

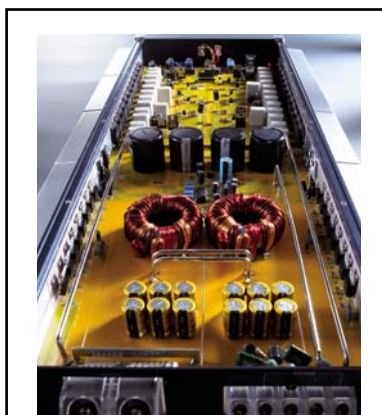
EM-PHASER

THE POWER OF THE 4TH GENERATION

POWER AMP • 2 Channel • EA2200



The EA2220 is a large analog 2-channel amp with very high output power in 1 ohm stereo or 2-ohms bridge mode – ideal for powering two 4-ohm woofers connected in parallel.



High quality electronic in-ternal design with double-sided FR4 epoxy circuit boards and premium components.

The new EMPHASER amplifier lineup features models suitable for any car audio installation. EMPHASER amps are built on rugged 2-part heat-sinks with excellent heat dissipation characteristics that will add a touch of class to your vehicle with their exciting design.

The innovative amp electronics also break new grounds. All amps use regulated PWM MOSFET power supplies for generous performance reserves in any conceivable situation.

The special feature of the EA series amps are their driver and output amp stages, which have been realized as full MOSFET push-pull complementary designs. IRF MOSFET semiconductor devices guarantee enormous current flow with excellent stability and reliability in day-to-day use. But that's not all. The full MOSFET design also provides a soft distortion spectrum where lower harmonics dominate – the analog models therefore also make themselves heard with outstanding sound quality.

The VAS input amp stages use NRJ2114 op-amps, which are deployed in the electronic crossovers as well. These specific op-amps types can also be found in costly high-end home audio equipment.

Carefully engineered double sided FR4 epoxy PCBs implementing optimized conductor strand and ground plane layouts are what is to be expected in this price lass. Solid busbars, oversized transformers and overdimensioned PSU filtering capacitance show: This line of amps takes performance one step higher.

POWER FEATURES:

- The EA2220 features a huge power supply for especially high and stable power output in the bass range
- Integrated electronic crossovers with 12 dB/oct. slopes for the high-pass and 24 dB/oct. for low-pass – and an additional low-pass/bandpass function – guarantee full versatility to tailor each channel pairs frequency band to drive a specific speaker setup



The input section of the new EA amps features screw type RCA inputs directly mounted to the housing – the extensive electronic crossovers allow for a precise tuning of high-, low- and band-pass functions.

- All electronic crossovers feature large frequency adjustment ranges: the high-pass is adjustable from 10 Hz to 300 Hz, the low-pass from 30 Hz to 300 Hz
- The EA2220 has a FULL(range) crossover mode setting to bridge the internal crossovers; this full-range mode can be used to take advantage of DSP-based active crossovers in recent head units
- Precision 'click-type' potentiometers permit the precise adjustment of cut-off or cut-in frequencies as well as gain levels
- The EA2220 is suitable for bridged mono operation
- The protection circuitry safeguards the amp electronics against short circuits, thermal over-load and d.c. voltage at the speaker output terminals
- Massive nickel-plated brass input and output terminals guarantee solid connections: up to 10 mm² for speakers, and 25 mm² or 50 mm² power terminals depending on the performance of the amp model
- A bass level remote control is included

Technical Specifications	EA2160	EA2200	EA480	EA450-300
Rated Power Output (per Ch) @ 13.8 V into 4 Ω (THD<1.0%)	2 x 150 W	2 x 270 W	4 x 92 W	4 x 60 & 1 x 275 W
Rated Power Output (per Ch) @ 13.8 V into 2 Ω (THD<1.0%)	2 x 260 W	2 x 440 W	4 x 145 W	4 x 85 & 1 x 320 W
Rated Power Output (per Ch) @ 13.8 V into 4 Ω (THD<1.0%)	1 x 560 W bridged	1 x 870 W bridged	2 x 280 bridged	2 x 180 & 2 x 275 W bridged
Rated Power Output (per Ch) @ 13.8 V into 2 Ω (THD<1.0%)	n.a.	1 x 1200 W bridged		
Damping Factor @ 4 Ω Load	> 350	> 350	> 350	> 350
Signal-to-Noise Ratio (A-Filter)	> 85 dB	> 85 dB	> 85 dB	> 85 dB
Input Sensitivity	0.3 V - 7 V	0.3 V - 7 V	0.3 V - 7 V	0.3 V - 7 V
Dimensions (W x H x D, mm)	410 x 62 x 250	570 x 62 x 250	410 x 62 x 250	460 x 62 x 250

Distributor for Europe and Asia:

ACR AG · Bohrturmweg 1 · CH-5330 Zurzach · P. (+41)(0)56 269 64 64 · mail@acr.eu · www.acr.eu