

## USB MP3 Mixing Amp

# MA-206U/212U/224U



### OVERVIEW

The MA-206U/212U/224U are 6-Input 60/120/240 watt mixer/amplifier with a built in digital portable media player that will playback MP3 / WMA / WAV audio files. The MA-U series offers input flexibility with its 6 flexible microphone and line level selectable inputs.

Input options include 5 selectable microphone or line level, a telephone and a dual RCA sum-to-mono. The A front panel 1/8" mini-jack makes it easy to plug-in a portable music source.

The MA-U series uses a Class D amplifier topology combined with a SMPS, Switch mode power supply for added energy efficiency in a compact size.

### FEATURES

- Built in MP3 / WMA / WAV player. Audio files are accessible via the front panel USB connector.
- SMPS – Switch Mode Power Supply technology design delivers high power output with low-power consumption and low weight.
- 6 input mixer amplifier with 5 microphone or line level selection (line-level input, mic level input, and phantom power)
- Signal indicator confirms and displays signal present for each input.
- 5-Band Equalizer for precision tone adjustment.
- Five zone speaker selector switch, allows for independent or all zone broadcast.
- Front panel CHIME and SIREN with external trigger.
- External MUTE and Telephone paging input.
- VCA remote master volume level control.
- 10 segment LED level indicator

### SPECIFICATIONS

		MA-206U	MA-212U	MA-224U
Rated Output (RMS)		60W	120W	240W
Frequency Response (SP OUT/1W output)		80Hz - 15kHz		
Total Harmonic Distortion (T.H.D @ Rated output, 1kHz)		Less than 0.5%		
Signal to Noise Ratio (S/N @ Rated output)		Better than -78dB		
GRAPHIC EQUALIZER (100Hz,330Hz,1kHz,3.3kHz,10kHz)		±12dB		
Input Sensitivity / Impedance				
Input 1~5	Mic	-50dBu / 2kΩ		
	Line	-10dBu / 2kΩ		
Input 6		-10dBu / 10kΩ		
Tel In		0dBu / 10kΩ		
Ext In		0dBu / 20kΩ		
Amp In		0dBu / 47kΩ		
Mix Out / Impedance		0dBu / 10kΩ		
Speaker Out / Impedance	LOW-Z	15.5V / 4Ω	22V / 4Ω	31V / 4Ω
	HIGH-Z(100-120VAC)	100V / 167Ω	100V / 83Ω	100V / 42Ω
	HIGH-Z(220-240VAC)	70V / 82Ω	70V / 41Ω	70V / 21Ω
Operating Temperature		-10°C ~ +40°C / 14°F ~ 104°F		
Power Source		100-240VAC, 50/60Hz		
Power Consumption		38W	50W	75W
Weight (SET)		5.4kg/11.9lb	6.7kg/14.8lb	8.0kg/17.6lb
Dimension (SET)		420(W) x 88(H) x 328(D)mm/16.5(W)x3.5(H)x12.9(D)in		

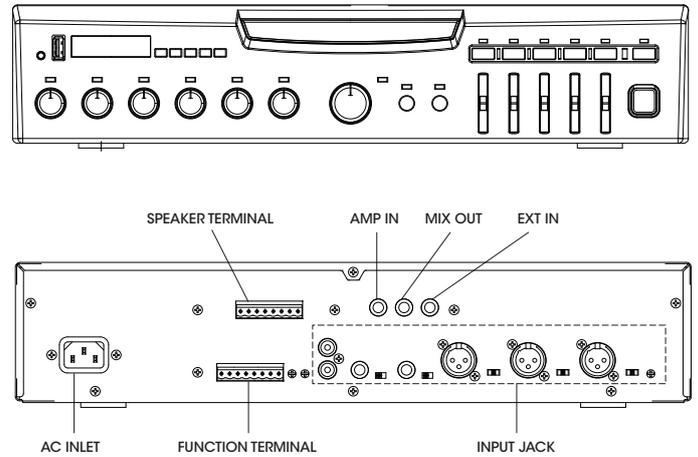
\* Specifications and design are subject to change without notice.

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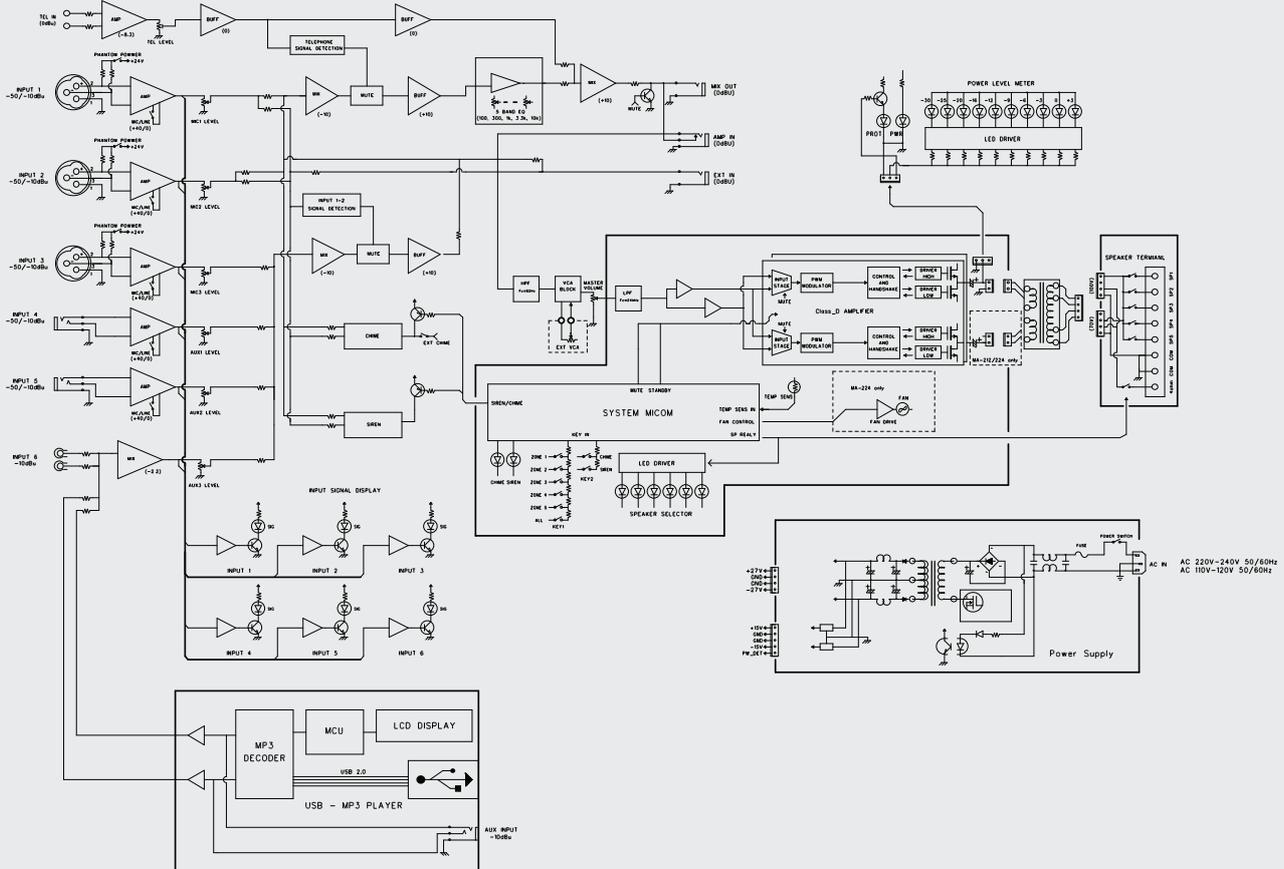


## APPLICATION

The MA-206U/212U/224U series mixer-amplifiers provide outstanding value and functionality for installed sound applications in a wide variety of commercial installations including: Education, Fitness Centers, Retail, Restaurants, dance studios, and BGM.



## BLOCK DIAGRAM



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