



acmaudio
Speaker Control Processors

DP Series Digital Processors

DP306 DP408



3-channel balanced input and 6-channel balanced output for 3*6 processor;
4-channel balanced input and 8-channel balanced output for 4*8 processor;
24-bit,48kHz sampling rate, $\Sigma-\Delta$ AD/DA convertor, 32bits DSP chip.
Input processing includes Gain, Mute, Noise gate, high-cut, low-cut, 8parameter EQ, Phase, Delay and so on.
Output processing includes crossover, 5parameterEQ, Gain, Mute, compressor/Limiter, Phase, Delay and so on.
Every input and output can do matrix assign flexiably.
Adjustable PEQ frequency, Gain and bandwidth; we can choose style:PEAK、H-SHELVE、L-SHELVE.
We can choose the style of all Hight-cut, low-cut filter and Distributor unit:Butterworth、Linkwitz-Riley、Bessel;
Choice slope is from -6dB/Oct to -48dB/Oct.
Adjustable compressor/limitor value, rate, startup time and resume time.
Adjustable value, startup time, resume time of all noise gate.

	DP306	DP408
Performance		
Frequency response	20~20KHz(± 0.5 dB)	20~20KHz(± 0.5 dB)
S/N Ratio	>115dBu	>115dBu
Cross-talk	<100dB below full scale	<100dB below full scale
THD	0.01%(1KHz,1Vrms)	0.01%(1KHz,1Vrms)
Input		
Input impedance	1m Ω	1m Ω
Maxium input level	+20 dBu	+20 dBu
Input gain	-60.0dB~+12.0dB,step 0.5dB	-60.0dB~+12.0dB,step 0.5dB
Input connection	XLR	XLR
Sampling rate	48KHz	48KHz
Output		
Output impedance	<500 Ω	<500 Ω
Maxium output level	+20 dBu	+20 dBu
Output gain	-60.0dB~+12.0dB,step 0.5dB	-60.0dB~+12.0dB,step 0.5dB
Output connection	XLR	XLR
Crossover filter		
Frequency	19.7Hz~21.9kHz,OFF	19.7Hz~21.9kHz,OFF
Slope	6,12,18,24,32,40,48dB	6,12,18,24dB
Type	Butterworth,Bessel,Linkwitz	Butterworth,Bessel,Linkwitz
EQ		
EQ number	8 EQ every input channel, 5 EQ every output channel	6 EQ every input channel, 4 EQ every output channel
EQ type	Parametric,L-Shelf ,H-Shelf	Parametric,L-Shelf ,H-Shelf
EQ gain	-12dB~+12dB,step 0.5dB	-12dB~+12dB,step 0.5dB
EQ frequency	20Hz~20kHz	20Hz~20kHz
PEQ Q	0.4~128	0.4~128
Delay		
Input delay	682ms	682ms
Output delay	682ms	682ms
Delay step	0.021ms	0.021ms
Limiter		
Limiter threshold	-20dBu~10dBu,step 1dBu	-20dBu~10dBu,step 1dBu
Limiter radio	1.2/1,1.5/1,2/1,3/1,4/1,6/1,10/1,20/1,Infinite	1.2/1,1.5/1,2/1,3/1,4/1,6/1,10/1,20/1,Infinite
Attack time	0.5,1,2,5,10,20,50ms/dB	0.5,1,2,5,10,20,50ms/dB
Release time	10,20,50,100,200,500ms/dB,1sec/dB	10,20,50,100,200,500ms/dB,1sec/dB
Power	AC110~120V/220~240V,50Hz~60Hz	AC110~120V/220~240V,50Hz~60Hz
Fuse	2A FAST	2A FAST
Watt	30W	30W
Dimension	480mmx44mmx205mm	480mmx44mmx205mm
Weight	2.9kg	2.9kg

SCS Series

Digital Processors

SCS224 SCS226



2-channel balanced input and 4-channel balanced output for 2*4 processor;
2-channel balanced input and 6-channel balanced output for 2*6 processor;
24-bit,48kHz sampling rate, $\Sigma - \Delta$ AD/DA convertor, 32bits DSP chip.

Input processing includes Gain, Mute, Noise gate, high-cut, low-cut, 8parameter EQ, Phase, Delay and so on.
Output processing includes crossover, 5parameterEQ, Gain, Mute, compressor/Limiter, Phase, Delay and so on.
Every input and output can do matrix assign flexiably.

Adjustable PEQ frequency, Gain and bandwidth; we can choose style:PEAK、H-SHELVE、L-SHELVE.
We can choose the style of all Hight-cut, low-cut filter and Distributor unit:Butterworth、Linkwitz-Riley、Bessel;
Choice slope is from-6dB/Oct to-48dB/Oct.

Adjustable compressor/limitor value, rate, startup time and resume time.
Adjustable value, startup time, resume time of all noise gate.



Performance	
Frequency response	20~20KHz(± 0.5 dB)
S/N Ratio	>115dBu
Cross-talk	<100dB below full scale
THD	0.01%(1KHz,1Vrms)

Input	
Input impedance	1m Ω
Maxium input level	+20 dBu
Input gain	-60.0dB~+12.0dB,step 0.5dB
Input connection	XLR
Sampling rate	48KHz

Output	
Output impedance	<500 Ω
Maxium output level	+20 dBu
Output gain	-60.0dB~+12.0dB,step 0.5dB
Output connection	XLR

Crossover filter	
Frequency	19.7Hz~21.9kHz,OFF
Slope	6,12,18,24,32,40,48dB
Type	Butterworth,Bessel,Linkwitz

EQ	
EQ number	8 EQ every input channel, 5 EQ every output channel
EQ type	Parametric,L-Shelf ,H-Shelf
EQ gain	-12dB~+12dB,step 0.5dB
EQ frequency	20Hz~20kHz
PEQ Q	0.4~128

Delay	
Input delay	682ms
Output delay	682ms
Delay step	0.021ms

Limiter	
Limiter threhold	-20dBu~10dBu,step 1dBu
Limiter radio	1.2/1,1.5/1,2/1,3/1,4/1,6/1,10/1,20/1,Infinite
Attack time	0.5,1,2,5,10,20,50ms/dB
Release time	10,20,50,100,200,500ms/dB,1sec/dB

Power	AC110~120V/220~240V,50Hz~60Hz
Fuse	2A FAST
Watt	30W
Dimension	480mmx44mmx205mm
Weight	2.9kg

External Speaker Crossover

CA432



The CA432 is an active frequency crossover enabling 2 or 3-way stereo or even 4-way mono operation. Each band features two 24-dB Linkwitz-Riley filters, as well as individual IGC limiters, while the integrated delay enables flexible time alignment. Polarity switches for each output allow quick and easy runtime compensation for various driver and horn types.

Input

Connectors	XLR
Type	Electronically servo-balanced, RF filtered
Impedance	Balanced >50k Ohms, unbalanced >25k Ohms
Max. Input level	+22 dBu typical, balanced or unbalanced
CMRR	>40 dB, typically >55dB at 1 kHz

Output

Connectors	XLR
Type	Electronically servo-balanced, RF filtered
Impedance	Balanced 60 Ohms, unbalanced 30 Ohms
Max. Output level	+20 dBm balanced/unbalanced

Performance

Bandwidth	20Hz to 20kHz, +0/-0.5dB
Frequency Response	<5Hz to >90kHz, +0/-3dB
Signal to Noise	Ref.: +4dBu, 20Hz to 20kHz, unweighted Stereo Mode: >93dBu Mono Mode: >93dBu
Low Output	>93dBu
Low-Mid Output	>94dBu
Mid Output	>95dBu
High-Mid Output	>94dBu
High Output	>90dBu>88dBu
Dynamic Range	>106dB, unweighted
THD & Noise	Limiter OffLimiter On <0.04%<0.5
Interchannel Crosstalk	High to Low:<93dBu High to Mid:<94dBu High to Low:<95dBu High to High-Mid:<95dBu High-Mid to Low-Mide:<95dBu Low-Mid to Low:<92dBu

Crossover

Filter Type	Linkwitz-Riley, 24 dB/octave, state-variable
Stereo Mode Frequencies	x 1x 10
Low/High	45 to 1kHz450Hz to 10kHz
Low/Mid	45 to 1kHz450Hz to 10kHz
Mid/High	450Hz to 10kHz
Mono Mode Frequencies	x 1x 10
Low/Low-Mid	45 to 1kHz450Hz to 10kHz
Low-Mid/High-Mid	450Hz to 10kHz
High-Mid/High	450Hz to 10kHz

Function Switches

Front Panel	Activates 25Hz Butterworth, 12dB/Octave
Low Cut	high-pass filter
Mute	Mutes the individual output
Phase Invert	Inverts the phase at the individual output
CD Horn	Corrects CD horn frequency response above 3.5kHz Activates the limiter function for all outputs
Limiter	
Rear Panel	Multiplies crossover frequency ranger by 10
Xover Frequency	Selects stereo/mono and 2/3/4-way operation
Mode	Selects normal stereo or mono-summed low frequency operation
LF Sum	ON=Channel 1 + 6dB louder/Channel 2: the same as before

Controls

Input	Controls the input gain (+/-12dB)
Xover Frequency	Controls the crossover frequency
Delay	Controls the delay at the low output (0 to 2 msec.)
Gain	Controls the output gain (+/-6dB)
Threshold	Controls the thereshold of the limiter (-6dB to OFF)

Power Supply

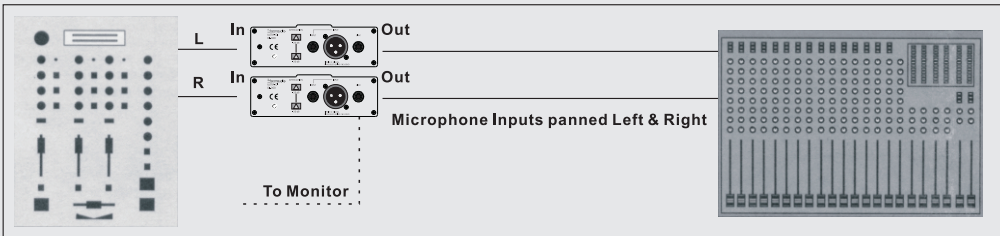
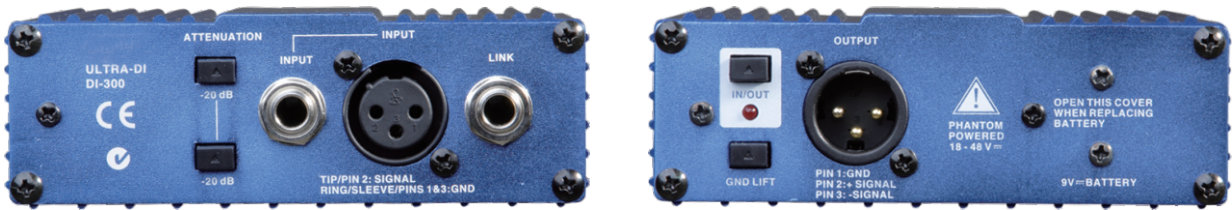
Mains Voltages	USA/Canada120V~,60Hz U.K./Australia240V~,50Hz Europe230V~,50Hz General Export Model 95~120V~, 210-240V~, 50-60Hz
Power Consumption	<22W
Fuse	95~120V:~T 1A H 210-240V:~T 500mA H
Mains Connection	Standard IEC receptacle

Physical

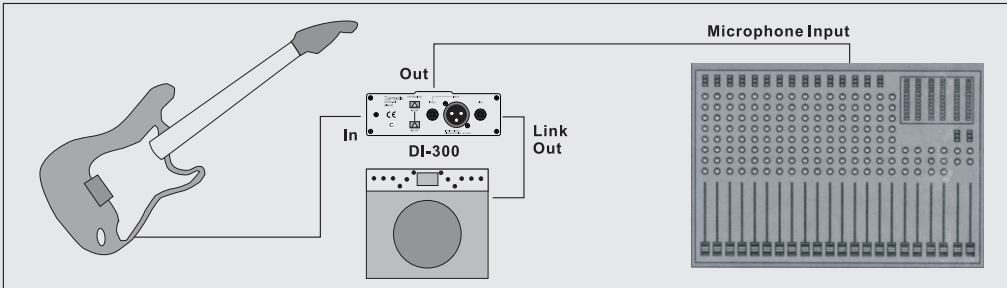
Dimensions	483 x 200 x 45mm/19(L)" x 7.9(W)" x 1.77(H)"
Net Weight	3 kg(6.61lb)

Active DI Box

DI-300



DJ-mixer — 2 x DI — Mixer



Guitar — DI — Amp/Mixer

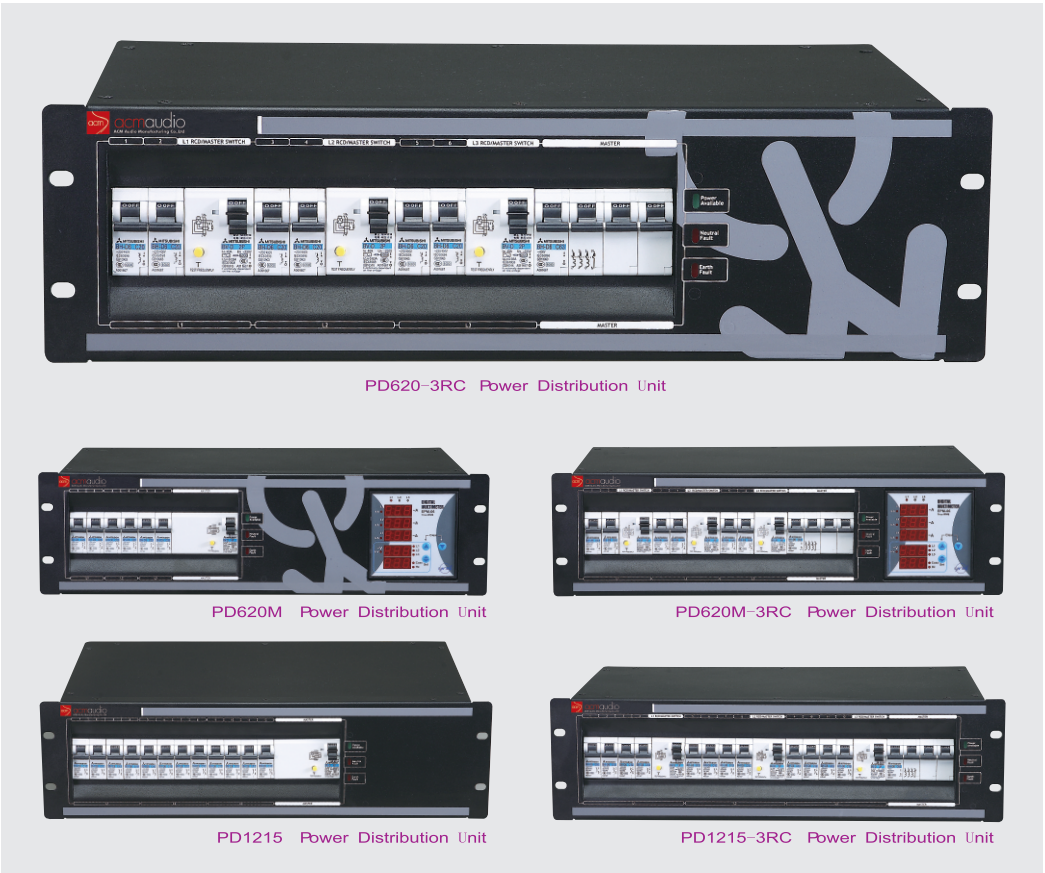
Frequency Response	10 Hz to 93kHz		
Noise Level	-110 dBu		
THD+N @ 1 kHz /0 dBu	<0. 005%		
Input Impedance	>250 kOhm		
Load Impedance	>600 Ohm	Power supply	
Inputs	1/4" ack unbal. In/Link Out	Phantom power	18 V DC to 48 V DC
	XLR unbalanced In	Battery	9 V blockcell 6LR91
Output	XLR balanced Out	Dimensions	82mm X 164mm X 155mm
Maximum Input level	+10/+30/+50 dBu	Weight	500g

Power Distribution Unit

PD620 PD620M PD620-3RC
PD620-3RC PD1215 PD1215-3RC



PD620 Power Distribution Unit



Model	PD620	PD620M	PD620-3RC	PD620M-3RC	PD1215	PD1215-3RC
Number of power output circuits	12	12	12	12	12	12
Switch Numbers	6	6	6	6	12	12
Output circuit capacity	20 AMP	20 AMP	20 AMP	20 AMP	15 AMP	15 AMP
Output circuit connector	3 pin	3 pin	3 pin	3 pin	3 pin	3 pin
Supply input cable	3x6mm ² +2x4mm ²	3x6mm ² +2x4mm ²	3x6mm ² +2x4mm ²	3x6mm ² +2x4mm ²	3x6mm ² +2x4mm ²	3x6mm ² +2x4mm ²
Input power status indicators	Yes	Yes	Yes	Yes	Yes	Yes
Master Input switch type	RCD 4P 63Amp	RCD 4P 63Amp	MCB 3P+N 63Amp C	MCB 3P+N 63Amp C	RCD 4P 63Amp	MCB 3P+N 63Amp C
Single phase master switch	-----	-----	Yes	Yes	-----	Yes
Single phase master switch type	-----	-----	RCD 2P 40Amp	RCD 2P 40Amp	-----	RCD 2P 40Amp
Display of current, voltage, frequency power factors	-----	Yes	-----	Yes	-----	-----
19"Rack Mount 3RC Chassis	Yes	Yes	Yes	Yes	Yes	Yes
Weight(kg)	11.5	12	12	12.5	12	12.5
Dimensions(mm)	525W x 215H x 505D					

Conditioned Power Distribution

PD820V

- 8 channel outputs, independent control
- High solution time sequence control, sequence starting
- Independent indication LED for each channel
- High solution Voltage display
- Reliable breaker over current circuit design
- Standard 1RU cabinet design for easy installation
- Through output port available for temporary equipments connection



- Power Supply: ~220V / 50Hz
- Power Capability: ~220V / 32A, Max 10A output/ channel
- Channels Controlled: 8 Channels/(American Socket)
- Sequence interval: 2-3S
- Dimensions (L x W x H): 483 x 227 x 44mm
- Weight: 3.8kg