

PROGRAMMABLE

FLEXIBILITY IS THE MAIN FEATURE OF THIS SERIES OF MACROM AMPLIFIERS, CALLED "PROGRAMMABLE" BY MACROM IN ORDER TO DRAW ATTENTION TO THE INFINITE CONFIGURATION POSSIBILITIES THEY OFFER, MAINLY THANKS TO THE ABUNDANCE OF FEATURES AND UNIQUE FUNCTIONS WHICH DIFFERENTIATE THEM FROM OTHER MULTI-CHANNEL AMPLIFIERS ON THE MARKET. MACROM'S "PROGRAMMABLE" AMPLIFIERS ARE ABLE TO PILOT HIGH POWERS ON TWO, THREE OR FOUR CHANNELS. IN FACT, THE NUMBER OF INPUT AND OUTPUT CHANNELS CAN BE FREELY SELECTED WHICH ALLOWS THE USER TO PERSONALISE HIS SYSTEM AND DISTRIBUTE THE POWER ACCORDING TO HIS NEEDS. WHETHER TWO OR FOUR INPUTS ARE CONNECTED THE AMPLIFIER CAN WORK IN THE BRIDGED MODE, TRANSFORMING IT INTO A "MONSTER" OF UNDISTORTED MUSICAL POWER ON TWO CHANNELS. THESE AMPLIFIERS ALSO OFFER A UNIQUE FEATURE THE POSSIBILITY OF ACTIVATING SEPARATELY THE INTERNAL ASYMMETRICAL CROSSOVER AND ADJUSTING THE SEPARATE CROSSOVER POINTS FOR THE LOW AND HIGH PASS AT ANY TIME. THIS OPTIMISES THE ACOUSTICS IN VARIOUS CARS AND ALLOWS THE USER TO ADJUST THE PERFORMANCE TO SUIT HIS REQUIREMENTS. ADDITIONALLY, THE PREAMPLIFIER BY PASS IS AVAILABLE WHEN THERE ARE ONLY 2 PRE INPUTS THUS ALLOWING FURTHER SYSTEM EXPANSION. THE PROGRAMMABLE AMPLIFIERS CAN ALSO BE USED IN 5 OR 6 CHANNEL CONFIGURATIONS THANKS TO THE SIMULTANEOUSLY BRIDGEABLE FEATURE.

The quality of MACROM's programmable amplifiers has been recognised by experts all over the world and has earned them many of the field's most prestigious awards (ECAP Best Product of the Year 1995 for the 44.13, ECAP Best Product of the Year 1994 and Audio's 1994 and 1995 Golden Ear for the 44.07, Auto Stereo's Innovative Award for the 44.05).



**ECAP
Best Product
of the Year
1994**



44.07

"Programmable" dc-dc Amplifier

- IHF power: 500 W
- RMS power: 4x55 W @ 4 Ω , 20 Hz - 20 kHz, < 0.05% THD
- 4x80 W @ 2 Ω , 20 Hz - 20 kHz, < 0.1% THD
- Mono bridged power: 140 x 2 W @ 4 Ω , 20 Hz - 20 kHz, < 0.1% THD
- IASCA standard (11.6V - continuous RMS): 35 W @ 4 Ω , 20 Hz - 20 kHz, < 0.05% THD
- RCA input sensitivity: adjustable 100mV-2V/10k Ω
- Frequency response: 10 Hz - 60 kHz (+0-1 dB)
- S/N: 105 dB
- 2 or 4 channel input with internal Pre-amp
- Stable up to 4 Ω bridged (2 Ω stereo)
- Low and High Pass asymmetrical crossover: from 50 to 160 Hz
- Mixed mono
- Size: 280(W)x55(H)x300(D)mm



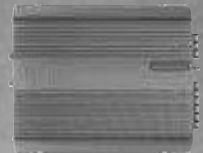
44.50

"Programmable" dc-dc Amplifier



- IHF 202: 480 W
- RMS power: Front/Rear @ 1 kHz < 0.08% THD at 4 Ohm: 4 x 50 W
- Front/Rear @ 1 kHz < 0.5% THD at 2 Ohm: 4 x 100 W
- Front/Rear @ 1 kHz < 0.5% THD mono at 4 Ohm: 2 x 150 W
- High-Pass, Front and Rear: (30-600) Hz
- Low Pass, Front and Rear: (30-600) Hz
- Crossover slope: 12 dB/Octave
- Frequency response \pm 1 dB: 10 - 50,000 Hz
- Total harmonic distortion: 0.08%
- S/N (signal-to-noise ratio) IHFA-weighted: >100 dB
- Input sensitivity/impedance: 200-4000 mV/22 kOhm
- Speaker impedance: stereo 1 Ohm min mono 2 Ohm min
- Power supply: 14.4 V DC (11-16 V allowed)
- Weight: 2.7 Kg
- Size: 217(L)x49(H)x280(D)mm

The preamplified input, an important function which MACROM was the first to use in its pioneering 44.06, is activated by selecting the 2 channel input and 4 channel output mode. It doubles the signal which is received by the two inputs onto the other two free inputs. Most multi-channel amplifiers on the market only allow this function but, on doing so, the signal level is halved thus compromising the signal to noise ratio with a substantial loss of quality.



**ECAP
Best Product
of the Year
1995**

44.13

Four Channel dc-dc Amplifier

- IHF power: 260 W
- RMS power: 4x30 W @ 4 Ω , 20 Hz - 20 kHz, < 0.05% THD
- 4x45 W @ 2 Ω , 20 Hz - 20 kHz, < 0.1% THD
- Mono bridged power: 90 W @ 4 Ω , 20 Hz - 20 kHz, < 0.1% THD
- IASCA standard (11.6V - continuous RMS): 20 W @ 4 Ω , 20 Hz - 20 kHz, < 0.05% THD
- RCA input sensitivity: adjustable 100mV-2V/10k Ω
- Frequency response: 10 Hz - 60 kHz (+0-1 dB)
- S/N: 105 dB
- 2 or 4 channel input with internal Pre-amp
- Stable up to 4 Ω bridged (2 Ω stereo)
- Low and High Pass asymmetrical crossover: off, 80, 120 Hz
- Size: 217(W)x50(H)x235(D)mm

