and output channels: 8 x 8
Number of Dante input and output channels: 8 x 8
Input gain: 0/3/6/9/12/15/18/21/24/27/30/
33/36/39/42/45/48 dBu
Phantom power supply: +48V/10mA max
Frequency response (20~20KHz): ± 0.3 dB
Maximum level: +18dBu
THD+N: < -95dB @ 17dBu
Input dynamic range: 113dB
Output dynamic range: 113dB
Channel isolation @ 1kHz: 108dB
Input impedance (balanced connection): 5.4K Ω
Output impedance (balanced connection): 800 Ω
System delay: < 3ms
Working power supply: AC 110~240V, 50Hz/60Hz

LOGISTICS DATA

Single Carton size:540x340x86mm
Master carton size:555*445*355mm
Single gross weight:3.8KG
Master carton gross weight:20.3Kg



DPX-4800

Powerful DSP Speaker Management System | 4 In 8 Out | FIR HP/LP/Band-Pass Filters



CONCEPT

TECHNICAL DATA

Power range: AC supply 100V-260V~ 50Hz-60Hz	
THD+N.....	<0.005% @ 10Hz-25KHz
SNR.....	>118dB @ 1%THD +10Hz-25KHz
Frequency response.....	±0.2dB 10Hz-25KHz
Max. Input level.....	+20dBu/7.75Vrms
Max. Output level.....	+20dBu/7.75Vrms
Dimensions.....	W483xD295xD440mm
Weight.....	2.20 kg

LOGISTICS DATA

Single Carton size.....	608*345*90mm
Single Carton gross weight.....	2.7kg
Units per master carton.....	4
Master carton size.....	628*390*375mm
Master carton gross weight.....	11.7kg

DPX4800 is a 4-IN/8-OUT digital speaker management system. Designed to be catered for any crossover configuration, it provides the suitable processing and control necessary for both live and fixed installation use. It offers 4 analog inputs, 8 analog outputs, managed by a powerful ADI DSP, in addition to high performance 24 bit AD and 32 bit DA Converters.

Each input channel provides a choice of EQ with 12-band Parametric EQ and Dynamic EQ, Gain control, Noise Gate Function, Expander and configurable Delay. Each output offers up to 16-band of parametric EQ, Gain control, Noise Gate function, RMS Compressor and configurable Delay, in addition to the crossover filters which themselves provide slopes from 6dB/Octave up to 48dB/Octave. Each output path also features Peak Limiter, FIR HP/LP/Band-pass Filters.

The DPX4800 supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. For remote configuration and control the DPX4800 can be connected via USB or RS485 connections. The control remote PC software allows simultaneous control up to 50 units, setting all parameters and showing real time levels.

FEATURES

- Testing signal: Independent sine wave/white noise/pink noise selection on each channel
- Input EQ: 12band(parameter/hi-low shelf/Allpass)+3band dynamic EQ
- Extender: Threshold/Ratio/Attack time/Release time can be adjusted
- High pass type: Linkwitz/Bessel/Butterworth 6/12/18/24/30/36/42/48dB
- Low pass type: Linkwitz/Bessel/Butterworth 6/12/18/24/30/36/42/48dB
- Adjustable delay: 1200ms on each channel/precision at 0.01ms
- Group delay: 2.8ms@96KHz/1.2ms@192KHz
- Level meter: LCD dynamic indication



Power Amplifiers

Combining sonically perfect circuitry with careful thermal design, complemented by a sturdy mechanical structure, delivers what a good power amplifier is all about: sound and reliability. A standard Hill amplifiers are known for since the times of the DX&LC models in the 1980's.





LPA Series

Digitally Controlled Linear Power Amplifiers



FEATURES

- Linear amplifier with bipolar transistors, 2Q stable
- Class AB or H topology (depending on model)
- Stereo, parallel mono and bridge operation modes
- Toroidal transformer
- Temperature-controlled fan cooling
- 71-segment 3-color LCD display with level meter, temperature readout and status indication
- Digitally controlled limiter and input high-pass filters
- Front-detachable air ventilation filter frame
- XLR/Combo/TRS+Phoenix inputs (depending on model)
- Speaker-compatible outputs & binding posts
- IEC or PowerCon AC input (depending on model)
- Resettable Circuit breaker (depending on model)
- CE/ROHS compliant

The LPA power amplifier range is a new unique hybrid approach to amplification, using proprietary digital control of limiters and filters while retaining a purely analogue signal path. This provides high dynamic reserves without compromising tonal purity. Proven linear power supply technology yields predictability at any power level. A large 3 colour LCD display clearly indicates the status at any time, and is legible from long distances. The LPA series is available in 6 different power levels.

CONCEPT

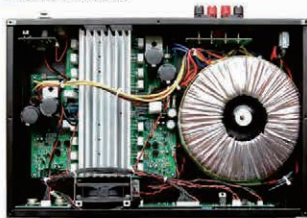


Rear View Models 500 | 800



Rear View Models 1400 | 1800 | 2400 | 3000

SPECIFICATIONS



Param/Model	■ LPA-500	■ LPA-800	■ LPA-1400	■ LPA-1800	■ LPA-2400	■ LPA-3000
Power x2 @8 4 2Ω	125 200 300 W	200 300 430 W	280 450 700 W	360 600 900 W	500 750 1200 W	650 1000 1500 W
Power (Bridge) @8 4Ω	400 500 W	600 800 W	900 1400 W	1200 1800 W	1500 2400 W	2000 3000 W
Damping Factor	>300	>300	>300	>300	>300	>300
Frequency Response	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB
THD	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%	<0.03%
Circuit	Class AB	Class AB	Class AB	Class H	Class H	Class H
Fan	x 1	x 1	x 1	x 1	x 1	x 2
Audio Input	XLR + TRS + PhX	XLR + TRS + PhX	Combo + XLR + PhX	Combo + XLR + PhX	Combo + XLR + PhX	Combo + XLR + PhX
AC Input / Fuse	IEC I Cartridge	IEC I Cartridge	PowerCon I Breaker	PowerCon I Breaker	PowerCon I Breaker	PowerCon I Breaker
Size (Unit) WxHxD	W483xH88xD268mm	W483xH88xD268mm	W483xH88xD395mm	W483xH88xD395mm	W483xH88xD395mm	W483xH88xD395mm
Size single carton (SC)	600x190x400mm(IMC)	600x190x400mm(IMC)	600x190x400mm(IMC)	600x190x560mm(IMC)	600x190x560mm(IMC)	600x190x560mm(IMC)
Weight Unit 1 SC (IMC)	11.2 13.5 (IMC) kg	13.3 15 G (IMC) kg	16.2 18.5 (IMC) kg	19.4 22 G (IMC) kg	20.4 23 G (IMC) kg	21.8 25.0 (IMC) kg
Order Number	2006501	2006511	2006521	2006531	2006541	2006551
Single Unit EAN-13	5060502920720	5060502920737	5060502920744	5060502920751	5060502920768	5060502920775

QPA-2800

Digitally Controlled Linear 4-Channel Power Amplifier



CONCEPT

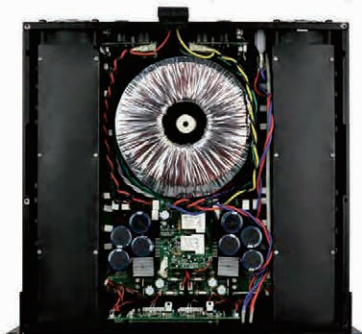
The QPA-2800 follows contractor requirements for a compact, powerful and easy-to-handle 4-channel amplifier to drive multichannel low-impedance loads. Built on the proven LPA series' technology, this amplifier basically comprises of two LPA-1400 in one case. Each pair of channels can be run in stereo, bridge or parallel mono mode. A newly designed high-CMRR input circuit proves useful where source and amplifier are far apart. The LPA-based hybrid approach to amplification, using proprietary digital control of limiters and filters while retaining a purely analogue signal path, gives high dynamic reserves without compromising tonal purity. Proven linear power supply technology yields predictability at any power level. Two large 3 colour LCD displays clearly indicate the status at any time, and are legible from long distances. Sources can be connected via Combo input sockets or 3.5mm Phoenix terminals, and loads can be connected both via Speakon and via terminal strips.

LOGISTICS DATA

Order Number.....	2008401
Single unit EAN-13.....	5060502920799
Single Carton size.....	580x545x170mm
Single Carton gross weight.....	25.2kg
Units per master carton.....	1
Master carton size.....	600x560x190mm
Master carton gross weight.....	27.4kg



Rear View (without screw terminal cover)



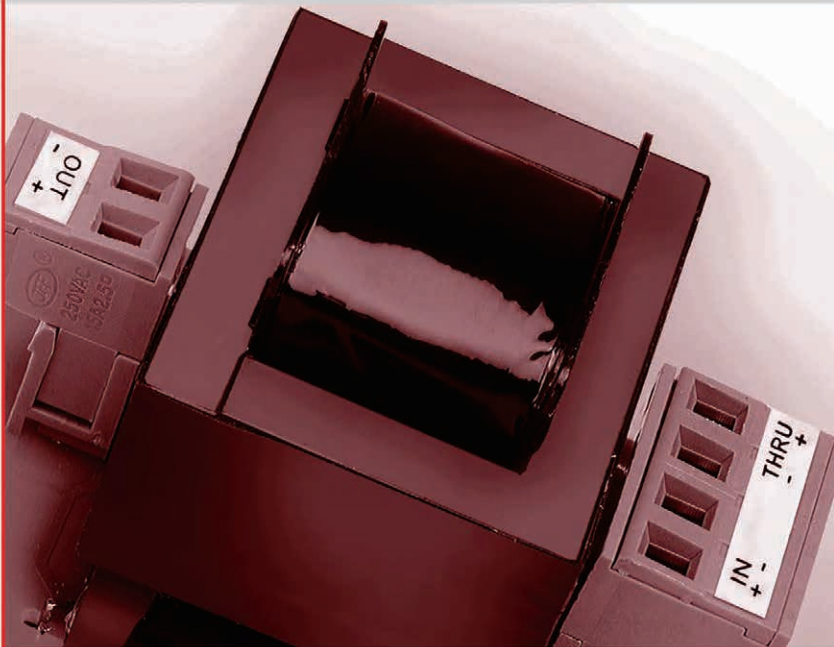
- Linear quadruple amplifier, 2+2 dual block design
- Class AB bipolar topology, 2 Ω stable
- Dual stereo, parallel mono and bridge operation modes
- Toroidal transformer
- Temperature-controlled dual fan cooling
- Two 71-segment 3-color LCD displays with level meter, temperature readout and status indication
- Digitally controlled limiter and input high-pass filters
- Ultra-high CMRR input circuit
- Combo & Phoenix-compatible input sockets
- Speakon-compatible & terminal strip outputs
- PowerCon AC input with resettable circuit breaker
- Front-detachable air ventilation filter frames
- Full metal case with detachable rack ears
- CE/ROHS compliant

TECHNICAL DATA

Power x4 (RMS) @ 8 4 2 Ω	280 450 700 W
Power x2 (RMS Bridge) @ 8 4 Ω	900 1400 W
Damping Factor.....	>300
THD.....	<0.03%
Frequency response.....	20Hz ~ 20 kHz
AC IN (230V version).....	AC220-250V~ 50Hz
AC IN (115V version).....	AC110-120V~ 60Hz
Dimensions.....	W463.0xH68.0xD425.0mm
Weight.....	24.20 kg

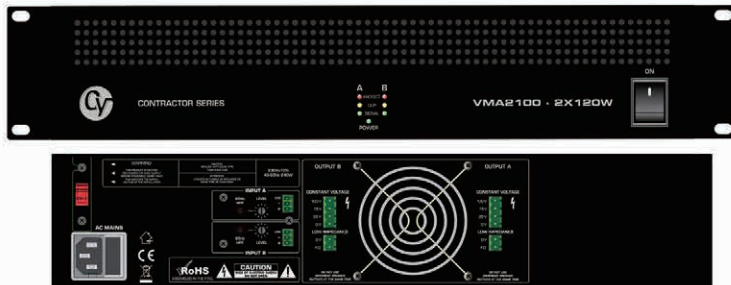
Installation Amplifiers

With a broad choice from both low-impedance models for smaller venues and 100V models for larger installations, and all options from amplifier-only to fully fledged media amplifiers covered, our range of installation amplifiers is one of the most versatile ones available today.



VMA2100

Contractor series



DETAILS

The VMA2100 is a cost-effective audio power amplifier for use in all types of commercial premises. They have been designed to be as simple to install and operate as possible. The VMA2100 is a 2 channel Amplifier which can deliver 120 W per channel. The amplifier can drive either low-impedance loudspeakers directly (4 ohms minimum) or 25/70/100V line loudspeaker distribution systems.

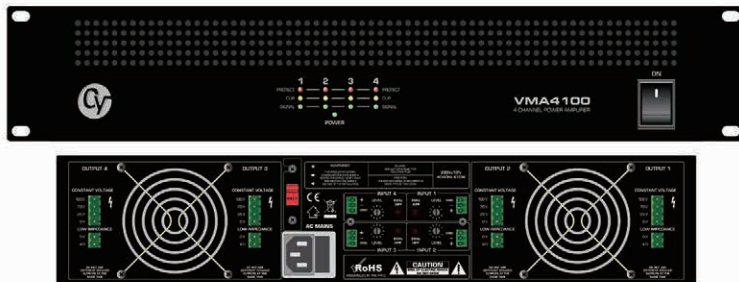
FEATURES

- Power output: 120 W/channel
- Outputs suitable for either low-impedance (min. 4 ohm) or 25/70/100 V-line systems
- Balanced inputs with per-channel gain preset controls
- Per-channel 65 Hz high-pass filter, for use with 25/70/100 V-line systems
- Per-channel limiter – prevents clipping
- Over-temperature and output DC protection
- 230 V or 115 V operation
- Forced-air cooling



VMA4100

4 Channel Power Amplifier



DETAILS

The VMA4100 is a cost-effective audio power amplifiers for use in all types of commercial premises. They have been designed to be as simple to install and operate as possible. The VMA4100 is a 4 channel Amplifier which can deliver 120 W per channel. The amplifier can drive either low-impedance loudspeakers directly (4 ohms minimum) or 25/70/100V line loudspeaker distribution systems.

FEATURES

- Power output: 120 W/channel
- Outputs suitable for either low-impedance (min. 4 ohm) or 25/70/100 V-line systems
- Balanced inputs with per-channel gain preset controls
- Per-channel 65 Hz high-pass filter, for use with 25/70/100 V-line systems
- Per-channel limiter – prevents clipping
- Over-temperature and output DC protection
- 230 V or 115 V operation
- Forced-air cooling



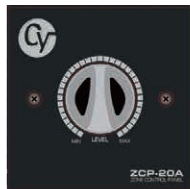
DESCRIPTION

- Ease of installation and product operation with 1RU-sized compact design, ideal for commercial and industrial applications needing background music and/or a public address system.
- 4 line inputs with individual volume controls (each input is equipped with a level knob and a signal indicator for straightforward operation monitoring).
- EQ controller with adjustable HIGH and LOW tone controls, which can be customized to meet specific audio needs and user preferences.
- Features additional AUX IN and AUX OUT interfaces for flexible audio signal routing and integration.
- Input 1 comes with a priority switch and mute function, supporting advanced public address scenarios where priority audio signals need to be prioritized.
- The signal status of Input 1~4 is indicated individually, enabling easy checkup of the operation status of each channel.
- Provides multiple output options (70V, 100V) and mono sum interfaces, suitable for various speaker system configurations and installation requirements.

ZCP-20A Zone Control Panel

ZCP-20A is a dedicated wall-mounted zone control panel designed for the CMA1100, featuring a compact and minimalist design ideal for wall installation in commercial and industrial environments.

- **Intuitive Volume Control:** Equipped with a large-diameter LEVEL knob, it allows precise volume adjustment for the CMA1100 within the range of MIN to MAX, enabling users to customize audio loudness according to specific zone requirements.
- **Reliable Connectivity:** It connects to the CMA1100 via fiber optic and network cable ports, ensuring stable and real-time remote volume control with high signal transmission reliability.
- **Application Scenarios:** Suited for multi-zone audio systems in scenarios like shopping malls, office buildings, and public spaces, it works seamlessly with CMA1100 to provide end-users with convenient local volume adjustment, enhancing the flexibility and user experience of the audio system.



**CMA2240**

Installation mixer amplifier



DESCRIPTION

- Ease of installation and product operation with 1RU-sized compact design, ideal for commercial and industrial applications needing multi-zone background music, public address, and media playback systems.
- Multiple audio inputs including 1 mic input, 3 channel inputs (CH1~CH3), and a media module with USB, Bluetooth, player, and FM tuner functions, enabling versatile integration of various audio sources.
- Each mic/channel input is equipped with individual level controls and LOW/HIGH EQ adjustments, allowing precise audio tuning for different sources.
- Features a digital display and media control module (with play/pause function) for intuitive operation of media playback, time, and source status.
- Dual-output sections (MAIN OUT and ZONE OUT) with independent level and EQ controls, supporting multi-zone audio distribution and customization.
- Equipped with priority switch, 48V phantom power, FM aereals, and Bluetooth connectivity, catering to advanced public address and wireless audio scenarios.
- Includes output mute, remote volume control ports, and comprehensive signal indicators, facilitating easy monitoring and management of the audio system.



Empower Your Audio Mastery with Wall Panels! New Panels are designing for this device!

DPA-2250/DPA-2350/DPA-2500

Two-channel Class D power amplifier



DESCRIPTION

1U digital power amplifier series is widely used in government buildings, stadiums, stations, airports, rail subway and other large public places of conference broadcast sound reinforcement system equipment. This power amplifier is specially developed for public broadcasting field. Ultra-thin body structure design, a variety of power, multiple channels for the actual needs of the project flexible choice, with small size, high output power, low heat, easy to use, high cost performance and other characteristics. Using our company's latest CLASS-D power amplifier technology, the sound is sweet and the protection function is perfect, the stability is high thus this leads power amplifier to adapt to a variety of complex, extreme environment. Rich interfaces including balanced/unbalanced connection, working status indicator, energy saving mode, high pass mode, constant voltage/constant resistance output, etc. provides users with a more natural, clearer, more realistic sound experience effect and the best choice of products in the real use of background music and amplified voice.

FEATURES



- High inverter energy saving switching mode power supply, super performance Class D low power amplifier;
- 1U chassis, 19 inch cabinet space, small consumption, less heat;
- Front panel with signal, protection, peaking, output, signal independent green/orange LED light and power input with blue light.
- Complete short circuit, overload, high temperature, peak clipping and DC protection;
- Built-in low cut pressure limiter effectively filters out unnecessary frequency response 20Hz-20K Hz music signals; More stable and reliable, clearer sound;
- With double balanced/unbalanced signal input, double channel rated power 2*500W;
- Amplitude adjustment and compensation with independent input gain control signal (-3dB-0db range adjustable VOL LEVEL);
- High/low impedance, dual switching impedance balanced voltage output 4Ω/8Ω/70V/100V low impedance speaker;
- With high resistance filter and sleeping mode dip switch, it can make the full frequency of the sound amplification output has no lower limit, and the broadcast intermediate frequency is clearer and brighter;
- With automatic temperature control cooling fan, forced air cooling. The cooling fan draws air from the side and exits it from the back. Don't block the air in/out ports;
- This power amplifier can be with or without DC 24V version. If with DC 24V power input port, 100V to 240V AC input can be switchable and voltage adaptation range protection is at 20-27.5V. This way can avoid long-term exhaustion of the standby battery;
- The output load can be set via the DIP switch;
- Built-in automatic standby function saves power consumption. When there is no audio signal input, the power amplifier circuit stops working and the power supply circuit continues to work, so as to save power, reduce temperature rise and improve product life. Automatically exits the energy saving mode when there is a signal input;
- MONO button, can achieve the function of 1 in 2 out.



DPA-2250/DPA-2350/DPA-2500

Two-channel Class D power amplifier

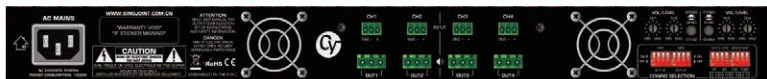


TECHNICAL DATA

Model	DPA-2240	DPA-2350	DPA-2500
Product description	Class d two-channel power amplifier		
Output rating	2X240W	2X350W	2X500W
Speaker output	4Ω/8Ω/70V/100V		
Frequency response	L/H Cut OFF 20Hz-20KHz (+1/-2dB) L/H Cut ON 70Hz-10KHz (+1/-3dB)		
Input	0.775V, 0dBu, phoenix terminal with two-channel balanced input		
Input impedance	10KΩ		
THD	<0.1% (1KHz/-3dBv, 400W)		
SNR	>80dB		
Interference	>60dB, 1KHz, Max output		
Power consumption	550w	800w	1200w
Power supply	100V-240V switchable, 50-60Hz		
Size	482(W)x420(D)x44(H) mm		
Weight	7.5kg	8kg	8.5kg

DPA-4240

Four-channel Class D power amplifier



DESCRIPTION

1U digital power amplifier series is widely used in government buildings, stadiums, stations, airports, railway subway and other large public places for conference broadcast sound reinforcement system equipment. This power amplifier is specially developed for the public broadcasting field. With 1U chassis structural design and four-channel configuration, it adopts the latest Class D power amplification technology. The sound is sweet, the protection function is perfect, and the stability is high, thus enabling this power amplifier to adapt to a variety of complex and extreme environments. Rich interfaces including balanced/unbalanced connection, working status indicator, energy-saving mode, constant voltage/constant resistance output, etc., provide users with a more natural, clearer and more realistic sound experience, making it an optimal choice for applications such as background music and amplified voice.

FEATURES

- High-efficiency energy-saving switching mode power supply, with superior Class D performance, low power consumption and less heat generation.
- 1U chassis, 19-inch cabinet space, realizing space-saving installation.
- Front panel with circuit, overload, clipping, output signal (green/orange LED lights) and power input (blue light) indicators.
- Built-in limiter effectively filters redundant frequency components in 20Hz-20KHz music signals, delivering more stable, reliable and clearer sound.
- With double balanced/unbalanced signal input, four-channel rated power 4×60W (total 240W), ensuring powerful and flexible audio output.
- Amplitude adjustment and compensation, with independent gain control for balanced input, and adjustable VOL LEVEL in the range of -3dB-0dB.
- High/low impedance dual switching, with balanced output optional for 8Ω/100V/1-4Ω/100V impedance speakers.
- The broadest intermediate frequency cooling fan and forced air cooling design. The cooling fan draws air from the front of the chassis and exits from the back. Do not block the air inlet ports.
- With automatic temperature control, the sound is clear and bright.
- Phoenix terminal with output, XLR balanced input.
- Built-in automatic standby function: when there is no audio signal input, the power amplifier circuit stops working while the power supply circuit continues to work, so as to save power, reduce temperature rise and improve product life. It automatically exits the energy-saving mode when there is a signal input.
- Four-channel independent protection including high temperature, peak clipping and DC protection, ensuring stable and reliable operation of each channel.



IPA-200V2

2x80W LowZ Amplifier | Convection Cooling



TECHNICAL DATA

Power (RMS) stereo.....2x50/80 @ 8/4 Ohms
 Signal/Noise.....> 82dB (Line)
 Crosstalk Damping.....> 65dB (Line)
 THD.....<0.05% (Line)
 Frequency response.....20Hz - 20 kHz
 AC IN (230V setting).....AC220-250V - 50Hz
 AC IN (115V setting).....AC110-120V - 60Hz
 Power consumption.....max. 200W
 Dimensions.....W483.0xH44.5xD228.0mm
 Weight.....5.60 kg

LOGISTICS DATA

Order Number.....2006171
 Single unit EAN-13.....5060502920324
 Single Carton size.....535x350x90mm
 Single Carton gross weight.....6.4kg
 Units per master carton.....4
 Master carton size.....560x375x390mm
 Master carton gross weight.....26.7kg

The IPA-200V2 is an ultra-versatile power amplifier for installation purposes. It can serve both as a stereo and as a dual-mono amplifier, and the inputs can even be configured to sum two stereo signals into two mono signals in case that a source is stereo but a mono zone needs to be fed. Input high-pass filters and 2-band EQs are available separately for each channel to cater for driving speakers with limited bass response like ceiling speakers. Rear-side maximum volume controls avoid that certain volumes can be exceeded, and the front-panel volumes controls can be completely disabled if needed. The IPA-200V2 is the most versatile low-impedance installation amplifier available.

CONCEPT

FEATURES

- Dual channel installation power amplifier
- Two independent mono amplifier blocks with 80W@40Ohms / 50W@80Ohms RMS power each
- Phoenix-compatible speaker outputs
- Stereo and parallel mono operation modes of the two mono blocks
- Mono-summing option for two incoming stereo signals allowing to process two stereo signals into two mono signals and send them to one amplifier block each for mono zoning
- 2-Band-EQ, 40Hz and 80Hz HighPass filters for each amplifier block input
- Balanced (XLR and Phoenix) and unbalanced (RCA) inputs
- 1/4" TRS line-level outputs in parallel to inputs
- Front-side volume control with 41-click precision potentiometers
- Additional rear-side volume control for each block to limit the maximum volume
- Front-side volume controls can be disabled by rear-side switch
- 2x10LED front-side level meter
- Noiseless convection cooling
- Over-temperature protection
- Linear power supply with toroidal transformer
- Full metal case with detachable rack ears
- Internal AC mains voltage setting 115/230V
- CE/ROHS compliant



IMA-200V2 (B)

One - or Two-Zone Amplifier | Media player | FM Tuner | Bluetooth Option



Picture shows version with Bluetooth option

CONCEPT

The IMA-200V2 is the one-stop solution for many small commercial venues such as shops, offices, bars and cafés. It combines MP3 replay and FM tuner reception as music sources with a microphone input and a high-headroom power amplifier in one compact unit. Apart from its main output, an additional zone output is available. Depending on the application, the unit can be configured to either use the internal amplifier as a stereo amplifier and an external amplifier for the zone signal, or to use the internal amplifier as a dual mono unit, one for the main and one for the zone signal. A music on-hold output allows to feed the unit's music program into a telephone system. Adding the seamless integration with fire evacuation systems, the IMA-200V2 is the choice of any discerning venue operator. Also available with additional built-in Bluetooth module as IMA-200V2B.

FEATURES

- Mixer section with one music and one microphone source
- Music source switchable between internal media player/tuner, 3 rear-side connected line sources (with gain control) and one front-side 3.5mm stereo TRS line input
- Internal media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs, MP3 file name readout on large LCD display, regular and random play sequence, elapsed/remain time mode, FM tuner mode with RDS station display, single player with up to 3 jingles and additional scheduled play mode
- Microphone input with phantom power, isolation transformer, low-pass filter, rear-side gain control, front-side volume control, front-side on/off switch and 2-band-EQ
- Adjustable auto talk-over for automatic microphone priority
- Master section with 41-click volume control and 2-Band EQ
- Additional rear-side maximum level control for master
- Zone section with separate volume control assignable to master signal or to two of the rear-side line inputs
- Two independent internal mono amplifier blocks with RMS power of 80W@4Ω / 50W@8Ω each
- Amplifier blocks can be assigned to carry master stereo signal or mono master and mono zone signal each

- Noiseless convection cooling
- Over-temperature protection
- Linear power supply with toroidal transformer
- Internally selectable 80Hz high pass filter for every amplifier block
- Binding post speaker outputs
- Preamp output configurable to carry same signal as internal amplifier block inputs or zone signal in stereo
- MOH (music on hold) output with adjustable music and mic levels, isolation transformer and selectable music source from any of the 4 line inputs
- Emergency priority input and output mute contact for external output muting/emergency message priority
- Output mute contact to externally mute the output
- Full metal case with detachable rack ears
- Internal AC mains voltage setting 115/230V
- CE/ROHS compliant
- Available as IMA-200V2 without Bluetooth module and as IMA-200V2B with Bluetooth module



TECHNICAL DATA

Power (RMS) stereo.....	2x50/80 @ 8/4 Ohms
Signal/Noise.....	> 82dB (Line)
Crosstalk Damping.....	> 65dB (Line)
THD.....	< 0.05% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN (230V setting).....	AC220-250V - 50Hz
AC IN (115V setting).....	AC110-120V - 60Hz
Power consumption.....	max. 200W
Dimensions.....	W483.0xH44.5xD28.0mm
Weight.....	5.80 kg

LOGISTICS DATA

IMA-200V2 (without Bluetooth module)	
Order Number.....	2006111
Single unit EAN-13.....	5060502920676
IMA-200V2B (with Bluetooth module)	
Order Number.....	2006121
Single unit EAN-13.....	5060502920683
Single Carton size.....	535x350x90mm
Single Carton gross weight.....	6.6kg
Units per master carton.....	4
Master carton size.....	560x375x390mm
Master carton gross weight.....	27.5kg



IMA-400V2 (B)

One - or Two-Zone Amplifier | Media player | FM Tuner | Bluetooth Option



Picture shows version with Bluetooth option

CONCEPT

The IMA-400V2 media amplifier combines a MP3 player, a FM Tuner and a multitude of microphones and stereo sources with a high-headroom stereo power amplifier in one compact unit. Add a VCA volume remote control option for its main output, the IMA-400V2 extends its applications into venues with more complex requirements. With the additional zone output, the unit can be configured to either use the internal amplifier as a stereo amplifier and an external amplifier for the zone signal, or to use the internal amplifier as a dual mono unit, one for the main and one for the zone signal. A music on-hold output allows to feed the unit's music program into a telephone system. Adding the seamless integration with fire evacuation systems, the IMA-400V2 is the default choice of any mid-scale venue operator. Also available with additional built-in Bluetooth module as IMA-400V2B.

FEATURES

- Mixer section with 1x music and 3x microphone sources
- Music source switchable: Media player/tuner, 3 external line inputs (with gain control) and front-side 3.5mm TRS line input
- Internal media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs, MP3 file name readout on large LCD display, regular and random play sequence, elapsed/remain time mode, FM tuner mode with RDS station display, single player with up to 3 jingles and additional scheduled play mode
- Microphone inputs with phantom power, isolation transformer (only Mic 1), LPF & Gain (rear), volume & EQ controls (front) and on/off switch
- Adjustable auto talk-over for automatic music level reduction
- Master section with 2-Band EQ plus 5-LED output level meter
- Additional rear-side maximum level control for master
- Remote volume control option via external potentiometer
- Chime sound generator with adjustable volume, external trigger and user-loadable sound on memory card
- Zone section with separate volume control assignable to master signal or to two of the rear-side line inputs
- Two independent mono amplifier blocks with 160W@4Ohms / 100W@8Ohms RMS power each
- Noiseless convection cooling and over-temperature protection
- Linear power supply with toroidal transformer
- Amplifier blocks can be assigned to carry master stereo signal or mono master and mono zone signal each
- Internally selectable 80Hz HPF for every amplifier block
- Binding post speaker outputs
- Preamp output (configurable 2nd master or zone)
- MOH (music on hold) output with adjustable music and mic levels, isolation transformer and selectable music source
- Emergency priority input and output mute contact for external output muting/emergency message priority
- Full metal case with detachable rack ears
- Internal AC mains voltage setting 115/230V
- CE/ROHS compliant
- Available as IMA-400V2 without Bluetooth module and as IMA-400V2B with Bluetooth module



TECHNICAL DATA

Power (RMS) stereo...2x100/160@8/4 Ohms
 Signal/Noise.....> 82dB (Line)
 Crosstalk Damping.....> 65dB (Line)
 THD.....< 0.05% (Line)
 Frequency response.....20Hz - 20 kHz
 AC IN (230V setting).....AC220-250V - 50Hz
 AC IN (115V setting).....AC110-120V - 60Hz
 Power consumption.....max. 350W
 Dimensions.....W483.0xH88.5xD228.0mm
 Weight.....tba kg

LOGISTICS DATA

IMA-400V2B (with Bluetooth module)
 Order Number.....2007701
 Single unit EAN-13.....5060502920300
 Single Carton size.....535x350x180mm
 Single Carton gross weight.....9.85 kg
 Units per master carton.....2
 Master carton size.....560x390x375mm
 Master carton gross weight.....20.9 kg

IMA-202V2 (B)

One - or Two-Zone Wall Amplifier | Media player | FM Tuner | Bluetooth Option



CONCEPT

The IMA-202V2 is a wall-mount version of the popular IMA-200V2 rack-mount media amplifier, perfect for all locations where no rack space is available, like in small retail outlets or coffee shops. It combines MP3 replay and FM tuner reception as music sources with a microphone input and a high-headroom power amplifier in one compact unit.

Apart from its main output, an additional zone output is available. Depending on the application, the unit can be configured to either use the internal amplifier as a stereo amplifier and an external amplifier for the zone signal, or to use the internal amplifier as a dual mono unit, one for the main and one for the zone signal.

A music on-hold output allows to feed the unit's music program into a telephone system. Adding the seamless integration with fire evacuation systems, the IMA-202V2 is the perfect all-in-one solution for applications with space limitations.

Also available with additional built-in Bluetooth module as IMA-202V2B.

FEATURES

- Mixer section with one music and one microphone source
- Music source switchable between internal media player/tuner, 3 rear-side connected line sources (with gain control) and one front-side 3.5mm stereo TRS line input
- Internal media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs, MP3 file name readout on large LCD display, regular and random play sequence, elapsed/remain time mode, FM tuner mode with RDS station display, jingle player with up to 3 jingles and additional scheduled play mode
- Microphone input with phantom power, isolation transformer, low-pass filter, rear-side gain control, front-side volume control, front-side on/off switch and 2-band-EQ
- Adjustable auto talk-over for automatic microphone priority

- Master section with 41-click volume control and 2-Band EQ
- Additional rear-side maximum level control for master
- Zone section with separate volume control assignable to master signal or to two of the rear-side line inputs
- Two independent internal mono amplifier blocks with RMS power of 80W@40Hz / 50W@60Hz each
- Amplifier blocks can be assigned to carry master stereo signal or mono master and mono zone signal each
- Noiseless convection cooling
- Over-temperature protection
- Linear power supply with toroidal transformer
- Internally selectable 80Hz high pass filter for every amplifier block
- Binding post speaker outputs

- Preamp output configurable to carry same signal as internal amplifier block inputs or zone signal in stereo
- MOH (music on hold) output with adjustable music and mic levels, isolation transformer and selectable music source from any of the 4 line inputs
- Emergency priority input and output mute contact for external muting/emergency message priority
- Output mute contact to externally mute the output
- Full metal wall-mount case with loudspeaker cable covers
- Internal AC mains voltage setting 115/230V
- CE/RoHS compliant
- Available as IMA-202V2 without Bluetooth module and as IMA-202V2B with Bluetooth module



Picture shows version with Bluetooth option



TECHNICAL DATA

Power (RMS) stereo.....	2x50/60 @ 8/4 Ohms
Signal/Noise.....	> 82dB (Line)
Crosstalk Damping.....	> 65dB (Line)
THD.....	< 0.05% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN (230V setting).....	AC220-250V - 50Hz
AC IN (115V setting).....	AC110-120V - 60Hz
Power consumption.....	max. 200W
Dimensions.....	W450.0xH261.0xD44.5mm
Weight.....	6.10 kg

LOGISTICS DATA

IMA-202V2 (without Bluetooth module)	
Order Number.....	2006141
Single unit EAN-13.....	5060502920706
IMA-202V2B (with Bluetooth module)	
Order Number.....	2006151
Single unit EAN-13.....	5060502920713
Single Carton size.....	535x350x90mm
Single Carton gross weight.....	6.9kg
Units per master carton.....	4
Master carton size.....	560x375x390mm
Master carton gross weight.....	28.8kg



VMA-1120

120W HiZ Amplifier | Media player



CONCEPT

The VMA-1120 media amplifier combines a multitude of microphones and stereo sources and an integrated MP3 player with a high-headroom 120W high-impedance (100V) amplifier in one compact unit. The amplifier is a transformer-less design using the unique Hybervolt™ topology, thus reducing the weight, improving audio fidelity and being field-serviceable. Adjustable microphone priority and a front-side 3.5mm stereo input provide extended convenience both for paging as well as replay from mobile devices. The clear front panel layout makes operation simple for less experienced users. Adding the seamless integration with fire evacuation systems, the VMA-1120 is the perfect choice for small-to-medium sized locations employing 100V line speakers for sound reinforcement, where simplicity and budget conscience rule.

TECHNICAL DATA

Power (RMS)	1x120W@40 Ohms
Signal/Noise	> 72dB (Line)
Crosstalk Damping	> 65dB (Line)
THD	< 0.05% (Line)
Frequency response	20Hz – 20 kHz
AC IN (230V setting)	AC220-250V~ 50Hz
AC IN (115V setting)	AC110-120V~ 60Hz
Power consumption	max. 180W
Dimensions	W483.0xH88.5xD237.0mm
Weight	8.5 kg

LOGISTICS DATA

Order Number	2013601
Single unit EAN-13	5060502921239
Single Carton size	535x350x180mm
Single Carton gross weight	9.5 kg
Units per master carton	2
Master carton size	560x390x375mm
Master carton gross weight	20.2 kg

FEATURES

- Mixer section with 1x music and 3x microphone sources
- Music source switchable: Media player, 3 external line inputs (with rear gain control) and front-side 3.5mm TRS line input
- Internal media player for USB thumbdrives/SD cards up to 16GB/2000 songs, regular and random play sequence, repeat mode
- Microphone inputs with phantom power, isolation transformer (only Mic 1), Gain (rear), volume & common EQ controls (front) and on/off switch
- Adjustable auto talk-over for automatic music level reduction
- Additional utility input for external spot announcers or chime generators
- Master section with 2 Band EQ plus 5-LED output level meter
- Additional rear-side maximum level control for master
- Balanced stereo link output to feed output signal to further amplifiers
- Mono amplifier block with 120W@40 Ohms
- Transformer-less Hybervolt™ amplification technology for extended bandwidth, lower weight and field-serviceability
- Silent fan cooling with temperature controlled speed
- Linear power supply with toroidal transformer
- Phoenix-compatible speaker output with security cover
- Emergency priority input and output mute contact for external output muting/emergency message priority
- Full metal case with detachable rack ears
- AC mains voltage selector 115/230V
- CE/ROHS compliant



VMA-1240B

240W HiZ Amplifier | Media player | FM Tuner | Bluetooth | Zone Output



CONCEPT

The VMA-1240 media amplifier combines a MP3 player, a Bluetooth receiver, a FM Tuner and a multitude of microphones and stereo sources with a high-headroom 240W high-impedance (100V) amplifier in one compact unit. The amplifier is a transformer-less design using the unique Hybervolt™ topology, thus reducing the weight, improving audio fidelity and being field-serviceable. VCA volume remote control is provided for the main output. With the additional zone output, the unit can control an external amplifier for the zone signal, which can be the same as the master signal or a direct choice of inputs. A music on-hold output allows to feed the unit's music program into a telephone system. Adding the seamless integration with fire evacuation systems, the VMA-1240 is the default choice for any mid-scale venue employing 100V line speakers for sound reinforcement.

FEATURES

- Mixer section with 1x music and 3x microphone sources
- Music source switchable: Media player/tuner, 3 external line inputs (with gain control) and front-side 3.5mm TRS line input
- Internal media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs, MP3 file name readout on large LCD display, regular and random play sequence, elapsed/remain time mode, FM tuner mode with RDS station display, jingle player with up to 3 jingles and additional scheduled play mode
- Built-in Bluetooth receiver
- Microphone inputs with phantom power, isolation transformer (only Mic 1), LPF & Gain (rear), volume & EQ controls (front) and on/off switch
- Adjustable auto talk-over for automatic music level reduction
- Master section with 2-Band EQ plus 5-LED output level meter
- Additional rear-side maximum level control for master
- Remote volume control option via external potentiometer
- Chime sound generator with adjustable volume, external trigger and user-loadable sound on memory card
- Zone section with separate volume control

- Zone assignable to master signal or to two of the rear-side line inputs, routed to preamp output
- Mono amplifier block with 240W@40 Ohms (100V)
- Transformer-less Hybervolt™ amplification technology for extended bandwidth, lower weight and field-serviceability
- Silent fan cooling with temperature controlled speed
- Linear power supply with toroidal transformer
- Phoenix-compatible speaker output with security cover
- MOH (music on hold) output with adjustable music and mic levels, isolation transformer and selectable music source
- Emergency priority input and output mute contact for external output muting/emergency message priority
- Full metal case with detachable rack ears
- AC mains voltage selector 115/230V
- CE/ROHS compliant



TECHNICAL DATA

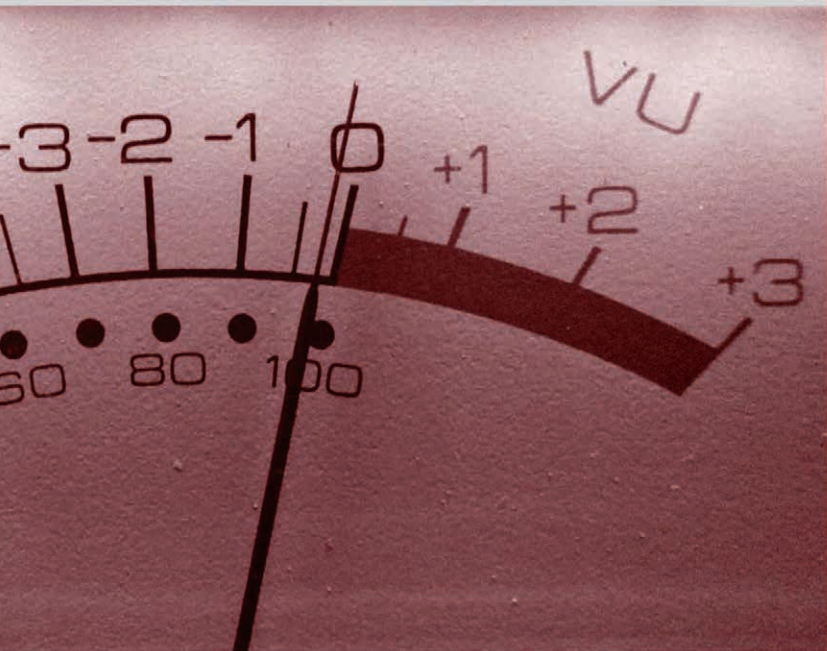
Power (RMS)	1x240W@40 Ohms
Signal/Noise	> 72dB (Line)
Crosstalk Damping	> 65dB (Line)
THD	< 0.05% (Line)
Frequency response	20Hz - 20 kHz
AC IN (230V setting)	AC220-250V ~ 50Hz
AC IN (115V setting)	AC110-120V ~ 60Hz
Power consumption	max. 320W
Dimensions	W483.0xH88.5xD237.0mm
Weight	8.6 kg

LOGISTICS DATA

Order Number	2011401
Single unit EAN-13	5060502921246
Single Carton size	535x350x160mm
Single Carton gross weight	9.6 kg
Units per master carton	2
Master carton size	550x390x375mm
Master carton gross weight	20.4 kg

Pre- Amplifiers

Getting the perfect mix and the most suitable routing with low distortion and minimum noise from a multitude of audio sources is as easy as it can get with our range of preamplifiers. Available with and without media player, they are a perfect choice for fitness sound systems and pub sound installations.



IPM-1610V2

7-Channel Mixer | Preamplifier



CONCEPT

The IPM-1610V2 7-channel mixer is a perfect fit at the heart of any installed sound system where flexibility needs to be paired with simplicity of operation. It offers 5 multi-purpose inputs which can either be fed with a balanced microphone signal or an unbalanced stereo line signal. One further balanced stereo line level input is specifically useful when processing an auxiliary line-level source from further distance, like a mixer on a stage, or the output of a different room's system. By inserting a signal cable into the provided 3.5mm TRS jack on the front, this channel can also be used for a local signal feed from a portable device. The additional, dedicated microphone input with adjustable talkover (priority) provides control over announcements. Every input – with the exception of the balanced stereo input – is equipped with rear-panel gain control and a front-panel 2-Band EQ and front-panel level control for all input channels (no gain for FOH input). The external shutdown and emergency signal input connections allow integration with central announcement and evacuation systems.

FEATURES

- 5 stereo inputs switchable between balanced microphone and unbalanced line input level (switch on rear panel)
- 1 balanced stereo input (FOH input), with auto-switching 3.5mm TRS input on the front panel
- 1 microphone input with rear-side 1/4" TRS connectors
- Rear-panel gain control, front-panel 2-Band EQ and front-panel level control for all input channels (no gain for FOH input).
- 12V phantom power for microphones by internal jumper
- Adjustable auto talk-over for automatic music level reduction when microphone is used
- One stereo master output
- 10 LED level meter for stereo master output
- Rear-side adjustable maximum level control for master output
- Rear-side mono switch for master output
- Balanced TRS and Phoenix output connectors
- Emergency input which shuts down master output when emergency signal comes in and plays emergency signal instead
- Output mute contact to externally mute the output
- Headphone output with volume control and front-side 6.3mm stereo jack
- Unbalanced record output
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

TECHNICAL DATA

Signal/Noise.....	82dBu (unwgted 22Hz-22kHz)
Crosstalk Damping.....	>65dB (Line)
THD.....	<0.03% (Line)
Frequency response.....	20Hz – 20 kHz
AC IN	115V/230 – 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483xH44.5xD152.0mm
Weight.....	2.30 kg

LOGISTICS DATA

Order Number.....	2005411
Single unit EAN-13.....	5060502920348
Single Carton size.....	535x255x90mm
Single Carton gross weight.....	2.8kg
Units per master carton.....	4
Master carton size.....	560x265x390mm
Master carton gross weight.....	12.1kg





DESCRIPTION

- 6 single inputs, including 1 priority input and 3 stereo inputs;
- 1 stereo output + 1 mono output + 1 independent output + 1 recording output;
- 6 single inputs with equalization adjustment and +48V phantom power supply;
- Secondary 24V DC power supply (battery) ensures the preamplifier operates even without the main power source.

FEATURES

- Six MIC/LINE balanced inputs (channels 1 to 6) with combo (XLR / 1/4" TRS jack) connectors, each having:
 - Low-distortion MIC pre-amp with high dynamic range and switchable 'Phantom Power'.
 - A 3-way gain selector: MIC / MIC with 'Phantom' power / LINE.
 - A level control with SIGNAL LED.
- Channel 1 has VDX function and can get automatically priority when a signal is detected on its input. An additional control on the rear panel allows to adjust the level of all the other channels when channel no.1 priority is in progress.
- Three stereo LINE inputs (unbalanced, channels 7/8, 9/10, 11/12) with RCA sockets, each (stereo link) with a level control with SIGNAL LED.
- A stereo LINE output (two balanced male XLR: left and right channels), with MASTER volume control, two LED bars as level meters and a 2-band equalizer.
- A mono LINE OUTPUT (a balanced 1/4" TRS jack socket) with separate volume control.
- A stereo REC OUT (two unbalanced RCA sockets: left and right channels) for recording.
- A mono MIC OUT (a balanced 1/4" TRS jack socket) with separate volume control. This output is available when its front panel switch (to route all the channels 1 to 6 to MIC OUT) is set to ON.
- Its operating voltage is either 230 V ac (50 Hz) or 24 V dc (batteries).

DMP-230V2(B)

Media Player | FM Tuner | BT Option



DAB*
Coming Soon

TECHNICAL DATA

Audio formats (local replay):	MP3
AC IN	115V/230~ 50/60Hz
Power consumption	max. 10W
Dimensions	W195.0xH50.0xD131.0mm (with plastic side cheeks) W180.0xH42.0xD114.2mm (without plastic side cheeks)
Weight	0.90 kg

LOGISTICS DATA

DMP-230V2B (with Bluetooth module)	
Order Number	2003311
Single unit EAN-13	5060502920966
Single Carton size	260x255x90mm
Single Carton gross weight	1.16kg
Units per master carton	4
Master carton size	390x285x280mm
Master carton gross weight	5.34kg

Designed to add MP3 file replay and FM radio reception to any professional audio system, the DMP-230V2 sports intuitive use, excellent audio quality and the added value of an in-built jingle player with scheduling. The latter allows to insert jingles (like advertisements, etc.) either at the touch of a button or in certain time intervals into the running program. A large LCD provides clear status information and read-out of MP3 file names and RDS radio text, and an included IR remote control provides additional convenience in daily use. Packed in a rugged metal case with stylish plastic side cheeks, the DMP-230V2 can be operated stand-alone or mounted into a 19" rack by means of the optional rack kit (not included). Also available with additional built-in Bluetooth module as DMP-230V2B.

CONCEPT

FEATURES

- Media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs
- FAT32 file system
- MP3 file name readout on large LCD display
- Regular and random play sequence
- Elapsed/remain time mode
- FM tuner mode with RDS station display
- 10 self-programmable radio station presets
- Jingle player with up to 3 jingles and additional scheduled play mode

- IR remote for media player transport functions, FM stations and volume control
- Balanced (XLR) and unbalanced (RCA) output
- Output level setting on rear panel
- Low-noise linear power supply
- Full metal case with plastic side cheeks (rack mount kit optional)
- CE/ROHS compliant
- Available as:
 - DMP-230V2 without Bluetooth module
 - DMP-230V2B with Bluetooth module



Picture shows version with Bluetooth option

IRC-A Remote control (included)
Spare part order number:
2003321





IMM-2320V2 (B)/with DAB+

Media Preamp Mixer



TECHNICAL DATA

Signal/Noise.....>82dB (Line)
 Crosstalk Damping.....>65dB (Line)
 THD.....<0.05% (Line)
 Frequency response.....20Hz – 20 kHz
 AC IN (230V setting).....AC220-250V~ 50Hz
 AC IN (115V setting).....AC110-120V~ 60Hz
 Power consumption.....max. 18W
 Dimensions.....482.6(427)x444.5xD152.0mm
 (parentheses = without rack ears)
 Weight.....2.6 kg

LOGISTICS DATA

IMM-2320V2 (without Bluetooth module)
 Order Number.....2005511
 Single unit EAN-13.....5060502920508

IMM-2320V2B (with Bluetooth module)
 Order Number.....2005521
 Single unit EAN-13.....5060502920515

Single Carton size.....535x255x90mm
 Single Carton gross weight.....3.1kg
 Units per master carton.....4
 Master carton size.....560x285x390
 Master carton gross weight.....13.4kg

The IMM-2320V2 Media Preamp/Mixer combines a 3-input stereo mixer with 2 microphone inputs and an internal media player. The auto-talkover feature of the microphone section allows automatic attenuation of the music signal by an adjustable amount when speaking into a microphone. This makes the unit a perfect companion for fitness instructors or presenters who have no hand free to lower the program level while speaking. The internal media player sports an IR remote for added comfort; it also features a jingle player, which runs both in a one-shot and a scheduled mode. Two master outputs with fire evacuation facilities like external mute and emergency signal priority functions complete the feature set of this comprehensive unit. The IMM-2320V2 is the ideal core unit for fitness sound systems, hospitality sound systems and mobile sound systems deployed for educational or promotional applications. Also available with additional built-in Bluetooth module as IMM-2320V2B.

CONCEPT

FEATURES

- 2 stereo inputs with signal-present-LED, rear-panel gain and front-panel level control
- Front panel 3.5mm stereo TRS input
- 2x Mic inputs with rear-side 1/4" TRS connectors
- Voice-specific 2-Band EQ plus "on air" switches for mic inputs
- Adjustable auto talk-over for automatic music level reduction when microphone is used
- Internal media player/tuner with file/folder access for USB thumbdrives/SD cards up to 16GB/2000 songs, MP3 file name readout on large LCD display, regular and random play sequence, elapsed/remain time mode, FM tuner mode with RDS station display, jingle player with up to 3 jingles and additional scheduled play mode
- Two stereo main outputs with independent level control
- 2-Band front-side EQ for main output 1
- 10 LED level meter for main output 1
- Rear-side adjustable maximum level control for each output
- Rear-side tone control for main output 2
- Mono switch and 100Hz HP filter on rear side for main output
- Balanced TRS and Phoenix output connectors for both outputs; additional unbalanced RCA connectors
- Emergency input which shuts down master output when emergency signal comes in and plays emergency signal instead
- Output mute contact to externally mute the output
- Headphone section with volume control and front-side 6.3mm stereo jack
- Unbalanced record output
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with brushed aluminum front panel and detachable rack ears
- AC mains voltage selector switch 115V/230V
- CE/ROHS compliant
- Available as IMM-2320V2 without Bluetooth module and as IMM-2320V2B with Bluetooth module



Zoning Mixers

Complex venue sound systems can range from multi-room to multi-zone installations and require a careful balance of equipment features and simplicity of operation. Our range of zoning mixers covers everything from a small restaurant to a mid-sized hotel and is both easy to install and to operate.





DESCRIPTION

- Ease of installation and product operation with 1RU-sized compact design, ideal for commercial and industrial applications requiring multi-zone background music and public address system management.
- Multiple audio inputs including 2 mic inputs, 1 AUX input, and a USB port, plus dedicated controls for channels and media playback, enabling versatile integration of various audio sources.
- Equipped with a digital display and playback control module (with play/pause function) for intuitive media operation and real-time data viewing.
- Dual-zone (ZONE 1 and ZONE 2) audio control with individual volume adjustments, supporting independent audio distribution and customization for different areas.
- Features expansion ports and a wealth of input/output terminals, allowing for system scalability and flexible audio signal routing.
- Comprehensive signal and level indicators for each channel and zone, facilitating easy monitoring of the operation status and ensuring precise audio control.
- With remote control.

Empower Your Audio Mastery with Wall Panels! New Panels are designing for this device!

CONTROL PANEL

- **SVC-20A Audio Remote Control Wall Panel**
SVC-20A is a user-friendly audio remote control wall panel designed for easy installation, equipped with 4-channel (CH1-CH4) control, a visible level meter, source selection (MEDIA, ETX) and MIC mute/volume control for efficient audio adjustment.
- **SVC-21A Audio Remote Control Wall Panel**
SVC-21A is a practical wall-mounted audio remote control panel featuring 4-channel (CH1-CH4) control, a clear level meter, and flexible source selection (MEDIA, LINE IN, LOCAL), plus MIC mute and volume adjustment functions for reliable audio management.
- **SMB-31A Audio Remote Wall Panel**
SMB-31A is an ideal 3-in-1 audio remote wall panel for convenient installation, integrating BT, LINE IN and MIC IN interfaces with intuitive BT pairing, level adjustment and damp control for seamless operation.



ZPR-2620V2

Zoning Mixer | 6 stereo + 2 Mic into 2 output zones



TECHNICAL DATA

Signal/Noise.....>82dBu (unwgt'd 22Hz-22kHz)
Crosstalk Damping.....>65dB (Line)
THD.....<0.03% (Line)
Frequency response.....20Hz - 20 kHz
AC IN.....115V/230 - 50/60Hz
Power consumption.....max. 20W
Dimensions.....W483xH44.5xD152.0mm
Weight.....2.40 kg

LOGISTICS DATA

Order Number.....2003611
Single unit EAN-13.....5060502920607
Single Carton size.....535x255x90mm
Single Carton gross weight.....2.9kg
Units per master carton.....4
Master carton size.....560x285x390mm
Master carton gross weight.....12.5kg

The ZPR-2620V2 2-Zone mixer is the only 1U installation mixer featuring Hill Audio's unique CascadeZone © system, which allows the 2nd output to act either just as a second master or as a second zone, with each output sporting comprehensive rear-panel configuration controls. 2 microphone inputs are complemented by 6 stereo inputs, out of which two can be switched to microphone sensitivity – which makes the ZPR-2620V2 a unique blend between microphone mixer and stereo line mixer. Another Hill Audio innovation is the FOH input, providing a solution to venues with occasional live music events – allowing to feed the FOH system with an external balanced stereo input signal. Comprehensive rear-panel connection and configuration features make the ZPR-2620V2 the default choice for a hospitality venues' background music control.

CONCEPT

FEATURES

- 6 stereo inputs with signal-present-LED, rear-panel gain and front-panel level control
- 2 stereo channels switchable to microphone
- 1 balanced stereo input (FOH input)
- Front panel 3.5mm stereo TRS input
- 2x Mic inputs with rear-side 1/4" TRS connectors
- 12V phantom power for microphones by internal jumper
- 2-Band EQ plus "on air" switches for mic inputs
- Adjustable auto talk-over for automatic music level reduction when microphone is used
- One stereo output zone and one mono output zone
- 5 LED level meter for every zone
- CascadeZone ©: Mono zone source selectable from Input 1-5 or stereo zone signal
- Rear-side adjustable maximum level control for each zone
- Balanced XLR and Phoenix output connectors; stereo zone with additional unbalanced RCA connectors
- 2-Band master EQ (front for stereo zone, rear for mono zone)
- Emergency input which shuts down master output when emergency signal comes in and plays emergency signal instead
- Output mute contact to externally mute the output
- PFL section with volume control and front-side 6.3mm stereo jack
- Unbalanced record output
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant





ZPR-2820V2

Zoning Mixer | 4 dual stereo + 2 Mic into 2 output zones



CONCEPT

The ZPR-2820V2 2-Zone Rack Mixer is a specific product for venues with combined foreground and background music requirements. While the user interface even allows basic DJ use on occasions when required, other features cater for the requirements of an auxiliary background music zone. In a typical application, party music can be played by a DJ during a weekend inside a pub while soft music is played in the patio area – just to revert to playing the same soft music inside and outside of the venue on a weekday, all with the same sound system and setup. The unique CascadeZone © system makes such scenario changes quick and comfortable, and microphone priority and emergency features allow for easy integration with building evacuation systems. Perfect for any multi-purpose hospitality venue, such as pubs, hotels and restaurants.

FEATURES

- 4 dual-source stereo inputs (2xLine/Line, 2xPhono/Line) with 2-color signal/peak LED and front-panel gain control
- 45mm smooth dual-rail input channel faders
- 1 balanced stereo input (FOH input)
- Front panel 3.5mm stereo TRS input
- 2x Mic inputs with front-side Combo connectors and rear-side 1/4" TRS connectors
- 12V phantom power for micro-phones by internal jumper
- Voice-specific 3 Band EQ plus "on air" switches for mic inputs
- Adjustable auto talk-over for automatic music level reduction when microphone is used
- Two stereo output zones
- CascadeZone ©: Source for 2nd zone output selectable from Input 1-3 or first zone signal
- Zone-assignable 2x10LED level meter
- Rear-side adjustable maximum level control for each zone
- Balanced XLR and Phoenix output connectors plus unbalanced RCA connectors for each zone
- 3-Band EQ (front panel) for zone 1 and 2 Band EQ (rear panel) for zone 2

- 100Hz High pass filter and mono switch for zone 2
- Emergency input which shuts down master output when emergency signal comes in and plays emergency signal instead
- Output mute contact to externally mute the output
- PFL section with volume control and front-side 6.3mm stereo jack
- Unbalanced record output
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant



TECHNICAL DATA

Signal/Noise.....	>82dBu (unwgt'd 22Hz-22kHz)
Crosstalk Damping.....	>65dB (Line)
THD.....	<0.05% (Line)
Frequency response.....	20Hz – 20 kHz
AC IN	115V/230 – 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483xH88.0xD162.0mm
Weight.....	3.10 kg

LOGISTICS DATA

Order Number.....	2004811
Single unit EAN-13.....	5060502920362
Single Carton size.....	535x255x135mm
Single Carton gross weight.....	3.7kg
Units per master carton.....	2
Master carton size.....	560x285x290mm
Master carton gross weight.....	8.6kg

ZPR-3520V2

Zoning Mixer | 5 stereo + 2 Mic into 3 output zones



TECHNICAL DATA

Signal/Noise.....>82dBu (unwgt'd 22kHz-22kHz)
Crosstalk Damping.....>65dB (Line)
THD.....<0.05% (Line)
Frequency response.....20Hz - 20 kHz
AC IN115V/230V - 50/60Hz
Power consumption.....max. 20W
Dimensions.....W483xH44.5xD191.0mm
Weight.....2.76 kg

LOGISTICS DATA

Order Number.....2006911
Single unit EAN-13.....5060502920621
Single Carton size.....535x350x90mm
Single Carton gross weight.....3.51kg
Units per master carton.....4
Master carton size.....560x375x390mm
Master carton gross weight.....15.24kg

The ZPR-3520V2 is a 3-Zone mixer / preamplifier with two stereo and one mono zone output. On the choice of the installer, the zones can be level-controlled by either the internal front-panel control or an external potentiometer control (ZCP10A, optional). Every output zone's source signal can be freely chosen from any of the 4 stereo inputs, with two of these stereo inputs re-routable to the front side 3.5mm TRS stereo input and the rear-side balanced stereo input (FOH), thus providing connectivity to both mobile players and balanced sources like a connected DJ or stage mixer. Two microphone inputs with switchable priority can either be included or excluded in/from every zone. Additional 2-Band EQs for every zone output and the music mute and emergency signal inputs with automatic priority make the ZPR-3520V2 a truly versatile core of any installed sound system.

CONCEPT

FEATURES

- 5 stereo inputs, 4 equipped with rear-panel gain and freely routable to output zones A | B | C. 5th input only routable to Zone C.
- Rear-panel balanced stereo input (FOH input) and front-side 3.5mm stereo TRS jack, routable to zones A | B | C in lieu of stereo input 1 and 4 respectively
- 2x Mic inputs with rear-side 1/4" TRS connectors and gain control
- 12V phantom power for microphones by internal jumper
- Voice-specific 2-Band EQ plus "on air" switches for mic inputs
- Auto talk-over for automatic music level reduction when microphone is used, damping level adjustable per zone.
- Microphone include/exclude switch per zone
- Microphone level setting per zone
- Two stereo output zones and one mono output zone

- 5 LED level meter for every zone
- Rear-side adjustable 2-Band EQ for each zone
- Volume control for every switchable between front-panel volume control and rear-panel connected external remote control potentiometer (optional, recommended control panel ZCP10A)
- Balanced TRS and Phoenix output connectors for each zone
- Emergency input which shuts down master output when emergency signal comes in and plays emergency signal instead
- Output mute contact to externally mute the output
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant





ZPR-4620V2

Zoning Mixer | 6 stereo + 2 Mic into 4 output zones



CONCEPT

The ZPR-4620V2 4-Zone mixer is the most versatile choice for medium-sized multi-zone sound systems built around a stereo main zone. The unique CascadeZone © concept allows the three additional mono zones to either carry the same signal as the stereo zone or any of the 6 individual input signals. 2 microphone inputs sport adjustable priority and can be included in or excluded from each of the output zones. All essential controls are located on the front panel, while some specific settings can only be made on the rear panel. This includes zone adjustments like maximum level settings, equalization and 100Hz Highpass filters. The combination of front-panel and rear-panel controls make the ZPR-4620V2 ultimately flexible while still being user-friendly even for less experienced operators.

FEATURES

- 6 stereo input channels (4xLine, 2xPhono/Line) with 2-color signal/peak LED, gain control and 45mm dual-rail fader
- 1 balanced stereo input (FOH input)
- Front panel 3.5mm stereo TRS input
- 2x Mic inputs with rear-side 1/4" TRS connectors, one with additional front-side Combo connector
- 12V phantom power for microphones by internal jumper
- Voice-specific 3-Band EQ plus "on air" switches for mic inputs
- Adjustable auto talk-over for automatic microphone priority
- Master section with one stereo output zone (dual 10 LED level meter) and three mono output zones (5 LED level meters)
- CascadeZone ©: Mono zone sources selectable from Inputs 1-6 or stereo Master signal
- Each output zone with rear-side adjustable max. level control
- Each output zone with both balanced XLR and Phoenix connectors; stereo zone with additional unbalanced RCA output
- Rear side EGs: 3-band (stereo zone), 2-band (mono zones)
- Switchable 100Hz HPF & microphone exclusion for mono zones

- Emergency priority input and output mute contact for external output muting/emergency message priority
- PFL section with volume control and 6.3mm stereo jack
- Unbalanced record output
- All switches with LED status indicator
- Internal linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant.



TECHNICAL DATA

Signal/Noise.....	>82dBu (unwgt'd 22Hz-22KHz)
Crosstalk Damping.....	> 65dB (Line)
THD.....	<0.05% (Line)
Frequency response.....	20Hz ~ 20 kHz
AC IN	115V/230 ~ 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483.0xH133.0xD162.0mm
Weight.....	4.30 kg

LOGISTICS DATA

Order Number.....	2002911
Single unit EAN-13.....	5080502920652
Single Carton size.....	535x255x185mm
Single Carton gross weight.....	5.0kg
Units per master carton.....	2
Master carton size.....	560x285x390mm
Master carton gross weight.....	11.3kg

ACCESSORIES

Remote Control Panel | Paging Microphone



ZCP10A Wall Control Panel

CONCEPT

The ZCP10A is a wall-mounted, passive remote volume control panel matching all CY Audio products with active VCA remote control ports, like the IMA-400V, the VMA-1240 or the ZPR-3520V2. It integrates itself into a wall surface elegantly, without any protruding elements. The 41-click precision potentiometer adjusts the zone volume swiftly and precisely.

TECHNICAL DATA

Dimensions.....WxHxD 85.8x85.8x27mm

FEATURES

- Designed to fit 86*86*35mm UK-style (BS 5733) pattress box. Pattress box is not included.
- Connection to remote controlled unit via 2-Core cable with overall screen (max. 100m)
- Cable mounting in 3-pin 3.5mm screw terminal block
- 41-click precision potentiometer
- Black anodized aluminum finish



Front View



ZPM10D Desktop Paging Microphone

CONCEPT

The ZPM10D is a desktop paging microphone, specifically designed for simple installation and most reliable operation, thus based on a dynamic capsule rather than a condenser capsule like most other paging mics. The solid diecast base provides stable placement on a desktop and also ensures ease of electrical connection via a common XLR microphone cable. A rugged enable/disable switch avoids unnecessary feedback danger when the microphone is not in use. Although being designed with simplicity in mind, the capsule mounted at the top of the sturdy gooseneck is of professional grade - making announcements clear and legible.

FEATURES

- Dynamic capsule
- Black anodized gooseneck, 435mm long
- Locking female XLR used as bottom socket for simple exchange of microphone
- Permanent on/off switch
- Heavy powder coated diecast base with rubber feet
- Male XLR on rear of base as audio output

TECHNICAL DATA

Frequency response.....50Hz-18kHz
Dimensions.....WxHxD 110x470x138mm
Weight.....1.20 kg



Rear View



Stereo Mixers

Covering a broad range of applications from event performances to club mixing and radio broadcasting, our stereo mixers provide the enhanced reliability and refined features requested by professional hosts, entertainers and DJs.



PSM-4530

5+3 Channel Stereo Production Mixer | 2 Outputs | Zone Output | Effect Bus | Active Crossover



TECHNICAL DATA

Signal/Noise.....>82dBu (unwgt'd 22Hz-22kHz)
Crosstalk Damping.....>65dB (Line)
THD.....<0.05% (Line)
Frequency response.....20Hz - 20 kHz
AC IN.....115V/230V - 50/60Hz
Power consumption.....max. 25W
Dimensions.....W483.0xH308.0xD104.0mm
Weight.....4.75 kg

LOGISTICS DATA

Order Number.....2002701
Single unit EAN-13.....6060502920423
Single Carton size.....600x190x400mm
Single Carton gross weight.....5.35kg
Units per master carton.....1
Master carton size.....same as SC
Master carton gross weight.....6.80kg

CONCEPT

The PSM-4530 Stereo Production Mixer is specifically designed to cater for the events industry where vocal presentations are mixed with music, but is equally useful in all kind of small broadcast production applications and also serves perfectly as a center piece of a club sound system. As the only mixer of its kind, it sports one-knob compressors in its 3 microphone inputs. In combination with a 2-parameter adjustable automatic talkover, this allows flawless integration of announcements and other vocal performances into the program. Aside from a full feature set per channel, this unit also offers a multitude of outputs with a unique zone feature for its 3rd output and an in-built subwoofer output with active crossover. An in-parallel routed effects path can be assigned to either the microphone or the music bus. With its multitude of inputs and outputs and the advanced signal processing options, there is virtually no situation requiring stereo signal mixing which this unit cannot master. Besides its ability to cater for complex applications, the user interface is simple and the operation hence intuitive.

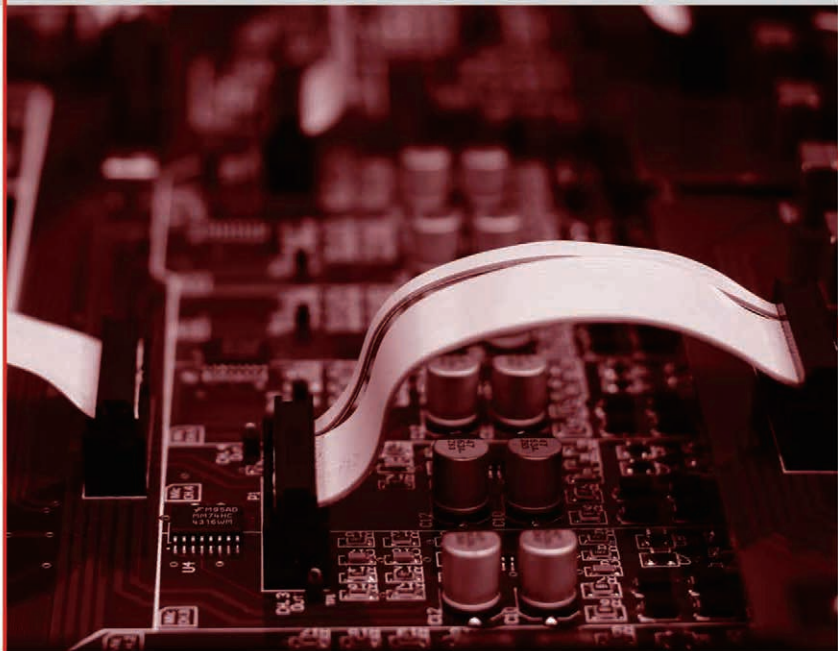


FEATURES

- 5 dual-source stereo inputs (2x Phono (Line)/Line, 3x Line/line) with gain control, 3-band Kill-EQ (+12/-26dB) and 10-LED level meter
- Front panel 3.5mm stereo TRS input
- 1 balanced stereo input (FOH input)
- Smooth dual-rail channel input faders: 60 (mic)/100mm (line)
- 3x Mic inputs with Combo connector; Gain, Peak LED, Compressor, 3-band EQ, FX assign & "on air" switch
- 2-parameter adjustable auto talk-over
- Fully assignable 45mm smooth dual-rail cross-fader
- Master section with two separately controllable outputs and assignable dual level meter
- Balanced (XLR) and unbalanced main outputs
- Main 1 output switchable to Mono
- Mono subwoofer output (balanced) with integrated active crossover (frequency/level adjustable)
- Additional balanced (XLR) mono zone output (with switchable 80Hz HPF), routable to master bus/CH5 line input
- All outputs with rear-side maximum level setting controls
- 10-LED level meters for outputs
- Adjustable effects send/return (TRS connectors) with parallel routing, assignable to mic or master bus
- PFL section with PFL/Main mix and Blend/Split option
- Unbalanced record output
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

Analog Processors

Preserving the highest audio headroom and providing true real-time processing at the most affordable cost, our range of analog audio processors is a default choice for sound systems of any size and complexity.



RPR-1000

Recording Strip | Mic Preamp | Gate | Compressor | De-esser | Dynamic Enhancer | Parametric EQ



CONCEPT

The RPR-1000 is the all-in one solution for today's recording artist, who requires sophisticated analog processing before conversion into the digital domain. It combines all functions of a legacy analog console with a standard set of outboard gear: a studio-grade, discrete mic preamp; an expander/gate; a compressor/limiter; a de-esser; and last but not least a 4-band equalizer with the two mid bands being fully parametric with adjustable frequency and Q factor. This way, a microphone input can be dynamically tampered with the full headroom of analog circuitry, and the sound can be shaped with the warmth only an analogue EQ can offer. In the dynamics section, some of the settings can be automated at the user's choice, like the "auto-knee" function which offers program-adaptive compression to combine the advantages of hard and soft-knee compression, and the "auto-time" function which sets suitable attack- and release times automatically. All signal levels and gain reductions are visually displayed by precise LED meters. A side chain with switchable monitoring function completes the feature set of this truly versatile studio-in-a-rack, which perfectly combines with a soundcard as a center piece of a recording setup.

FEATURES

- Mono recording strip with Mic/Line switchable input
- Input phase inversion switch
- Discrete Mic preamp with conjugate transistor pair circuitry
- Switchable +48 V phantom power for mic input
- Fully tunable and switchable 12 dB low-cut filter
- Manual compressor setting for threshold (-40 | +20 dB), ratio (∞ :1 | 1:1), attack (0.3 | 300 ms) and release (0.05 | 1.5 s)
- Switchable "Auto-Knee" program-adaptive compression circuitry
- Switchable "Auto-Time" setting of attack and release times
- De-Esser section with switchable voice gender (female: 8.6 kHz, male: 7.5 kHz) and variable level reduction (max. 15 dB)
- Expander/gate section with interactive ratio, variable threshold (off to +10 dB) and switchable release time (slow: 100 msec/1 dB, fast: 100 msec/100 dB)
- Switchable dynamic enhancer to compensate for high frequency loss by boosting content above 2.5 kHz
- Switchable LowContour filter
- Compressor side chain input with switchable monitor function
- 12-segment LED meters for gain reduction and output level
- Dedicated Threshold and De-Esser level displays
- EQ section with fixed HF/LF cut/boost and two fully variable parametric mid frequencies with variable bandwidth (Q)
- Balanced inputs and outputs with 1/4" TRS and XLR connectors
- All switches with LED status indicator
- Internal wide voltage-swing linear PSU for excellent dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

TECHNICAL DATA

Signal/Noise.....	>90dBu (unwgt'd 22Hz-22kHz)
THD.....	<0.05% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN	115V/230V - 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483xH44.5xD162.0mm
Weight.....	2.40 kg

LOGISTICS DATA

Order Number.....	2014501
Single unit EAN-13.....	5060502921253
Single Carton size.....	635x255x90mm
Single Carton gross weight.....	2.9kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	12.5kg





RPS-1620

8-Channel Stereo Mixer | Level Translator



CONCEPT

TECHNICAL DATA

Signal/Noise.....	>95dBu (unwgt'd 22Hz-22kHz)
Crosstalk Damping.....	>70dB (Line)
THD.....	<0.01% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN.....	115V/230V - 50/60Hz
Power consumption.....	max. 15W
Dimensions.....	W483xH44.5xD162.0mm
Weight.....	2.46 kg

The RPS-1620 is a compact rack-mountable mixer with 8 stereo line input channels, perfectly suited as a submixer for stereo sources such as keyboards, sound modules and electronic drum kits. Due to its fully servo-balanced inputs, it works equally well in installed sound systems where balanced signals from greater distance need to be combined. Last but not least it doubles as a level translator between +4 and -10dB, between which every input can be switched. Each dual-input channel sports individual balance and level controls, plus a double-function mute button which uses the mute indicator LED as a clip indicator when the respective channel is not muted. An AUX/Monitor bus (pre volume) is provided for monitoring or effect processor interfacing, to which each channel can contribute with adjustable level. The master section features separate left/right master volume controls and a master AUX send control, which can also be sent to the built-in headphone monitor section. Given its affordability and the high-headroom of 20dB due to the fully analog design, this mixer is a problem solver with almost unlimited applications.

FEATURES

LOGISTICS DATA

Order Number.....	2013901
Single unit EAN-13.....	5060502920584
Single Carton size.....	535x255x90mm
Single Carton gross weight.....	2.95kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	12.7kg

- Multi-purpose sub/monitoring/summing-mixer and level translator
- 8 balanced stereo line inputs (dual 1/4" TRS)
- Dedicated balance and level controls plus +4/-10 level selection per channel
- AUX control (pre-volume) per channel with master send control for monitoring or effects
- Dual-use "mute" button per section with clip indication
- AUX Send signal assignable to phones output
- 2x7-segment LED level meters
- Individual level control for left and right main mix signal
- Balanced 1/4" TRS main mix outputs
- 3.5mm TRS headphones output on the front panel with dedicated level control
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant



RPM-6600

8-in-2 Mixer | 2-in-6 Splitter



CONCEPT

The RPM-6600 is a versatile combination of a 6-in-2 mixer and a 2-in-6 splitter; while it also provides a handy way of adjusting levels or impedances by acting as a buffered level translator from -10 dBV to +4 dBu or vice versa. It offers 6 identical input/output sections with level control, pan/pot/balance control and 8-LED level meter each. Every section can be configured with a switch to either work as an input for a mix available at the master output, or as a splitter output from a master signal fed to the master input. In a mixer application, the main input section can be used as two additional inputs which makes the unit effectively sporting up to 8 inputs in mixer configuration. The versatility of this unit spans applications from sub-mixing of keyboards in a stage sound system to zone signal splitting in commercial sound systems. The broad range of applications also makes the RPM-6600 a useful problem solver in the vaults of any rental company.

FEATURES

- 6 mono input/output sections with level control, pan/balance control, 8-LED level meter and split/mix function switch
- Balanced XLR input/output connectors for sections 1/2/3/4
- Balanced TRS input/output connectors for sections 5/6
- Each section can operate independently in mixer or splitter mode
- Inputs work in mix configuration also as buffered level converters between -10 dBV and +4 dBu
- 1 balanced XLR stereo input with level control and 4-LED level meter
- 1 balanced XLR stereo output with level control and 4-LED level meter
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

TECHNICAL DATA

Signal/Noise.....>92dBu (unwgted 22Hz-22kHz)
Crosstalk Damping.....>65dB (Line)
THD.....<0.01% (Line)
Frequency response.....20Hz - 20 kHz
AC IN115V/230V - 50/60Hz
Power consumption.....max. 20W
Dimensions.....W483xH44.5xD162.0mm
Weight.....2.36 kg

LOGISTICS DATA

Order Number.....2013001
Single unit EAN-13.....5060502920539
Single Carton size.....535x255x90mm
Single Carton gross weight.....2.9kg
Units per master carton.....4
Master carton size.....560x285x390mm
Master carton gross weight.....12.3kg





RPH-8000

8-Way Headphones Amplifier



CONCEPT

TECHNICAL DATA

Max Output Power per channel:
 (load impedance 100 Ω).....+21 dBm
 Signal/Noise.....>90dBu (unwgt'd 22Hz-22KHz)
 THD.....<0.01% (Line)
 Frequency response.....20Hz - 20 kHz
 AC IN.....115/230V - 50/60Hz
 Power consumption.....max. 30W
 Dimensions.....W483xH44.5xD170.0mm
 Weight.....2.72 kg

LOGISTICS DATA

Order Number.....2013101
 Single unit EAN-13.....5060502920546
 Single Carton size.....535x255x90mm
 Single Carton gross weight.....3.22kg
 Units per master carton.....4
 Master carton size.....560x285x390mm
 Master carton gross weight.....13.8kg

The RPH8000 is an 8-way headphones amplifier designed to improve signal monitoring in studio recording and live sound. With two independent stereo main inputs and a dedicated direct input in each channel, individual artist can obtain a customized monitoring mix, providing a perfect condition for the best performance. The unit sports eight high-power amplifiers that can drive loads down to 8 Ohms, and can hence provide abundant power to every headphone available. Each amplifier section features an 8-digit output level meter, a Main-In-1/Main-In-2 selection switch, a stereo or dual mono selector switch, and a TRS direct input for connecting an additional sound source. As outputs, each section offers a TRS output on both the rear panel and the front panel. In the main input section, a dedicated 5-segment level meter and separate main level adjustments for the two inputs complete the feature set. Whether for studio sessions or as a pre-mixer for in-ear monitoring, the RPH8000 is an indispensable tool for recording and live sound professionals alike.

FEATURES

- 8 independent stereo high-power amplifier sections in one rack space
- 8 independent direct inputs provide up to 8 individual stereo mixes from any sound source
- Output level control and 8-digit output level meter per channel
- 2 stereo main inputs for two independent mixes, accessible from all 8 output channels
- Input level control and 5-digit input level meter
- Mono/stereo switch per output section for more flexibility
- 1 front and 1 rear TRS phones connector per channel
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant



RPX-2300

Stereo 2-Way/Mono 3-Way Active Crossover with Subwoofer Output



CONCEPT

The RPX-2300 is a stereo 2-way/mono 3-way active crossover, designed for better sound and protection by multi-amping a sound system. With a flip of the rear side switch, the unit can be configured either in stereo 2-way or mono 3-way mode, while the front panel status LEDs visualize which control has which function assigned. The incoming signal is divided into relative frequency bands via precise Linkwitz-Riley filters, which sport seamlessly adjustable crossover frequencies, and offer best driver protection by their steep 24dB/Octave slope. For further protection, 25 Hz Low Cut filters are provided to eliminate inaudible high-energy bass content. The unit also offers an independently-adjustable subwoofer output, providing an extra low-frequency band in a control range from 10-235 Hz – making it effectively a 3-way stereo or 4-way mono active crossover. Mute and Phase Invert switches for all outputs make troubleshooting a breeze. Compared to digital loudspeaker management systems, the RPX-2300 is not only more affordable, it also offers greater ease-of-use and a full 20dB signal headroom that only an analog processor can provide.

FEATURES

- Stereo 2-way/Mono 3-way active crossover
- Linkwitz-Riley filters with 24 dB/octave slope; flat summed amplitude response, zero phase difference
- Crossover frequencies adjustable in two switchable ranges: 44 to 930 Hz and 440 Hz to 9.3 kHz
- Additional mono subwoofer output with independent crossover frequency control (10-235 Hz)
- Individual output level controls for all bands
- Individual output mute switches for all bands
- Individual phase reverse switches for all bands
- Switchable 25 Hz low cut filter in each input
- Balanced XLR connectors for all inputs and outputs
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

TECHNICAL DATA

Signal/Noise.....	>91dBu (unwgted 22Hz-22kHz)
Crosstalk Damping.....	>92dB
THD.....	<0.01% (Line)
Frequency response.....	20Hz – 20 kHz
AC IN	115V/230V ~ 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483xH44.5xD162.0mm
Weight.....	2.30 kg

LOGISTICS DATA

Order Number.....	2013201
Single unit EAN-13.....	5060502920560
Single Carton size.....	535x255x90mm
Single Carton gross weight.....	2.8kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	12.1kg





RPX-3400

Stereo 3-Way/Mono 4-Way Active Crossover with Limiter



CONCEPT

TECHNICAL DATA

Signal/Noise.....	>88dBu (unwtd 22Hz-22kHz)
Crosstalk Damping.....	>92dB
THD.....	<0.01% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN.....	115V/230V - 50/60Hz
Power consumption.....	max. 23W
Dimensions.....	W483xH44.5xD162.0mm
Weight.....	2.30 kg

The RPX-3400 is a stereo 2/3-way I mono 4-way active crossover, designed for better sound and protection by multi-amping a sound system. With a flip of the rear side switch, the unit can be configured either in stereo 2/3-way or mono 4-way mode, while the front panel status LEDs visualize which control has which function assigned. The incoming signal is divided into relative frequency bands via precise Linkwitz-Riley filters, which sport seamlessly adjustable crossover frequencies, and offer best driver protection by their steep 24dB/Octave slope. For further protection, 25 Hz Low Cut filters are fitted in both inputs to eliminate inaudible high-energy bass content, and limiters on all outputs are provided with central threshold control. LF driver misalignment is easily accounted for by the adjustable delay control, and the typical roll-off of constant directivity horns can be counteracted with a switchable filter. To make the best use of centrally located subwoofers, the LF outputs can be summed via the "LF SUM" function, making sure that in-phase signals from all subs deliver extra gain. Mute and Phase Invert switches for all outputs make troubleshooting a breeze. Compared to digital loudspeaker management systems, the RPX-3400 is not only more affordable, it also offers greater ease-of-use and a full 20dB signal headroom that only an analog processor can provide.

LOGISTICS DATA

Order Number.....	2014301
Single unit EAN-13.....	5060502920829
Single Carton size.....	535x255x90mm
Single Carton gross weight.....	2.8kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	12.1kg

FEATURES

- Stereo 2-way/3-Way/Mono 4-way active crossover
- Linkwitz-Riley filters with 24 dB/octave slope; flat summed amplitude response, zero phase difference
- Low/Mid Crossover frequencies adjustable in two switchable ranges: 44 to 930 Hz and 440 Hz to 9.3 kHz; Mid/High frequencies adjustable 440 Hz to 9.3 kHz
- Adjustable time delay for phase alignment between drivers
- "LF Sum" function for mono subwoofer operation
- Individual Limiters on every output
- Individual output level controls for all bands
- Individual output mute switches for all bands
- Individual phase reverse switches for all bands
- CD horn equalization (+3 dB at 3.5 kHz, 6 dB/Oct. boost up to 22.5 kHz)
- Switchable 25 Hz low cut filter in each input
- Balanced XLR connectors for all inputs and outputs
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant.



RPQ-2150

2x15-Band Stereo Graphic EQ with PeakID



CONCEPT

The RPQ-2150 is a 2x15 band stereo graphic EQ and as such the tool of choice to adapt a sound system to a given location or listening requirement. With every sound system offering a different tonal balance and every room providing different acoustic properties, certain frequencies might need boosting or attenuation to balance the sound, and this is what this unit does in perfection. In addition to the 2x15 frequency bands which allow adjustment in either a ± 6 dB or ± 12 dB range, a 25Hz low-cut filter allows removal of very low-frequency content such as rumble and hum to preserve precious amplification headroom and keep the bottom end clear and punchy. As extra features, a basic active crossover is built-in which allows the direct connection of a subwoofer system, and the PeakID system visually warns of energy accumulations in certain frequency bands which indicate the danger of feedback. Unlike digital EQs, the RPQ-2150 works on a full +20dB maximum level range and hence offers superior headroom. Its usefulness makes this unit an invaluable improvement to any professional sound system.

FEATURES

- 2/3 Octave stereo graphic equalizer
- Adjustment from 20 Hz to 16 kHz in 15 bands (ISO frequencies)
- Switchable adjustment range ± 6 dB or ± 12 dB
- PeakID feedback alert system visually indicates critical frequencies and can also be used as audio analyzer
- Additional mono subwoofer output with adjustable crossover frequency (30 - 200 Hz)
- Switchable 25Hz low-cut filter
- Input gain controls for each channel (-15 dB to +15 dB)
- 4-digit output meter for each channel
- Bypass-switch for every channel
- Balanced inputs and outputs with 1/4" TRS and XLR connectors
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant

TECHNICAL DATA

Signal/Noise.....	92dBu (unwgt'd 22Hz-22kHz)
Crosstalk Damping.....	>65dB (Line)
THD.....	<0.01% (Line)
Frequency response.....	20Hz - 20 kHz
AC IN	115V/230V - 50/60Hz
Power consumption.....	max. 20W
Dimensions.....	W483xH44.5xD162.0mm
Weight.....	2.30 kg

LOGISTICS DATA

Order Number.....	2013301
Single unit EAN-13.....	5060502920553
Single carton size.....	535x255x90mm
Single carton gross weight.....	2.8kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	12.1kg





RPD-2200

2-Channel Expander | Gate | Compressor | Peak Limiter | De-Esser | Dynamic Enhancer



CONCEPT

TECHNICAL DATA

Signal/Noise.....>95dBu (unwtd 22Hz-22kHz)
 Crosstalk Damping.....>85dB (Line)
 THD.....<0.01% (Line)
 Frequency response.....20Hz ~ 20 kHz
 AC IN.....115V/230V ~ 50/60Hz
 Power consumption.....max. 20W
 Dimensions.....W483xH44.5xD162.0mm
 Weight.....2.40 kg

LOGISTICS DATA

Order Number.....2013401
 Single unit EAN-13.....5060502920577
 Single Carton size.....535x255x90mm
 Single Carton gross weight.....2.9kg
 Units per master carton.....4
 Master carton size.....560x285x90mm
 Master carton gross weight.....12.5kg

The RPD-2200 is dual dynamics processor which can operate as two independent single units or as linked units for stereo signal treatment. It covers all dynamic processing requirements in studio recording and live sound from compression over noise reduction to peak limiting and even offers specialty processing such as de-essing, contour filtering of low frequencies, dynamic enhancement to counteract high frequency loss, and a "warmth" function to add extra harmonic sonic content to the signal. To keep the use of the vast possibilities intuitive, some of the settings can be automated at the user's choice, like the "auto-knee" function which offers program-adaptive compression to combine the advantages of hard and soft-knee compression, and the "auto-time" function which sets suitable attack- and release times automatically. For further clarity, all signal levels and gain reductions are visually displayed by precise LED meters. Being fully analog, the RPD-2200 works on an impressive 20dB headroom which sets it far apart from anything a digital dynamics processor could do. A side chain with switchable monitoring function completes the feature set of this truly versatile all-in-one dynamics "mastermind".

FEATURES

- Dual dynamics processor with link switch for stereo operation
- Manual compressor setting for threshold (-40 | +20 dB), ratio (∞:1 | 1:1), attack (0.3 | 300 ms) and release (0.05 | 5 s)
- Switchable "Auto-Knee" program-adaptive compression circuitry
- Switchable "Auto-Time" setting of attack and release times
- De-Esser section with switchable voice gender (female: 8.6 kHz, male: 7.5 kHz) and variable level reduction (max. 15dB)
- Expander/gate section with interactive ratio, variable threshold (off to +10dB), switchable release time (slow: 100 msec/1 dB, fast: 100 msec/100 dB)
- Switchable dynamic enhancer to compensate for high frequency loss by boosting content above 2.5kHz
- Switchable Warmth function for added harmonic content
- Switchable LowContour filter
- Automatic peak limiting section
- Side chain input with switchable monitor function
- 12-segment LED meters for in/out levels and gain reduction
- Dedicated Threshold and De-Esser level displays
- Balanced inputs and outputs with 1/4" TRS and XLR connectors
- Relay-based bypass function with failsafe mode
- All switches with LED status indicator
- Internal wide-voltage swing linear power supply for excellent audio dynamics
- Full metal case with detachable rack ears
- AC mains voltage selector switch 115/230V
- CE/ROHS compliant



CMC-100

Passive Balanced Monitor-Controller | Mono Switch | Mute Switch



FEATURES

- Compact desktop analog passive monitor volume controller
- 2-Channel simultaneous signal attenuation
- Large rotary volume attenuation control
- Mute button
- Mono button
- Completely transparent operation
- No power required
- 2 x Combo inputs (balanced and unbalanced)
- 2 x TRS outputs (balanced and unbalanced)
- 1 x Mini jack I/O (unbalanced)
- Signal path completely balanced
- Full metal case
- CE/ROHS compliant

TECHNICAL DATA

Dimensions.....W141.0×D91.0×H70 mm
Weight.....0.45 kg

LOGISTICS DATA

Order Number.....2014701
Single unit EAN-13.....5060502921284
Single Carton size.....190x140x100mm
Single Carton gross weight.....0.7
Units per master carton.....8
Master carton size.....400x300x225mm
Master carton gross weight.....6.5kg



CONCEPT

The CMC-100 passive balanced monitor controller is the indispensable tool for every music producer working with a pair of active powered studio monitors, which mostly have their volume controls inconveniently located at their back side. This forces the use of the master volume control in the DAW software for attenuation, which is a bad choice since it reduces the audio bit depth. It is much more suitable to keep the software masters at unity and attenuate the audio to the active monitors with a passive controller like the CMC-100. This way maximum audio resolution is maintained and the monitoring volume is attenuated with the confidence that the sonic integrity of the signal is not compromised. The CMC-100 does not contain active circuitry, buffers, transistors, batteries, or power supplies which could interfere with the signal quality. It is simply connected between the computer audio interface/soundcard master outputs and the active (powered) monitor speakers, and keeps the signal path purely passive while carrying the balanced inputs forward to the outputs – the guarantee for absolutely no sound deterioration. Additional Mini TRS (3.5mm) connections add flexibility to the setup, and the dedicated Mono and Mute switches permit advanced signal control. The practicability and affordability of this unit make it a must-have accessory in any computer recording environment!

Audio Interfaces

Bringing the sonic complexity of analog signals precisely into the digital domain requires exact conversion and seamless data transport - both of which our audio interfaces are experts in.



UAI-2210

Dual Input USB Audio Interface | Direct Monitoring | AKM Converters | MIDI



TECHNICAL DATA

Mic input impedance:.....2.70 kOhm
Mic input gain: -0.5 to -44 dBu FS @600 Ohm
Mic input frequency response:
.....+0/-0.2 dB (20Hz to 20kHz)
Mic dynamic range (@ max gain):
.....75 dB (A-weighted)
Mic input THD&N (1kHz@max gain):
.....-73dB=0.022%
Instr. Hi/LoZ input imp.....220 kOhm/10 kOhm
Instr. input LoZ gain:.....+12.6/-30.8 dBu FS
Instr. input HiZ gain:.....-1.8/-45.3 dBu FS
Instr. input frequency response:
.....+0/-0.3 dB (20Hz-20kHz)
Instr. input dyn. range (@ max gain):
.....73 dB (A-weighted)
Instr. input THD&N (1kHz@max gain):
.....-70 dB = 0.032%
Line O/P max. level/imp.....12.9 dBu / 110 Ohm
Headphone Output power/impedance:
.....20 mW in 16/32 Ω
Sampling rates:.....44.1 kHz / 48 kHz / 96 kHz
Dynamic range ADC (24 Bit):.....102 dB
Dynamic range DAC (24 Bit):.....104 dB
Dimensions:.....W157.5xH49.0xD131.5mm
Weight:.....0.45 kg

LOGISTICS DATA

Order Number:.....2011801
Single unit EAN-13:.....5060502920942
Single Carton size:.....260x255x90mm
Single Carton gross weight:.....0.75kg
Units per master carton:.....4
Master carton size:.....390x285x280mm
Master carton gross weight:.....3.75kg



CONCEPT

Trying to capture musical ideas as a digital recording is a challenging task - within a limited budget, and with a quality that lives up to professional expectations, the UAI-2210 USB audio recording interface suits the job. Offering two input channels with studio-grade mic-preamps and a true 48V phantom power supply, it provides full dynamics and best sonic transparency from any microphone. High and Low input impedance switching equally allows direct recording of instruments. Independent of the choice of input signals, they are converted into the digital domain by reference-class AKM AK5358 converters, delivering up to 24Bit/96kHz conversion resolution. The supplied ASIO driver allows low-latency audio data transmission to and from the PC. The replay stream from the PC is converted back to the analog domain by AKM AK4430 converters and can both be monitored by speakers connected to the rear outputs or by headphones connected to the front output jack. A direct monitoring feature routes the input signals directly to the speaker/headphones outputs and thus allows to judge on the signal quality without involvement of the connected PC. A MIDI interface completes the comprehensive feature set of this carefully designed but keenly priced recording interface.

FEATURES

- 2 dual-source mono inputs
- Each input switchable between Microphone and Instrument/Line sensitivity
- Each microphone input with dedicated XLR jack and studio-grade microphone preamplifier
- True 48V phantom power for full microphone dynamic range
- Each Instrument/Line input with dedicated TRS jack and switchable input impedance (High/Low)
- Each input with wide-range gain control and peak LED
- Analog-to-digital conversion via AKM AK5358 converters with up to 24Bit/96kHz resolution for recording
- Digital-to-analog conversion with AKM AK4430 converters with up to 24Bit/96kHz resolution for replay
- Rear-side dual TRS monitor speaker output
- Front-side TRS monitor headphones output
- Direct monitor function routes inputs directly to outputs
- Industry-standard XMOS USB audio interface chipset with low-latency ASIO driver
- MIDI in/out interface
- Completely USB bus-powered (no external power supply)
- Bundling options available on request
- Metal case with plastic side cheeks (rack mount kit optional)
- CE/ROHS compliant



Power Systems

Stable and reliable power provision with proper grounding is essential for both specified equipment performance and required electrical safety. CY Audio power system products help to install correctly cabled and safe power systems.



RPL-1000V2

Power Conditioner | Racklight | USB Charger



TECHNICAL DATA

Switched Outlets.....	10 (2 groups 5 each)
Max. Output Current (per outlet/group)	5A (5A/8A)
Circuit Breaker.....	15A
AC IN	115-230V~ 50/60Hz
Power consumption.....	max. 18W
Dimensions.....	W483xH44.5xD150.0mm
Weight.....	1.95 kg

LOGISTICS DATA

Order Number.....	2008921
Single unit EAN-13.....	5060502920928
Single Carton size.....	535x255x90mm
Single Carton gross weight.....	2.72kg
Units per master carton.....	4
Master carton size.....	560x285x390mm
Master carton gross weight.....	11.74kg

The RPL-1000V2 combines a power distribution system, a surge protector, a rack light and a USB power socket in one rack space, thus making it an indispensable tool for both installed and mobile sound systems. RFI/EMI filtering comes along with a 15 amp circuit breaker to protect equipment and ensure better performance due to cleaner AC supply to the 10 rear-panel IEC sockets. The front-panel volt meter helps understanding the AC grid condition meanwhile. Unlike old-fashioned racklights with prone-to-break-off pull-out bulb tubes, the racklight section of the RPL-1000V2 works with a fixed strip of daylight white LEDs, providing a smooth and evenly distributed downward light curtain which is adjustable in its brightness and virtually unlimited in its lifetime. Last but not least, the RPL-1000V2 solves the omnipresent challenge of providing power to a tablet or smartphone in an event environment by sporting a massive 2A of power at its USB charging socket to satisfy even the most power-hungry tablets.

CONCEPT

FEATURES

- Power distribution with single inlet and 10 switched, rear-side IEC C-13 Outlets
- Max. power per single outlet 5A, maximum power per group of 5 outlets 8A, maximum total output power 15A
- 15A resettable front-side circuit breaker
- RFI/EMI filter for AC outlets
- Triple-mode varistor spike and surge protection for AC outlets
- 3-digit digital AC voltage meter with 3% precision
- Main on/off switch
- Racklight section with full-width daylight white LED strip
- Dimmer for racklight with seamless brightness adjustment and on/off switch
- USB charger socket with 2A maximum current
- Full metal case with detachable rack ears
- IEC-C20 power inlet (self-mount C-19 plug included)
- Delivery including self-mount C-14 plugs
- CE/ROHS compliant





RPN-8000

8 Channels Power Sequencer With Filters And Net Work Control



CONCEPT

The RPN8000 Sequence Power With Filters offers the easiest method to control power up and power down sequencing of multiple independent voltage rails. By staggering the start up sequence, it is possible to avoid latch conditions or large in-rush currents that can affect the reliability of the system. The RPN8000 Sequence Power With Filters helps you to sequence the turn on and turn off of all your electronic devices. This is really convenient when dealing with audio devices such as power amplifiers, where the sequence power is very important. Take control of your power with our RPN8000 Sequence Power With Filters.

TECHNICAL DATA

- Power condition: Single phase 3 line
- Power connection: single phase dynamic air-controlled power switch
- Connector: NXB-63
- L/N/PE: 16mm²
- Ground terminal: ground connection terminal accessory
- Channels qty: 8channels
- Output enable channels: 8channels
- Connection type: compatible socket
- Output max. current: 63A(AC230V)
- Each channel max. output current: 30A/60s or 10Arms Sequence
- control each step time space: editable free
- Power filter qty: 8pcs build-in independent filters, each channel has 1pcs
- Power filter data: level 2 filtering, damping 40dB at 150kHz-3MHz
- USB socket max. output voltage/current: 5V/Max. 2A
- Power: AC230V \pm 10% 50Hz



FEATURES

- The biggest feature is add a 2-stage EMI/EMC noise filter on the basis of the control in 1018, that can block many interferences enter the equipment from the power supply such as strong ratio, electric spark and others, will make a positive effect in sound quality and stability.
- The cascade and network control are connected through the RJ45 of the front panel, the communication mode has RS-232, RS-485, TCP/IP three ways.

LOGISTICS DATA

Single Carton size	550x410x90mm
Single Carton gross weight	5.60kg
Units per master carton	4
Master carton size	570x420x400mm
Master carton gross weight	23.5kg

Tools & Accessories

Installing and operating professional audio systems is easier, faster and more convenient with the right tools at hand.



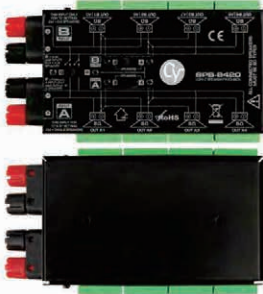


SPB-8420

Low Z Speaker Installation Patch Box

FEATURES

- Low Impedance Speaker Patch Box
- 2x Binding post inputs for 2.5 sqmm cables from a 4-Ohm capable amplifier output
- 8x 5.08mm speaker outputs on Phoenix-style terminals
- Designed for 8-Ohm speakers
- Output configuration settable by 3 slide switches, available configurations:
 - A: 2x2 speakers, load impedance 2x4Ω
 - B: 2x4 speakers, load impedance 2x8Ω
 - C: 1x8 speakers, load impedance 1x4Ω
- Terminal plugs for outputs supplied with unit
- No power supply required
- Simple wall or ceiling mounting
- Full metal case
- CE/ROHS compliant



TECHNICAL DATA

Max. Power Handling.....2x100W or 1x200W
 Speaker Impedance8 Ohms
 Dimensions.....L175xH25xD95mm
 Weight.....0.6 kg

LOGISTICS DATA

Order Number.....2007901
 Single unit EAN-13.....5060502920140
 Single Carton size.....200x110x35mm
 Single Carton gross weight.....0.75kg
 Units per master carton.....8
 Master carton size.....215x235x160mm
 Master carton gross weight.....6.5kg

CONCEPT

Many installed sound systems work with 4, 8 or a maximum of 16 speakers, and serve relatively limited areas of up to 300sqm, with the main target of music replay. Typical installations of this nature encompass retail shops, restaurants and bars. While 100V line systems are a possible choice for such applications, the required transformers can prove to be expensive while limiting audio bandwidth and causing saturation losses. A low impedance system is hence a viable alternative, and to reduce the complication of installation with required parallel and serial wiring. CY Audio offers a solution with the SPB-8420. This low impedance speaker installation patch box takes away the hassle of determining the correct combination of parallel and series wiring, and also solves the problem of wire impedance load balancing by keeping the wire lengths, cross-sections and impedances the same for every connected speaker. The SPB-8420 is designed for the use with 8 Ohm speakers. The necessary configuration can be selected via 3 top-panel switches, and can be set between a stereo mode with either 2x2 or 2x4 speakers, or a mono mode with 8 speakers. For 16-speaker installations, the use of two units is required. The SPB-8420 is intended to be placed in the center of the speaker arrangement, with cables running from the driving amplifier into the input binding posts. Speakers are connected via 5.08mm Phoenix-style connectors, with the necessary plugs supplied with the unit. The unit is passive, requires no power supply and sports a mounting system for simple mounting on walls or ceilings. The SPB-8420 is the perfect solution for contractors who are determined to provide the best sound for an attractive cost by opting for a low-impedance system.

RPK-2000

Dual Unit Rack Mount Kit



CONCEPT

The RPK-2000 is a rackmount kit for "small box" CY Audio products, both for 178mm width format (like DMP-230V2) and 140mm width format (like UAI-2210). It utilizes the mounting brackets included with the single products, and provides a stable and sturdy way of mounting them into a standard 19" rack. For the case of only one product to be rack-mounted, a blind panel is included to cover the other mounting aperture. The RPK-2000 is a simple and durable way of organizing rackspace to its best utilization. Screws for product mounting are included, rack mounting screws are not included.

FEATURES

- 19"/1U rackmount kit
- Designed for Hill Audio "small box" products
- Accommodates for both 178mm and 140mm width products
- Requires brackets delivered with products
- Sturdy U-shaped design
- 2 mounting apertures
- Supplied with one blank panel
- Product mounting screws included
- Rack mounting screws excluded
- Full metal construction

TECHNICAL DATA

Dimensions.....W483xH44.5xD30.0mm
Weight.....0.35 kg

LOGISTICS DATA

Order Number.....2003341
Single unit EAN-13.....5060502921024
Single Carton size.....535x60x60mm
Single Carton gross weight.....0.6kg
Units per master carton.....9
Master carton size.....560x200x200mm
Master carton gross weight.....4.2kg



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