



Apart MA200R MIXING AMPLIFIER

APart



With the MA200R mixing amplifier, the Apart engineering team has created a unique, original and above all, complete electronic. The mixing amplifier has an AM/FM tuner build-in. Never before has a mixer amplifier had all the features to meet a contractors demand for nearly every application.

The most important features:

- 200 watt 100 Volt mixing amplifier
- 4 mic inputs (phantom via internal switch)
- Mic inputs have integrated speech filters and are high-class transistor balanced
- 4 Line inputs
- 4 Loudspeaker output zones can be selected (switch on/off) and have LED indication. Zone 4: selection of "Music only", "microphone only" or both music and microphone.
- Bass-treble tone control
- Master volume control
- 3-Level priority system:
 1. Emergency input: directly to the power amplifier (vol adjustable)
 2. VOX Mute: Voice activated mute (adjustable) on MIC input 1 mutes all other inputs
 3. Contact closure mutes all line inputs
- LED indication on front pannel when line inputs are muted
- 24V ouput power is activated via contact closure. Can be used to switch the 24V priority relays of volume controls.
- Integrated 2-tone chime has an adjustable volume and is activated by contact closure
- Build-in dynamic limiter (-3dB)
- Record output via RCA
- PRE AMP OUT - AMP IN makes it possible to insert an external signal processor or to add extra power amplifiers
- Tuner controls: AM/FM switch, Scan up/down, Memory for 10 presets, memory scan
- 19" brackets are included



TECHNICAL SPECIFICATIONS

Inputs	MIC1 (Front / Rear)	Bal. 1/4" Jack / Bal combo XLR-Jack, DIN5 (1.5mV), Euroblock 14V phantom power via internal switch
	MIC2-3-4	XLR3 balanced (1.5 mV) 14V phantom power via internal switch
	Emergency input	Balanced Euroblock (1V)
AUX input		RCA cinch (500 mV)
	CD input	RCA cinch (500 mV)
	Tuner input	RCA cinch (300 mV)
	LINE4	RCA cinch (200 mV)
	Power amp input	RCA cinch (300 mV)
Outputs		
Output Power RMS		
	Rated	200 watt
	Max	240 watt
Speaker outputs		
	Zone 1-3	On-off switch
	Zone 4	Paging on-off Music on-off
	Output impedance	50V (12.5 Ω) - 70V (24.5 Ω) - 100V (50 Ω) - 8
Pre amp out		RCA cinch (1V)
Record out		RCA cinch mono (1V)
Priority output power		24V activated by priority contact closure (1A)
Chime		2-tone chime activated by contact closure on Euroblock or DIN5. Volume adjustable
Priority system		
	Level 1: Emergency / Tel	Euroblock (200 mV), mutes all inputs
	Level 2: VOX Mute	On MIC 1 (0.6 mV), mutes mic 2,3 & 4 and line inputs Level set by trimmer
	Level 3: contact closure	Mutes all line inputs
Limiter		Dynamic limiter -3dB (red LED when active)
Frequency Range		40 Hz - 25 kHz
S/N Ratio		
	Amplifier	Better than 95 dB, 22 Hz - 22 kHz
	Line	Better than 80 dB, 22 Hz - 22 kHz
	Mic	Better than 65 dB, 22 Hz - 22 kHz
Distortion		<0.3% @ -6 dB, 1 kHz
Bass control		\pm 10 dB, 100 Hz
Treble control		\pm 10 dB, 10 kHz
Power supply		230 / 115 V DC or 24V DC
Tuner		
Tuning range	AM	531 - 1602 kHz (9 kHz step)
	FM	87.5 - 108 Mhz (50 khz step)
Aerial terminals		75 Ω , unbalanced; IEC - male AM antenna spring lock terminal
Sensitivity		@26dB quieting (mono) 10,3 dBf, 0,9 μ V/75
Signal to noise ratio		@40 kHz deviation; 74 dB (mono)
Harmonic distortion		<0.09% in mono mode
Frequency response		30 Hz - 15 kHz (FM)
Dimensions (H x W x D)		88 x 430 x 356 mm 19" brackets included
Weight		12.5 Kg