



**AM4120** Code no. 121.20.056

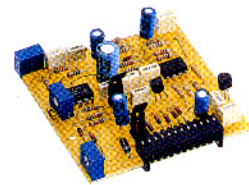
**AM4160** Code no. 121.20.057

### INTEGRATED AMPLIFIER SERIES

The AM 4000 Series combines flexible signal switching and processing with reliable, high-current power amplifier sections. Voice paging is easy: a microphone plugged into Input 1 can automatically mute other sound sources.

- One balanced XLR input, line/mic sensitivity selectable
- Three balanced XLR microphone inputs with excludable 24 Vdc phantom supply
- Two auxiliary RCA stereo inputs, line sensitivity
- One PRE-OUT.
- One TAPE OUT with level control
- One MAIN IN
- Priority function of inputs 1, 2, 3, 4 over auxiliary inputs 1 and 2, switch activation

- Priority function of input 1 over the other inputs, activated by microphone (Voice Priority) or by switch
- Outputs for constant impedance and constant voltage speakers
- Supplementary "Vdc - 300 mA" output with override command function, activated by switch
- H.P. (high-pass) and L.P. (low-pass) filters can be activated on microphone inputs 2, 3, 4
- OVERLOAD, SIGNAL, and PEAK indicator lights
- Dual power supply in alternating current (115/230 Vac)
- Power supply in direct current (24 Vdc)
- Removable front knobs with closure caps
- With input 1 priority, the other inputs can be completely excluded or simply attenuated
- Possibility for connecting condenser microphones which require an external phantom supply
- The amplifier is fully protected against any incorrect speaker connections.



**A1708** Code no. 123.20.024

### CHIME BOARD FOR AM 4000 MIXER AMPLIFIERS

The A 1708 accessory board makes it possible to transmit a signal to precede microphone announcements (chime). A single multi-pin connector makes the board easy to install. The output level can be adjusted by means of a trimmer. Using special jumpers, it is possible to choose between a single-tone, two tone or three-tone signal. Two trimmers are used for adjusting the transmission level and the frequency-decline of the signal (indirectly the tone duration).

### SPECIFICATIONS

	AM 4120	AM 4160
Type	120 W - Mono - Table-top	160 W - Mono - Table-top
Nominal/maximum power	120 W / 180 W	160 W / 220 W
Frequency response (-3 dB)	50 - 15.000 Hz	50 - 15.000 Hz
Distortion	≤ 1 % (1 kHz - nominal power)	≤ 1 % (1 kHz - nominal power)
Signal/noise ratio		
mic:	≥ 65 dB	≥ 65 dB
line:	≥ 75 dB	≥ 75 dB
INPUTS 2-3-4:	≥ 65 dB	≥ 65 dB
AUX IN:	≥ 75 dB	≥ 75 dB
MAIN IN	≥ 85 dB	≥ 85 dB
Inputs / Sensitivity - Impedance		
mic:	1 mV - 4,5 kΩ	1 mV - 4,5 kΩ
line:	80 mV - 210 kΩ	80 mV - 210 kΩ
INPUTS 2-3-4:	1,3 mV - 1,2 kΩ	1,3 mV - 1,2 kΩ
AUX IN:	100 mV - 18 kΩ	100 mV - 18 kΩ
MAIN IN:	775 mV - 10 kΩ	775 mV - 10 kΩ
Phantom supply on inputs 2-3-4	24 V (excludable on input 4)	24 V (excludable on input 4)
Outputs / ohms	4 Ω	4 Ω
Outputs / volts	25 V - 50 V - 70 V - 100 V (5 Ω - 21 Ω - 41 Ω - 83 Ω)	25 V - 50 V - 70 V - 100 V (4 Ω - 15,5 Ω - 30,5 Ω - 62 Ω)
Slave outputs / Voltage - Impedance		
PRE OUT	2,5 V - 600 Ω	2,5 V - 600 Ω
TAPE OUT	0 ÷ 2,2 V - 1 kΩ	0 ÷ 2,2 V - 1 kΩ
Auxiliary "Vdc - 300 mA" output	18 Vdc - 300 mA	18 Vdc - 300 mA
Controls	5 volume controls for inputs master volume treble bass	5 volume controls for inputs master volume treble bass
Power supply / Consumption	115/230 Vac (± 5%) 50÷60 Hz / 450 VA 24 Vdc / 10 A	115/230 Vac (± 5%) 50÷60 Hz / 550 VA 24 Vdc / 14 A
Dimensions (LxHxP)	433 x 88 x 315 mm (2 rack units)	433 x 88 x 315 mm (2 rack units)
Weight	11,5 kg	13 kg
Optional accessories	AR 1052-N - Accessory for installation in the CR 2500 series rack enclosures - Code no. 173.10.059 A 1708 - Board for three-tone chime - Code no. 123.20.024 BM 4072 - Microphone stand - Code no. 143.20.132 BM 3014 - Microphone stand - Code no. 143.20.135	
Code no.	121.20.055	121.20.056 121.20.057