

ECLER MULTICHANNEL POWER AMPLIFIER SERIES

MPA4-80

MPA4-150

MPA4-400

MPA6-80

MPA6-150



In 1998 ECLER presented its first multichannel amplifier, the MPA280. Today Ecler offers one of the most comprehensive and versatile multichannel amplification lines. ECLERs multichannel amplification systems gain enthusiasts day to day due to their versatility in so little space.

The MPA Line comprises five models: MPA4-80, MPA4-150 and MPA4-400 four-channel amplifiers and the six-channel MPA6-80 and MPA6-150.

MULTIPLE OPERATING POSSIBILITIES: TOTAL VERSATILITY

The crucial advantage of the MPAs lies in their multiple operating possibilities, easily configurable through the switches found on the rear panel. It's therefore possible to feed all channels with a single mono signal or on the other hand use each channel independently, for example for addressing 6 different zones. Between these two furthest apart possibilities lies a wide range of variants with simple stereophonic signal or amplifier combinations for bi-amping applications.

| TECHNICAL CHARACTERISTICS | MPA4-80 | MPA6-80 | MPA4-150 | MPA6-150 | MPA4-400 |
|---------------------------|---------|---------|----------|----------|----------|
| POWER 20-20kHz at 1% THD | | | | | |
| 1 Channel @ 4Ω WRMS | 78 | 78 | 147 | 160 | 410 |
| 1 Channel @ 8Ω WRMS | 52 | 52 | 100 | 106 | 230 |



MOST REMARKABLE FEATURES

All models only 2 rack units high, with output powers between 78 and 410W per channel.

- Individual input sensibility for each channel with sealing possibility to avoid unwanted manipulation.
- Signal presence and clipping indicators for each channel.
- Balanced inputs via XLR 3 connectors.
- Channel pairs can be bridged.
- Switchable high-pass and low-pass filters for bi-amplification purposes in MPA4-150, MPA6-150 and MPA4-400 models.
- Each channel may be fed with independent signals, used for addressing different zones or fed with the same mono or stereo signal.
- Anticlip circuit to avoid output signal clipping in MPA4-150, MPA6-150 and MPA4-400 models.
- Signal outputs on CE terminals.
- Convection cooling featured in MPA4-80 and MPA6-80 models.
- Progressive low noise forced ventilation featured in MPA4-150, MPA6-150 and MPA4-400 models.
- Totally protected against shorting, DC at the output and overheating.
- SPM Technology in MPA4-150, MPA6-150 and MPA4-400 models.
- 3 Year guarantee.

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| TECHNICAL CHARACTERISTICS | MPA4-80 | MPA6-80 | MPA4-150 | MPA6-150 | MPA4-400 |
|--|---|---------|-------------|----------|-------------|
| POWER 20-20kHz at 1% THD | | | | | |
| 1 Channel @ 4Ω WRMS | 78 | 78 | 147 | 160 | 410 |
| 1 Channel @ 8Ω WRMS | 52 | 52 | 100 | 106 | 230 |
| All Channels @ 4Ω WRMS | 53 | 58 | 112 | 116 | 310 |
| All Channels @ 8Ω WRMS | 40 | 41 | 83 | 84 | 200 |
| 1 Bridged channel @ 8Ω | 106 | 116 | 224 | 240 | 620 |
| Frequency response [-1dB] | 25Hz - 60kHz | | 7Hz - 40kHz | | 7Hz - 50kHz |
| Filter (Hi-Lo) 3rd order Butterworth | NA | | 160Hz | | |
| THD+Noise @ 1kHz Full Pwr. | <0.01% | | < 0.04% | < 0.05% | |
| Intermodulation distortion 50Hz & 7kHz, 4:1 | <0.02 % | < 0.06% | | < 0.08% | |
| TIM 100 | <0.05 % | | < 0.08% | < 0.03% | |
| S+N/N 20Hz -20kHz @ 1W/4Ω | 90 dB | | > 86dB | > 80dB | > 90dB |
| Damping factor 1kHz @ 8Ω | > 160 | | | > 300 | |
| Slew Rate | ±10V/μs | | ±18V/μs | | ±50V/μs |
| Channel crosstalk @ 1kHz | > 60dB | | > 65dB | > 40dB | > 65dB |
| Input Sensitivity / Impedance | 0dB / >20kΩ | | | | |
| Anticlip | NA | | 2% THD | | 1 & 5% THD |
| Mains Depending on your country | See characteristics in the back of the unit | | | | |
| Power consumption (max. Out) | 370 VA | 520 VA | 750VA | 1650VA | 2500VA |
| Dimensions Panel | 482.6x88 mm | | | | |
| Width | 342.5 mm | | | | |
| Depth | | | | 390mm | 415mm |
| Weight | 9.3 kg | 11.2 kg | 11.4kg | 15kg | 19.25kg |

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.

ECLER
ENTERTAINMENT SOUND SYSTEMS