

60W/100W Public Address Mixing Amplifier

MA SERIES

MA-106/106N/110/110N



60W/100W Public Adc

MA-106/106N/110/110N



Development Background

MA-106(N)/110(N) is a 1U-sized compact size Public Address Amplifier that perfectly suits particularly in small venues such as conference room, multi-purpose hall, restaurant, and café. With its exclusively high-efficient amplifier circuit, MA-106(N)/110(N) are trustworthy, light weight and low heat. Plus, additional functions such as input of MIC and LINE, tone control, mute, priority function, Auto Sleep Mode and Phantom microphone power are possible with our compact MA-106(N)/110(N).

Digital Amplifier Circuit

With rated output of 60W and 100W, it is trustworthy, light weight and low heat.

SMPS Power Supply Circuit

With stable SMPS power supply circuit, it is low power and low weight.

Tone controller (Bass / Treble)

There is a tone controller that can be customized to the purposes of the use and user's style.

Outside Mute Control

The Mute function can be controlled outside and can also be linked to emergency broadcast.

Additional Function

Additional functions such as Phantom microphone power, TEL IN, outside Mute control are possible

Compact Design

Ease of installation and product operation with 1RU-sized compact design.

- Volume Control of Each Input

Volume of INPUT1~3 can be separately controlled.

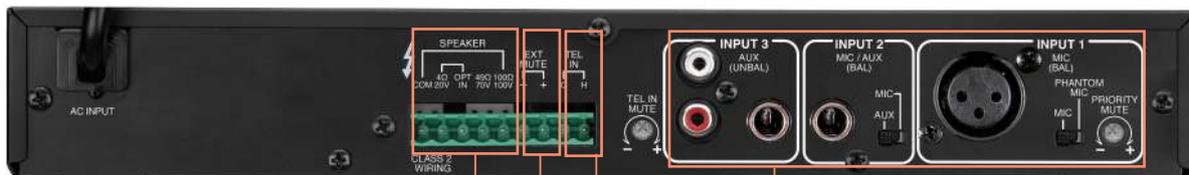
- Indication of Input Signal

Input signal of INPUT1~3 is indicated making checkup of operation status of each channel available.

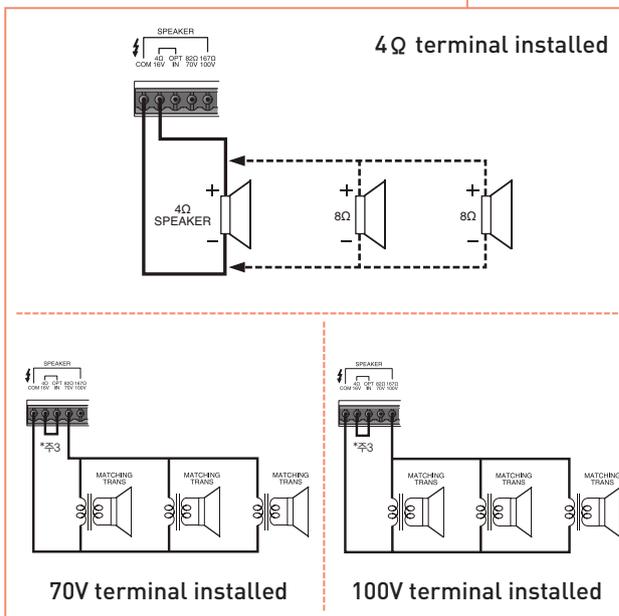
MA-106/106N/110/110N FRONT/REAR PANEL



[MA-106N/110N Back Panel _ USA/CANADA & Associated]



[MA-106/110 Back Panel _ EC & Associated]



INPUT 1

- Exclusive for MIC(50dBV/2kΩ)
- Phantom microphone power
- Possess priority over 2-3 input

INPUT 2 : Select MIC/LINE

INPUT 3 : LINE only

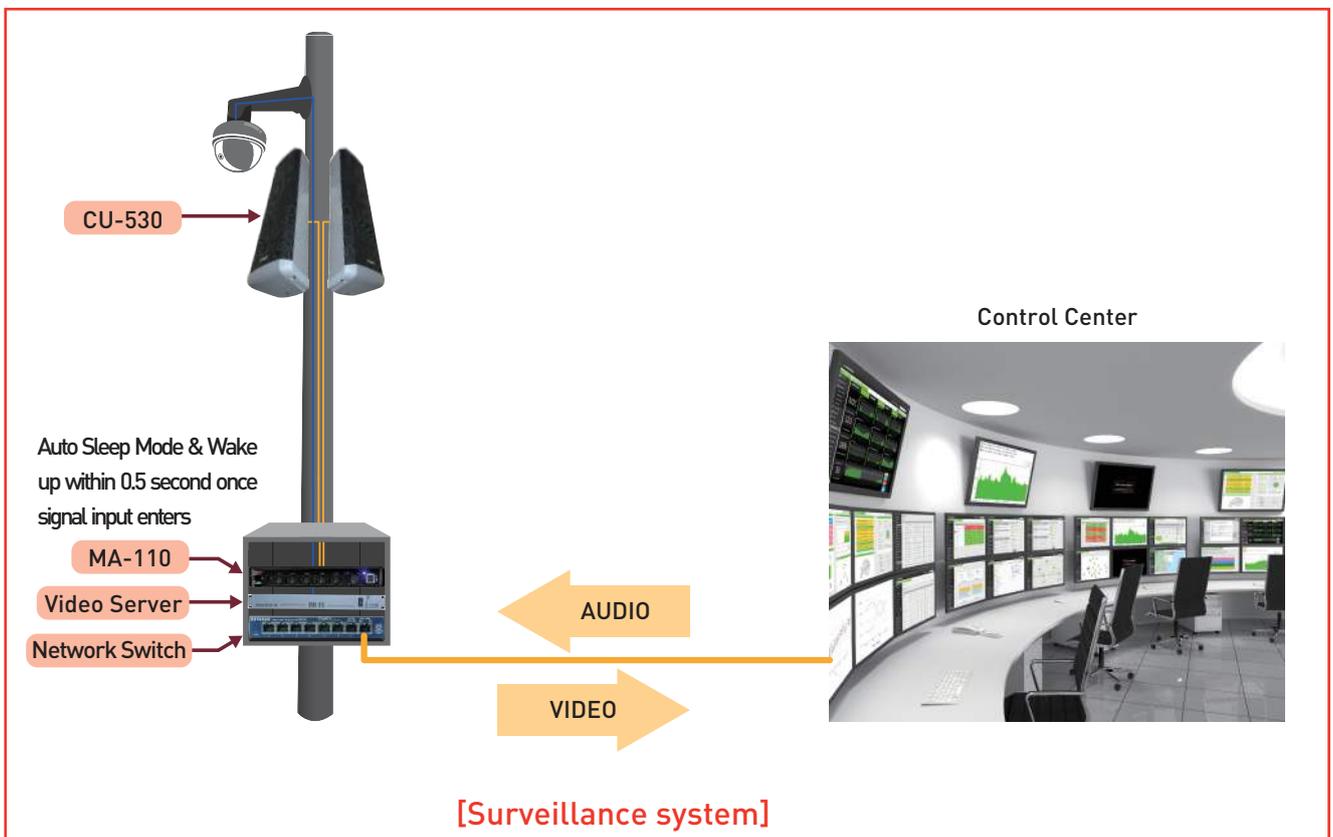
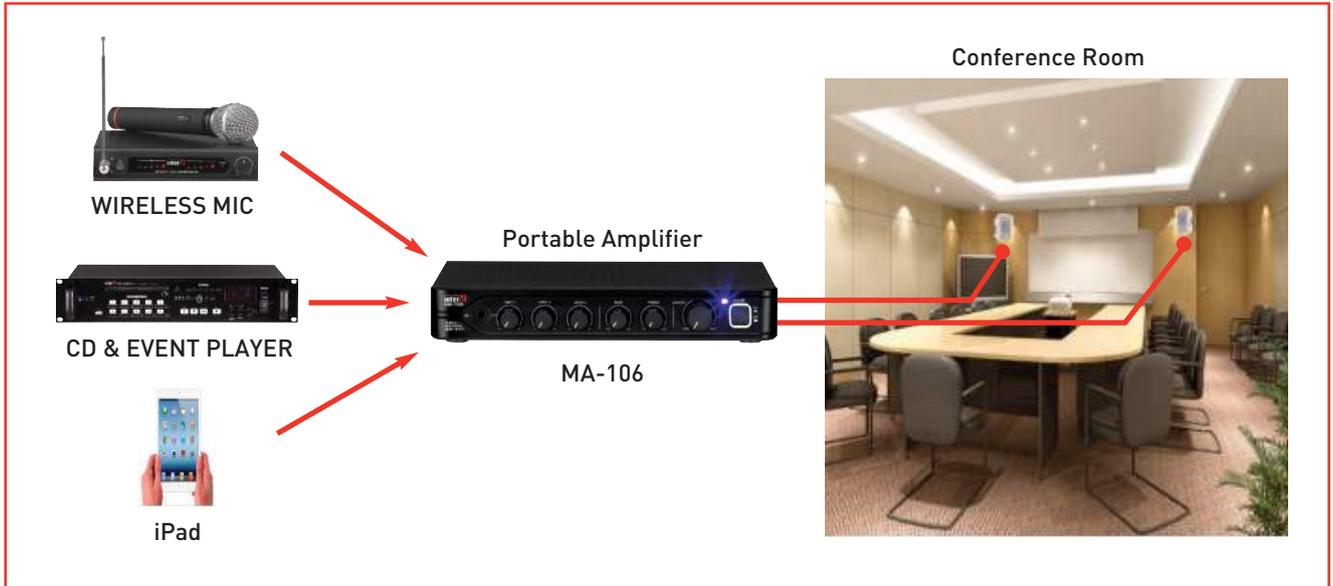
TEL. IN

- Possess priority over MIC 1~3 and can change signal level to Mute input of MIC 1~3

EXT. MUTE

Exterior contact terminal that mutes output of the amplifier

MA-106/106N/110/110N BLOCK



MA-106(N) APPLICATION

Applications in Small-sized Venues



Compact 1U-sized mixing amplifier MA-106(N) perfectly suits for portable applications such as promotion events in small-sized venues. Three audio input terminals are provided for BGM broadcast and broadcasting mixed sound sources can be easily done. Plus, with the built-in Priority Function, immediate switch of BGM broadcasting to emergency or announcement broadcasting is possible.



MA-110(N) APPLICATION

Applications in Small-sized Venues



Compact 1U-sized mixing amplifier MA-110(N) perfectly suits for portable applications such as promotion events in small-sized venues. Three audio input terminals are provided for BGM broadcast and broadcasting mixed sound sources can be easily done. Plus, with the built-in Priority Function, immediate switch of BGM broadcasting to emergency or announcement broadcasting is possible.



Specification

		MA-106/106N	MA-110/110N
Rated output		60W	100W
Speaker output/impedance		70V/82Ω, 100V/167Ω 25V/10.5Ω, 70V/82Ω	20V/4Ω, 70V/49Ω, 100V/100Ω 20V/4Ω, 25V/6.9Ω, 70V/49Ω
Input sensitivity	INPUT 1	-50dB	
	INPUT 2 (MIC)	-50dB	
	INPUT 2 (LINE)	-10dB	
	INPUT 3	-10dB	
	TEL IN	0.775V	
Frequency Response		80Hz ~ 15kHz	80Hz ~ 18kHz
S/N	INPUT 1, 2	More than 60dB	
	INPUT 3, TEL IN	More than 70dB	
Tone Control	BASS (100Hz)	±12dB	±10dB
	TREBLE (10kHz)	±12dB	±10dB
Operation temperature		-10°C ~ +40°C	
Power source		AC 100~240V, 50/60Hz (Supplied AC mains depends on country requirements)	
Power consumption		24W	30W
Weight (SET)		3.0kg/6.6lb	3.05kg/6.7lb
Dimensions (SET)		300(W) x 44(H) x 230(D)mm/11.8(H) x 1.7(H) x 9.1(D)in	

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