

INSTALLER'S GUIDE

Professional Installation Product Range

2008-2009

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When ECLER was first set up in 1965, its chief and practically its only asset was its enthusiasm. Today, now that our company is about to celebrate its 50th birthday, we have one of the widest offers in professional audio and have succeeded in making our firm known all over the world.

Since ECLER started its business activities, it has always been committed to Innovation and Research. This, together with our obsessive eye for detail, have made us worthy of the loyalty shown by our customers, thanks to whom we have been able to consolidate our business project and become the leading actors in a creative technological future.

We are proud to present our first Installer's Guide, for the purpose of grouping together all the necessary information for offering comprehensive solutions in audio projects. Through this, we aim to continue to be worthy of our clients' trust and make their work much easier. You will see that its pages still contain our most valuable asset: our enthusiasm.

Enrique Casimiro Gibert
Director General of ECLER

VALUES

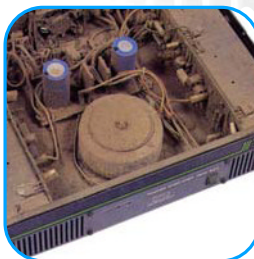


Quality

The ISO9001 standard guarantees organised internal functionalities. The QUALITY procedure protocols are also applied to commercial relations between suppliers and clients. All our production processes have been designed to guarantee quality and the full satisfaction of our clients. ECLER does not believe in sampling criteria in quality control, which would lead to a production that is not entirely TRUSTWORTHY.

Reliability

All the ECLER products are designed to last, maintain their services and remain free from failures for many years, even in extreme conditions of use, thereby guaranteeing low MTBF (Medium Time Between Fails) ratios.



Innovation

ECLER firmly believes that INNOVATION is essential in providing the market with audio solutions that require a pioneer approach. Several technological achievements, such as SPM technology, class D amplification and many other technologies applied to DJ products are the result of one of the main objectives of ECLER: INNOVATION.

The Team

People are one of our chief assets: a wide distribution network, relational marketing, specialists in product follow-up, our own projects department, technical assistance service, training and cooperation... all with a view to better understanding what is required of our company and our SERVICE



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DT series

DT4800
DT6800

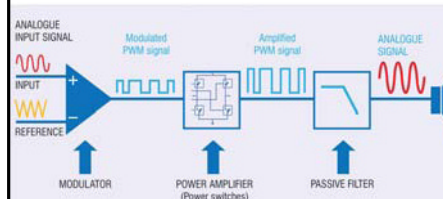
amplifiers

Hi end stereo class D light amplifiers

DT Series Key Features

- First high performance "all the power all the time" amplifier line
- 3320 W RMS per channel on 2 ohms (DT6800) in only 9,8 kg
- Stabilized resonant structure switch-mode power supply with PFC (Power Factor Correction)
- Class BD. Digital Trilevel amplifying technology
- Low distortion, comparable to an analogue amplifier
- Smart back to front COOLING system
- Effective protection systems that do not affect audio quality with status indicators
- A2SP Analog Autogain Signal Processor: input signal management in stress work conditions
- Intelligent variable threshold ANTICLIP protection
- On board 20Hz or off subsonic filter
- Robust, road tested. Certified to pass EN 60068-2-6:1995, level 5M3 as described on IEC 60721-3-5:1997
- Tropicalized printed board to minimize the adverse effects of humidity and salty environments
- Anti manipulation plastic caps
- Adjustable nominal gain (1V, 32 dB, 26 dB, 24 dB).
- XLR input and stack connectors
- Speakon output connectors
- Complies with EMC (Electromagnetic Compatibility) regulations
- 2 RU High
- Three year warranty

CLASS D: PWM AMPLIFIER (Pulse Width Modulation)



Efficiency rises spectacularly up to more than 90%. Weight is reduced 30%. Heatsinks dimensions become 6 times smaller than conventional amps with similar output powers



DT power fast guide

	DT4800	DT6800
Maximum output power per channel 0,3% THD, 1kHz *	2350 W RMS	3320 W RMS
	1320 W RMS	1794 W RMS
	700 W RMS	960 W RMS

*Max RMS output power remain constant even in heavy use situations and is independent from warm up time

Technical Characteristics

DT4800

DT6800

Maximum RMS Output Power per channel 0,3% THD, 1kHz *	2350 W 1320 W 700 W	3320 W 1794 W 960 W
Frequency response (-1dB / -3dB)	10Hz-35KHz	
High pass filter (-3dB)	~20Hz	
THD+Noise @ 1kHz Full Pwr.	<0,05%	
Imd, Dist. 50Hz & 7kHz, 4:1	<0,03%	
TIM 100	<0,04%	
S+N/N 20Hz-20kHz @ 1W/4Ω	>85dB	
Damping factor 1kHz @ 8Ω	350	
Channel crosstalk @ 1kHz	>65dB	
Input connector	XLR3 balanced	
Input CMRR/ref. Max. PWR	>60dB	

DT4800

DT6800

Input Sensitivity / Impedance	0dBV/10kHz	
Signal present indicator	-40dB	
Output connectors	Speak-on	
Mains	230V AC	
Power consumption (max.Out)	2700 VA	3650 VA
Dimensions Panel	482.6x88mm	
Depth	458mm	
Weight	9.8 Kg.	

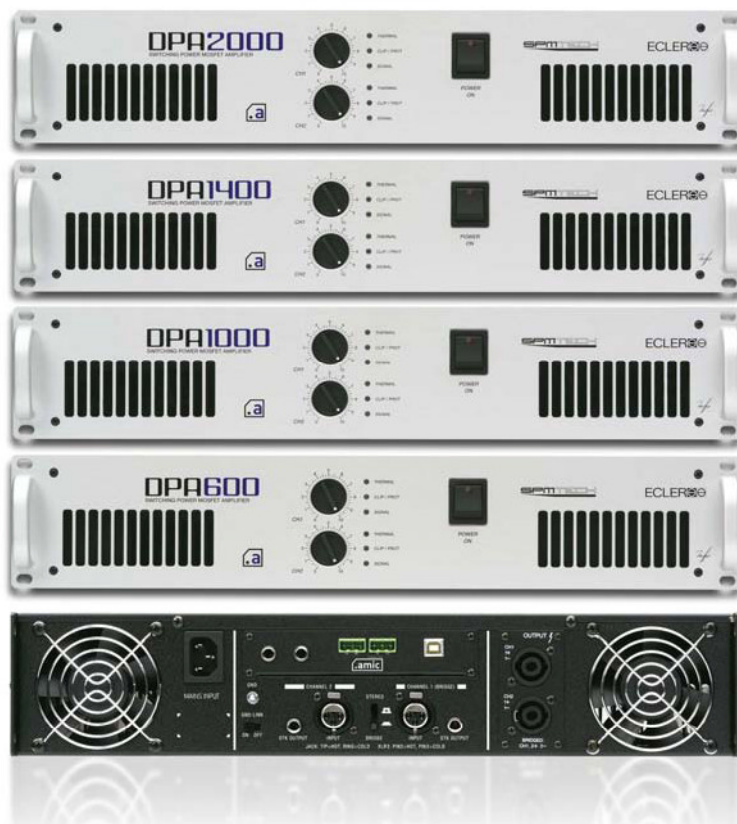
* Maximum RMS Output power remain constant even in heavy use situations and is independent to warm up time.

Applications

- Live sound applications
- Permanent installations

DPA series

DPA600, DPA1000,
DPA1400, DPA2000



Line of stereo power amplifiers for the high end installation

DPA Key features

- ECLER patented SPM amplifying technology
- Drive down to 2Ω loads
- Balanced inputs (XLR), balanced stack outputs (JACK), Speakon® output connectors
- Intelligent ANTICLIP system: always on. Limits Harmonic Distortion by monitoring the transient behaviour of the input signal
- Independent channel THERMAL protection when unit reaches 90°C (194°F). Front panel indicator
- PROTECT indicator when DC, low freq signals, or short-circuit load situations
- SIGNAL PRESENT front panel indicator (-40dBV)
- CLIP indicator active when output signal is 1.5dB below real clipping
- On board 25Hz or off SUBSONIC filter
- CROWBAR relay-free DC protection circuitry
- Smart back to front COOLING system
- AMIC and UCM cards compatible
- Tamper proof plastic caps
- 2 RU high
- Three year warranty

DPA power fast guide		DPA600	DPA1000	DPA1400	DPA2000
POWER 20-20kHz 1% THD (Both channels driven)	2Ω Stereo	410 W RMS	682 W RMS	990 W RMS	1420 W RMS
	4Ω Stereo	275 W RMS	440 W RMS	635 W RMS	940 W RMS
	8Ω Stereo	180 W RMS	275 W RMS	395 W RMS	550 W RMS
	8Ω Bridged	550 W RMS	882 W RMS	1270 W RMS	1880 W RMS

DPA and DPA-T Accessories

- **AMIC DSP** card for extensive and comprehensive signal processing. PC remote controlled by AMICLAB friendly setup software. Turns DPA and DPA-T amplifier into a complete audio solution
- **UCM20** universal crossover module for bi-amped applications
- **DLA600** dual 100V adaptor for DPA600

DPA and DPA-T SERIES Applications

- Clubs
- Theme restaurants
- Discos
- Leisure centres
- Cinemas and theatre
- Educational centres
- Boardrooms and conference centres
- Sports Centres
- Mobile outdoor applications

DPA-T series

DPA2500T, DPA4000T

amplifiers

Line of stereo power amplifiers for the high end installation

DPA-T Key features

- ECLER patented SPM amplifying technology
- All the power all the time: permanent sound quality no matter how long the unit is working
- Drive down to 2Ω loads
- A2SP Analog Autogain Signal Processor: input signal management in stress work conditions
- Balanced inputs (XLR), Balanced stack outputs (XLR), Speakon® output connectors
- Intelligent ANTICLIP system: always on. Limits Harmonic Distortion by monitoring the transient behaviour of the input signal
- Independent channel THERMAL protection when unit reaches 90°C (194°F). Front panel indicator
- BRIDGE mode indicator
- PROTECT indicator for DC, low freq signals, or short-circuit load situations
- SIGNAL PRESENT front panel indicator (-40dBV)
- CLIP indicator active when output signal is 1.5dB below real clipping
- On board 25Hz or off SUBSONIC filter
- CROWBAR relay-free DC protection circuitry
- Smart back to front COOLING system
- AMIC and UCM cards compatible
- Tamper proof plastic caps
- 3 RU high
- Three year warranty

SPM MOSFET AMPLIFYING TECHNOLOGY

- Lower internal resistance, less heating, excellent bass control.
- Optimal sound transparency thanks to MOSFETs speed. Excellent TIM values.



DPA-T power fast guide

	DPA 2500T	DPA 4000T
POWER 20-20kHz	1610 W RMS	2800 W RMS
1% THD	1130 W RMS	1880 W RMS
(Both channels driven)	680 W RMS	1110 W RMS
8Ω Stereo	2260 W RMS	3760 W RMS
8Ω Bridged		

Tech. Characteristics DPA 600 DPA 1000 DPA 1400 DPA 2000 DPA 2500T DPA 4000T

POWER 20Hz-20kHz	2Ω Stereo	410 WRMS	682 WRMS	990 WRMS	1420 WRMS	1610 WRMS	2800 WRMS
1% THD	4Ω Stereo	275 WRMS	440 WRMS	635 WRMS	940 WRMS	1130 WRMS	1880 WRMS
(Both channels driven)	8Ω Stereo	160 WRMS	275 WRMS	395 WRMS	550 WRMS	680 WRMS	1110 WRMS
	8Ω Bridged	550 WRMS	882 WRMS	1270 WRMS	1880 WRMS	2260 WRMS	3760 WRMS
Peak Power 2Ω / 1kHz	0,98Kw	1,5Kw	2Kw	2,95Kw	3800 WRMS	6100 WRMS	
Frequency response [-1dB]	7Hz-50kHz	7Hz-50kHz	7Hz-50kHz	6Hz-50kHz	6Hz-80kHz	6Hz-85kHz	
High pass filter [-3dB]	25Hz/Butt./18dB/oct.						
THD + Noise @ 1kHz Full power	<0,03%	<0,03%	<0,03%	<0,07%	<0,07%	<0,07%	
Imd, Dist, 50Hz & 7kHz 4:1	<0,05%	<0,06%	<0,08%	<0,08%	<0,08%	<0,08%	
TIM 100	<0,01%	<0,01%	<0,01%	<0,01%	<0,04%	<0,04%	
S+N/N 20Hz-20kHz @ 1Ω / 4Ω	>85dB	>85dB	>85dB	>85dB	>84dB	>84dB	
Damping factor 1kHz @ 8Ω	>300	>300	>300	>300	>320	>370	
Slew Rate	±60V/μs	±65V/μs	±75V/μs	±80V/μs	±125V/μs	±135V/μs	
Channel Crosstalk @ 1kHz	>75dB	>75dB	>75dB	>75dB	>74dB	>74dB	

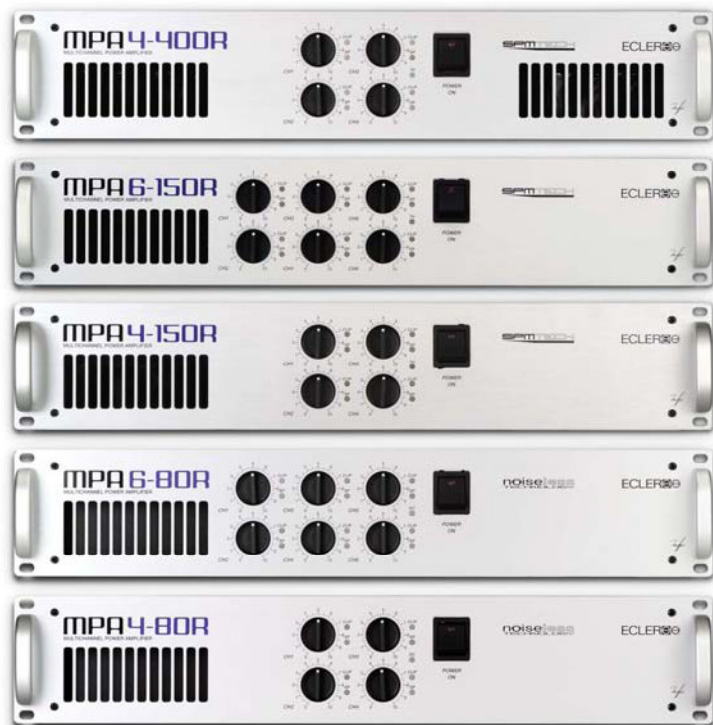
DPA 600 DPA 1000 DPA 1400 DPA 2000 DPA 2500T DPA 4000T

Input connectors	XLR3 balanced					
Input CMRR/ref. Max. PWR	>60dB@1kHz			>64dB@1kHz		>70dB@1kHz
Input sensitivity / impedance	0dBV / >20kΩ					
Signal present indicator	-40dB					
Output connectors	Speakon®					
Clip indicators	-1,5dB real clip					
Anticlip limiter	Intelligent A2SP					
Mains	Depending on your country					
Power consumption (max. Out)	830VA	1250VA	1720VA	3115VA	4100VA	6760VA
Dimensions Panel Depth	482,6x88mm 420mm			482,6x88mm 470mm		482,6x132,5mm 532mm
Weight	12,7kg	16,6kg	19,3kg	22,7kg	29,7kg	34,1kg

Product

MPA-R series

MPA4-80R, MPA6-80R,
MPA4-150R, MPA6-150R,
MPA4-400R



Line of multi-zone power amplifiers for high end installations

Key features

- 2 RU high, 19" installation multi-channel amplifier series
- Extended linear power supply
- ECLER SPM patented technology (MPA4-150R, MPA6-150R, MPA4-400R)
- Individual input sensibility controls with sealing possibility to avoid unwanted manipulation
- Signal presence (SP) and CLIP indicators for each channel
- Balanced inputs (XLR) , EUROBLOCK output connectors
- Stack outputs (JACK) on all models
- Input channels link switch for superior versatility
- Independent VCA (EUROBLOCK) remote control for each input channel on all models via 0-10 V signal, or remote on wall volume control REVO10A
 - Noiseless convection cooling (MPA4-80R and MPA6-80R)
 - Dual Slope Controlled Fan system (MPA4-150R, MPA6-150R and MPA4-400R)
 - Totally protected against shorting, DC at the outputs and overheating
 - Integrated internal 3rd order Butterworth HI-pass and LO-pass x-over (MPA4-150R, MPA6-150R, MPA4-400R) for bi-amped applications
 - 2 RU high
 - Three year warranty



REVO 10A

MPA-R series
MULTI-CHANNEL POWER AMPLIFIER

MPA-R power fast guide

	MPA4-80R	MPA6-80R	MPA4-150R	MPA6-150R	MPA4-400R
POWER 20-20kHz 1% THD					
1 Channel @4Ω	80 W RMS	85 W RMS	160 W RMS	170 W RMS	410 W RMS
1 Channel @8Ω	50 W RMS	52 W RMS	100 W RMS	110 W RMS	230 W RMS
1 Bridget Channel @8Ω (all channels driven)	117 W RMS	123 W RMS	300 W RMS	330 W RMS	610 W RMS

Accessories

- **REVO10A**: on-wall remote level control for MPA-R series. Frame, circuit board and holder included. To fit into standard wall-mounting installations. Dimensions (mm): 89x82x60. Snow white colour
- **DLA600**: dual channel 100V adaptor for MPA4-150R, MPA6-150R and MPA4-400R
- **DLA4-80, DLA6-80**: 4/6 channel 100V adaptor for MPA4-80R and MPA6-80R

MPA-R Applications

The reliable multi-channel solution for all applications requiring multi-zone audio distribution

- Theme parks
- Clubs
- Theme restaurants
- Multi-purpose halls
- Boardrooms and conference halls
- Franchise retail shops

noiseless
TECHNOLOGY

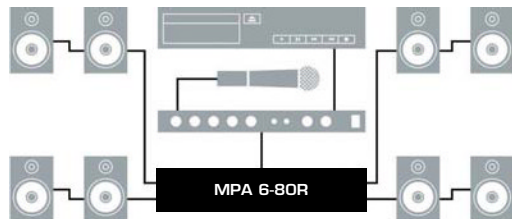
MPA-R series

MPA4-80R, MPA6-80R,
MPA4-150R, MPA6-150R,
MPA4-400R

amplifiers

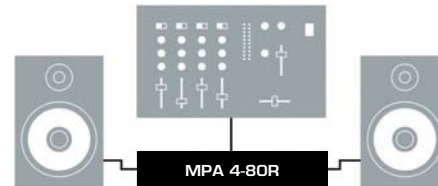
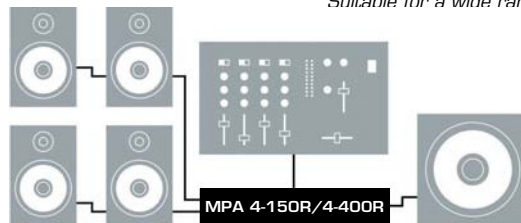
MPA-R Applications layout

All MPA-R input channels are remotely controllable by REV010A on-wall volume control.



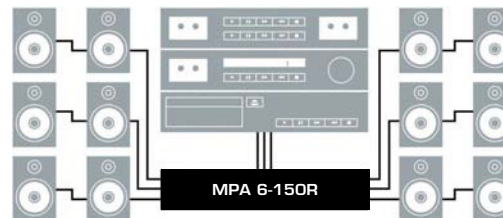
6 zone corporate office using a SAM512T mixer.

Standard stereo amplifier connected to a mixing console.
Suitable for a wide range of applications.



Biamped configuration in a single MPA4-150R or MPA4-400R.

3 different stereo audio contents to 3 zones.



MPA 6-80R

MULTICHANNEL POWER AMPLIFIER

Tech. Characteristics

MPA4-80R MPA6-80R MPA4-150R MPA6-150R MPA4-400R

POWER 20Hz-20kHz 1% THD	1 Channel @ 4Ω WRMS 1 Channel @ 8Ω WRMS All Channels @ 4Ω WRMS All Channels @ 8Ω WRMS 1 Bridged channel @ 8Ω All Bridged channels @ 8Ω	80 WRMS 50 WRMS 55 WRMS 40 WRMS 117 WRMS	85 WRMS 52 WRMS 58 WRMS 48 WRMS 123 WRMS	160 WRMS 100 WRMS 120 WRMS 83 WRMS 300 WRMS	170 WRMS 110 WRMS 130 WRMS 90 WRMS 330 WRMS	410 WRMS 230 WRMS 305 WRMS 200 WRMS 610 WRMS
Frequency response [±1dB]	20Hz - 30kHz	7Hz - 30kHz	7Hz - 50kHz			
Filter (HiLo) 3rd order Butterworth	-	-	160Hz			
THD+Noise* @ 1kHz Full Pwr.	<0,02%		<0,05%			
Intermodulation distortion* 50Hz & 7kHz, 4:1	<0,02%		<0,06%		<0,08%	
THM 100*	<0,05%		<0,04%	<0,06%		<0,03%
S+N/N 20Hz - 20kHz* @ 1W/4Ω			>90dB			>85dB
CMRR*	-	-	>55dB			-

noiseless TECHNOLOGY

MPA4-80R MPA6-80R MPA4-150R MPA6-150R MPA4-400R

Damping factor 1kHz @ 8Ω	>160		>300	
Slew Rate	±10V/μs	±18V/μs	±50V/μs	
Channel crosstalk @ 1kHz*	>60dB	>55dB	>70Hz	
Input Sensitivity / Impedance	0dBV / >20kΩ			
Anticlip	-	2% THD	1 & 5% THD	
Power consumption (max, Out)	524VA	800VA	1095VA	1590VA
Dimensions (mm)	482,6x88x391		482,6x88x426	
Weight	9,5kg	11,2kg	12,6kg	15,25kg

* VCA OFF

XPA series

XPA3000, XPA5000,
XPA7000, XPA11000



Line of entry level power amplifiers

XPA Key Features

- Class G and H - 3 steps (XPA11000) amplifying technology
- Extended power supply
- Work modes: stereo (down to 2Ω loads) , parallel, bridged
- Balanced inputs (XLR), balanced stack outputs (JACK)
- Outputs on connection posts and Speakon® connectors
- Intelligent ANTICLIP system: always on. Limits Harmonic Distortion by monitoring the transient behaviour of the input signal
- SIGNAL PRESENT front panel indicator (-40dBV)
- CLIP indicator
- PROTECT indicator when DC, low freq signals, short circuit or overheating situations
- On board 30Hz or off SUBSONIC filter
- Input sensitivity selector (0.775V, 1V, 1.4V)
- Smart back to front COOLING system
- Tamper proof plastic caps
- 2 RU High
- 2 year warranty

XPA power fast guide

		XPA3000	XPA5000	XPA7000	XPA11000
POWER 20-20kHz 1% THD (Both channels driven)	4 Ω Stereo	295 W RMS	498 W RMS	718 W RMS	1180 W RMS
	8 Ω Stereo	198 W RMS	314 W RMS	450 W RMS	745 W RMS
	8 Ω Bridged	590 W RMS	996 W RMS	1436 W RMS	2360 W RMS

Tech. Characteristics XPA3000 XPA5000 XPA7000 XPA11000

POWER 20-20kHz 1% THD Both channels driven	4 Ω Stereo	295 WRMS	498 WRMS	718 WRMS	1180 WRMS
	8 Ω Stereo	198 WRMS	314 WRMS	450 WRMS	745 WRMS
	8 Ω Bridged	590 WRMS	996 WRMS	1436 WRMS	2360 WRMS
Frequency response (-1dB/-3dB)	10Hz/120kHz				10Hz/60kHz
High pass filter (-3dB)	30Hz/18dB oct.				
THD+Noise @ 1kHz Full Pwr.	<0,05%	<0,05%	<0,1%	<0,1%	
S+N/N 20Hz-20kHz @ 1W/4 Ω	>78dB				
Damping factor 1kHz @ 8 Ω	>300				
Slew Rate	$\pm 32V/\mu s$	$\pm 40V/\mu s$	$\pm 45V/\mu s$	$\pm 30V/\mu s$	
Input connectors	XLR3 & 1/4" Jack balanced				
Input Sensitivity / Impedance	0.775V, 1V, 1.4V/20k Ω Bal, 10k Ω Unbal				

Tech. Characteristics XPA3000 XPA5000 XPA7000 XPA11000

Signal present indicator	-40dB			
Output connectors	Speakon & Binding Posts			
Power consumption (EN 55103-1)	575VA	675VA	775VA	1230VA
Dimensions	482,6x68x452mm			
Weight	15Kg	17Kg	19,5Kg	23,6Kg

Applications

- Clubs
- Theme restaurants
- Discos
- Leisure centres
- Cinemas and theatre
- Educational centres
- Boardrooms and conference halls
- Sports Centres
- Mobile outdoor applications

Accessories

- DLA600 dual 100V adaptor for XPA3000

AMPACKseries

AMPACK 25, AMPACK 80

amplifiers

Reliable low-profile compact stereo amplifiers

AMPACK 25 and AMPACK 80 Key features *

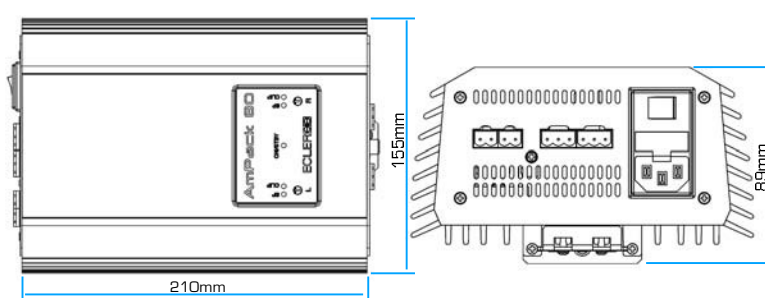
- Compact design stereo power amplifiers
 - Built in extended power supply
 - On board input gain control
 - VCA (EUROBLOCK) controlled
 - CLIP, POWER ON, STBY and SP indicators
 - Totally protected against DC and short circuit situations
 - Work modes: stereo, parallel, bridged
 - On board 100Hz or off high pass filter
 - Noiseless convection cooled
 - Auto power on/off allows installation in inaccessible places.
- Energy saving design
- DIN 35mm rail mounting, Laptop mounting, On wall mounting
 - Balanced stereo LINE input connectors (EUROBLOCK)
 - Unbalanced stereo LINE input connectors (RCA)
 - EUROBLOCK output connectors
 - 3.5Kg (AMPACK25)
 - 4.5Kg (AMPACK80)



Laptop mounting plate



35 mm DIN rail mounting



Tech. Characteristics *

	AMPACK25	AMPACK80
POWER 20-20kHz 1% THD		
1 Channel @ 4Ω	24 WRMS	78 WRMS
1 Channel @ 8Ω	16 WRMS	55 WRMS
2 Channels @ 4Ω	18 WRMS	62 WRMS
2 Channels @ 8Ω	14 WRMS	46 WRMS
Bridged @ 8Ω	36 WRMS	124 WRMS
Frequency response (-1dB)	20Hz - 30kHz	
High pass filter 3rd order Butterworth	100Hz	
THD+Noise @ 1kHz Full Pwr.	<0.02%	
Intermodulation distortion 50Hz & 7kHz, 4:1	<0.02%	
TIM 100	<0.05%	
S+N/N 20Hz -20kHz @ 1W/4Ω	>80dB	

*Preliminary

Tech. Characteristics

	AMPACK25	AMPACK80
Damping factor 1kHz @ 8Ω	>160	
Slew Rate	±10V/μs	
Channel crosstalk @ 1kHz	>60dB	
Input Sensitivity / Impedance	0dBV / >20kΩ	
Auto power threshold	>22dB	
Auto power time	2 min.	
Mains Voltage	230V AC	
Power consumption (max. Out)	93VA	296VA
Power consumption (standby)	<10VA	
Dimensions	218x155x87mm	
Weight	4,4kg	3,35kg

Accessories

- **REV010A:** on-wall remote level control for MPA-R series. Frame, circuit board and holder included. Fits into standard wall mounts. Dimensions (mm): 89x82x60. Snow white colour
- Laptop mounting plate (included)

Applications

- A/V corporate rooms
- Retail shops
- Residential applications

Processors



Tech. Characteristics

AMIC-lab

AMICLAB Software	<ul style="list-style-type: none"> Realtime full GUI of all functions Interactive graphical display Real time metering at input / output Save & Recall setup functions Firmware update capability Password protection
Operating System	Windows 98SE; WMe; W2000 Prof.; (SP4); XP Home (SP1); XP Prof.; (SP1)
Minimum AMIClab System Requirements	Pentium III 600MHz 128MB RAM 20MB HDD free space 800x600 dpi & 16bits color display

Technical Characteristics

AMIC

Processing	A/D & D/A DSP Latency	24 bit, 48kHz 48 bits 0,585ms
Input / Output:		2 Inputs / 4 outputs (2 internal & 2 external)
Input Levels	Nominal Maximum	0dBV +12dBV
Input attenuator		Stepless from -84dB to +12dB
Input Impedance	balanced,	30K Ω
Stack Output impedance		300 Ω
CMRR (20Hz - 20kHz)		>60dB
Distortion @ 0dBV 20Hz-20kHz		<0,008%
Frequency Response (-0,3dB)		10Hz - 20kHz
Noise from 20Hz to 20kHz		below -105dB
Crosstalk (20Hz-20kHz)		better than -60dB CH1 to CH2 & Stack1 to Stack2
Maximum Delay		310ms (312,5m) global for all 4 ch
Delay resolution		20,83us (7mm)
Compressor / Limiter	Threshold Ratio Attack time Release time	from -48dBV to +12dBV 1:1 to inf:1 (limiter) Auto or from 0,1ms to 150ms Auto or from 1ms to 5s.

High & Low pass Crossover filters	Butterworth in 6/12/18/24dB/oct Bessel in 12/18/24dB/oct Linkwitz-Riley in 12/24dB/oct
Parametric Eq types (10 max., per output)	<ul style="list-style-type: none"> Bypass Param. Eq, 20Hz-20kHz; -60/+12dB; Q from 1,3 to 200 Low & High Shelf 6/12 dB/oct Low & High Pass 6/12 dB/oct All Pass 1/2 order
Built in signal generator	<ul style="list-style-type: none"> Sine (20Hz to 20kHz) Polarity (20Hz to 20kHz) Pink White
Signal Mute	Yes
Signal Polarity Invert	Yes
Analog Volume remote control (0-10VDC)	0V= no attenuation (0dB) +10V= full attenuation (-inf.)
Connectivity	USB1,1 (2,0 compatible) Can provide supply to AMIC while programming

* Measuring AMIC as a independent device

2x4 internal DSP management card for DPA and DPA-T amplifier series. Fully configurable with AMICLAB PC control software

Key features

- 24bits / 48kHz sampling rate for superior audio quality
- Powerful 48bits DSP architecture allows real time configurations
- Four full independent channels management for extra versatility
- Input selection and gain controls, MUTE and PHASE invert
- Crossover section with 9 different high and low pass filter options. Up to 24dB/oct
- Cross over edge link possibility
- Equalisation section with 11 different filter types. Up to 10 equalisation points running per output channel
- Limiter and compressor section with automatic mode possibility. Compression status indicator
- Independent remote input VCA control
- Independent delay per output adjustable to installers preferred units (m, cm, s, ms)
- Built in signal generator allows white and pink noise, sine tone and polarity check as an extra versatility tool
- USB controlled by AMICLAB included software
- Graphic user interface (GUI) allows all parameters to be edited by a single drag and drop mouse operation
- Password controlled for unwanted set up manipulation
- Full VU-METER control at inputs and outputs
- Grouping channels feature simplifies set up when stereo configurations are required
- Upgradeable DSP firmware
- Full file management
- Can be easily installed in any DPA and DPA-T stereo power amplifier

Applications

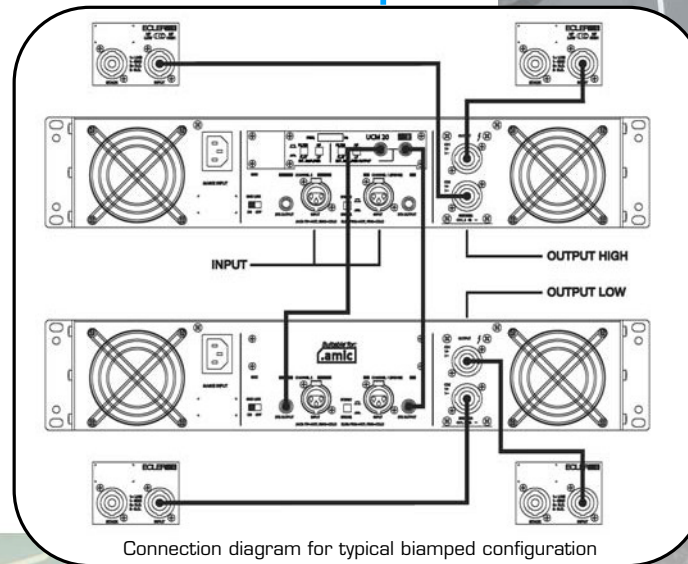
- Permanent installation management system
- Live sound. Monitor management
- Stereo bi-amped general applications

Accessories

- **REV010:** on-wall remote level control for AMIC. Frame, circuit board and holder included. For fitting into standard wall-mounting installations. Dimensions (mm): 89x82x60. Snow white colour

Key Features

- 2x4 internal analogue stereo cross over card for DPA and DPA-T amplifier series
- Internally selectable cut-off frequencies: 100Hz, 125Hz, 150Hz and 200Hz
- Externally configurable as high pass filter or low pass filter for both the host amplifier and external amplifier
- Bypassable for full range operation (FLAT button)
- Internal input sensitivity adjustment 0dBV or +6dBV
- Unbalanced output connectors (JACK) allows processed signal to be sent to an external amplifier
- 0dBV output signal level
- Linkwitz-Riley 24dB/oct cross over circuitry
- Can be easily installed in any DPA and DPA-T stereo power amplifier
- Blank space for sticker indicating cut-off frequency setting
- Ideal for non expert audio users and plug and play bi-amped audio systems



Technical Characteristics

UCM 20

Nom. Inputs Sensitivity/Impedance	0(+6) * dBV / >46kΩ
Outputs Level (UNBAL) / Minimum Load	0dBV / 2kΩ
THD+N	<0,01%
Signal Noise Ratio	>100dB
Crosstalk	>100dB
Filters	Linkwitz Riley 24dB/oct Slope in all the cases
Cut frequency at -6dB	100 Hz *
Cut frequency at -6dB	125 Hz *
Cut frequency at -6dB	150 Hz *
Cut frequency at -6dB	200 Hz *
Dimensions	Panel 30x113mm Depth 80mm
Weight	125g

*Internally selectable

General applications

- Stereo bi-amped plug and play general applications

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Professional Installation Product Range

All the characteristics are subject to variation due to production tolerances. ECLER SA reserves the right to make changes or improvements in manufacturing or design that may affect specifications.

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