

# MIXER AMPLIFIER FM/AM RECEIVER

## MA-120/240RC



## Features

### ■ AMPLIFIER SECTION.

- \* Full protection for product reliability
  - Overload and speaker line short limiter circuit
  - Over current limiter circuit
  - Over heating protection
- \* Selectable Impedance : 25V,35V,50V,70V and 100V
- \* Soft start circuit for AC power on
- \* Output LED indicator
- \* Input gain volume control for MIC/LINE
- \* Tone control for MIC/LINE
- \* Input : 5 balanced Mic (XLR & PL-55) and 2 Aux (RCA)
- \* Selectable phantom power microphone
- \* RCA jack for recording output
- \* Telephone paging
- \* Music -on hold CD, tuner
- \* VOX Mic 1. (Muting for priority) for on/off switch
- \* Input 4 CH : mic / line control Switch
- \* Input 5 CH : mic. / CD, tuner control switch
- \* Master volume control
- \* Designed for operation either AC mains or DC24V

### ■ CASSETTE DECK SECTION

- \* Auto Reverse
- \* Rewind Button
- \* Fast Forward Button
- \* Eject Button

### ■ TUNER SECTION

- \* Tuner LCD Display
- \* LED Backlight
- \* Up/Down Switch
- \* Band Selector FM 1,2,3, AM 1,2
- \* Memory Switch 1,2,3,4,5,6

### Technical Specifications

AMPLIFIER		MA-120RC	MA-240RC
Rated Output (RMS)		120W	240W
Input Sensitivity Impedance	Mic	-50dBm (2.45mV) 2Kohm Balanced	
	Line	-10dBm (245mV) 200Kohm Balanced	
	Tel	-10dBm (245mV) 5Kohm Balanced	
	Rec/Line (pre) Output	0dBm (1000mV) 600 ohm Unbalanced	
	Music-on hold	0dBm (1000mV) 600 ohm Balanced	
Frequency Response		Mic : Less than -3dB (200Hz ~ 20KHz) Line : Less than -3dB (35Hz ~ 20KHz)	
Signal to Noise Ratio		Mic : More then 70dB ("A" weight) Line : More then 80dB ("A" weight)	
T.H.D ( at 1KHz Output )		Less than 0.5%	
Tone Controls		Bass : +/- 10dB at 100Hz & Treble : +/-10dB at 10kHz	
Output / Impedance	Low IMP	8 Ohm/31V	8 Ohm/44V
	High IMP	Europe (Ohm)	America (Ohm)
		100V	70V
	MA-120RC	83.3 Ohm	40.8 Ohm
MA-240RC	41.7 Ohm	20.4 Ohm	
<b>CASSETTE DECK SECTION</b>			
Tape Speed & Wow and Flutter		4.75cm/sec & Less than 0.35%	
SN Ratio & Frequency Response		Better than 60dB & 100Hz to 6.3kHz	
<b>TUNER SECTION</b>			
Tuning Range		FM : 87.5 ~ 108MHz & AM : 522~1620KHz	
Usable Sensitivity & SN Ratio		FM : 2uV, AM : 4.5uV & FM : 60db, AM : 45dB	
Antenna Impedance		FM : 75 Ohm Coaxial Cable & AM : Loop Antenna & Lead Antenna	
Memory Back-up Time		For 15days (After AC Power Off)	
<b>GENERAL</b>			
Power Consumption		350W	740W
Power Source		110-240VAC 50/60Hz and 24VDC	
Weight (kg/lbs)		15.5/34	17/37.4
Dimensions (W x H x D) mm/inch		483 x 133 x 380 & 19" x 5.2" x 15 "	

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