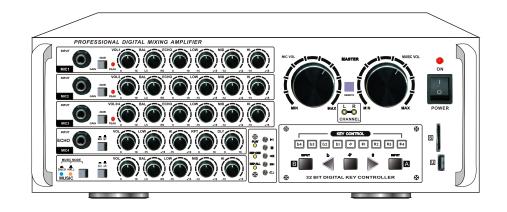
# **Operation Manual**

# PROFESSIONAL DIGITAL MIXING AMPLIFIER



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# SAFETY PRECAUTIONS

Check the voltage of your local mains supply

Loop AC 220-240V FESSIONAL DIGITAL NIXING AVPLIE

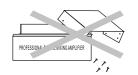
The power cord should not be connected to a direct current(DC).

#### If malfunction occurs

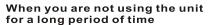


If malfunction occurs, such as noise in the sound or odor from the unit, remove the power cord from the AC outlet and stop using the unit immediately and consult your local dealer.

#### Do not disassemble the unit



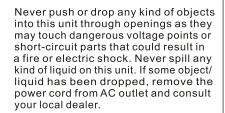
Do not attempt to modify, repair, or disassemble the unit, as opening or removing covers may expose you to dangerous voltage or other hazards. There are no user serviceable parts inside. If the unit has a problem or breakdown in case of you attempt to modify the unit, quality of the unit can not be guaranteed.





When you leave your home for a long period of time, turn OFF the power and remove the power cord from the AC outlet. This will prevent from unexpected accident and fire.

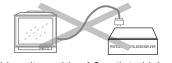
# Avoid pushing or dropping any object or liquid into the unit



Do not damage the Power Cord

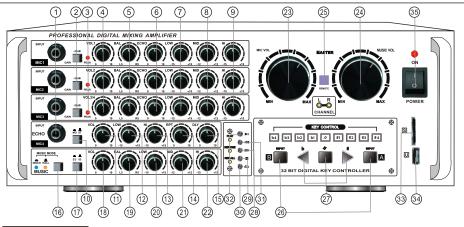
When remove the power cord from AC outlet always grasp and pull the plug, not the power cord. Damage to the power cord may cause short-circuit or shock hazard. Power cord should not be routed to under furniture or where it may be likelv damaged.

#### Do not overload the AC outlet on the unit



This unit provides AC outlet which can be connected to the system source components. Do not overload the AC outlet on the unit. If power consumption exceeds over the indicated on the rear panel, this can result in fire or other hazard. The outlet should not be used for connections of TVs in which may exceed in a moment over the indicated wattage.

#### FUNCTION OF FRONT PANEL



#### Microphone Parts

1. MIC1.2.3.4 2. GAIN	:Terminal for input plug for ste :Signal amplification is decrea big input signal is used.		
3. PEAK 4. VOL	:Red light goes on in case of ex :Adjusts mic. volume.	•	
5. BAL 6. ECHO	:Adjusts balance of left and rig :Adjusts echo accuracy.	ht of mic. sound.	
7. LOW 8. MID	:Adjusts bass response. :Adjusts mid-range response.		
9. HI Echo Parts	:Adjusts treble response.	S/U Function Pa	arts
10.SELECTOR 11.VOL 12.LOW 13. HI 14. RPT 15. DLY Music Parts	:Choose for stereo/mono of echo. :Adjusts mixing of echo sound. :Adjusts echo bass response. :Adjusts echo treble response. :Adjusts echo repetition. :Adjusts echo speed.	28.FUNCTION KEY 29.FUNCTION KEY 30.FUNCTION KEY 31.FUNCTION KEY 32.FUNCTION KEY 33.FUNCTION KEY	: Next switch : Stop switch : Repetition switch : Prev switch : Play/Pause switch : S input interface : U input interface
16. SELECTOR 17. SELECTOR	:Choose for HALL/DISCOBEAT o :Choose for S/U or A/B input signal	switch.	anal

- 18. VOL :Adjusts volume of external device connected to back panel.
- 19. BAL :Adjusts balance of left and right of the whole product. 20. LOW
- :Adjusts bass response of external device.
- 21. MID :Adjusts mid-range response of external device.
- 22. HI :Adjusts treble response of external device.

#### Master Channel Parts

- 23. MIC VOL : Adjusts the audio master volume of the microphones connected to this unit.
- 24. MUSIC VOL :Adjusts volume of main unit.

#### Key Controller Parts

25, REMOTE SENSOR : As received signal infrared from remote control unit. nusic input A or B.

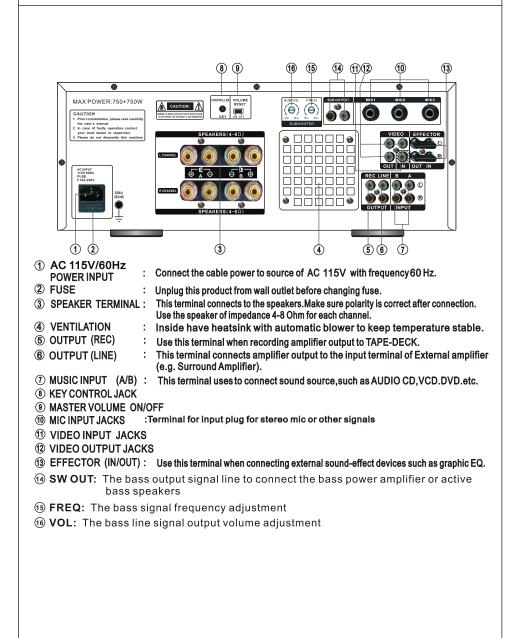
26.SELECTOR	:Choose for music input A or B.
27. Sign #	:To degrade musical tones.
Sign #	:To normal [of ] musical tones.
Sign b	:To boost up tones.

:To boost up tones.

#### Power Parts

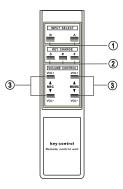
35.POWER : LED for power is lighted when the switch is turned on.

## FUNCTION OF REAR PANEL



	MA-3000KII
Output Power (4 $_{\Omega}$ )	L CH 750W + R CH 750W
Output Power (8 $^{ m \Omega}$ )	L CH 500W + R CH 500W
MIC input sensitivity	10mV
External devices sensitivity	200mV
Signal/Noise ratio (with IHF A Filter)	≫80dB
T.H.D (1KHz,10W)	0.1%
Frequency band	20Hz~20KHz
Mic.tone adjustment:LOW	80Hz±15dB
Mic.tone adjustment:MID	3.5KHz±12dB
Mic.tone adjustment:HI	12KHz±15dB
Echo tone adjustment:LOW	80Hz±15dB
Echo tone adjustment:HI	12KHz±15dB
Music tone adjustment:LOW	100Hz±15dB
Music tone adjustment:MID	1KHz±12dB
Music tone adjustment:HI	10KHz±15dB
Power source	AC 115V/60Hz
Dimension (mm)	430/W/X170/H/X460(D)

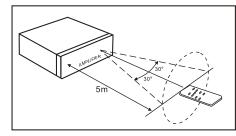
#### **REMOTE CONTROL OPERATION**



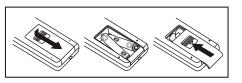
- ① SELECTOR music input A or B Press A, music input become channel A. Press B, music input become channel B.
- **2** KEY CHANGE SWITCH
  - Press b, To degrade musical tones. Press ¢, To normal [of] musical tones. Press #, To boost up musical tones.
- ③ VOLUMECONTROL (MIC/MUSIC) SWITCH Moment depress (▲), voice will go up. Moment depress (▼). voice will go down

#### Wireless remote control

The allowable distance between the wireless remote control unit and the remote sensor (infrared signal reception window) is approx.5 m. Note that the remote control may not work if it is not properly pointed toward the remote sensor or if there is any obstacle between the remote control and the sensor.



How to install batteries



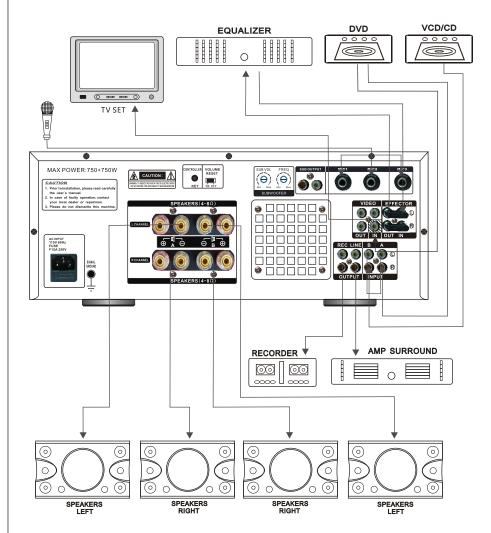
The service life of the batteries for this remote control is approx.six months under normal use. If the remote control is not going to be used for an extended period of time, remove the batteries. It is recommended to replace weak batteries at your earliest opportunity.

The improper use of batteries may lead to chemical leakage or explosion. Observe the following precautions;

- ① Insert batteries with their positive(+)and negative (-) poles position correctly according to the indication on the battery compartment.
- 2 Do not use an old and new batteries together.
- ③ Use batteries of the same type.Never use batteries of different types together as voltage may be different, even if they are the same shape.
- ④ Discard exhausted batteries into a designated bin (so as not to contaminate the environment).

#### CONNECTING GUIDE

Use the speaker of impedance 4-8 Ohm, when use speaker terminal A or B.

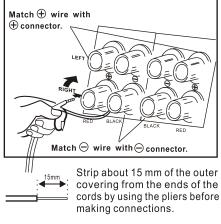


Notes: the output of power amplifier is only connected to a set of speakers which the impedence is  $4 \Omega$  or to two sets of speakers with  $8 \Omega$ . If the impedence of the speakers is less than  $4 \Omega$ , the power amplifier will be abnormal or damaged.

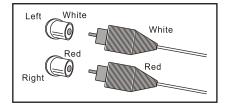
### CONNECTIONS

#### How to connect speaker cords

- 1. Turn connector to the left, then insert the stripped end of the cord.
- 2. Turn connector to the right until the wire is held securely.

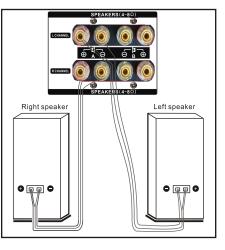


• When connecting RCA pin plug cords, match the colors-connect red cord to red jack and white cord to white jack.

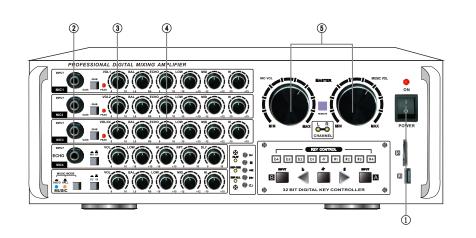


#### Cautions :

- See that wire frays (straggly conductors) are not sticking out of the speaker connectors. If the wire frays come into contact with other conductors, it may lead to failure of the unit.
- If one set of speakers are connected, use speakers with 4 Ω-8 Ω impedance.
- If two sets of speakers are connected, use speakers with 8Ω-16Ω impedance.



## BASIC OPERATION



- ① The power switch ON of this unit and other equipment.
- 2 Connect the required number of microphones.
- ③ Turn the MIC VOL controls to balance the level with that of music source.
- ④ Adjust the echo level as required.
- ⑤ Set the karaoke music machine to the play mode, then set the MIC VOL and MUSIC VOL control to the required level.

# How to use microphones properly and operating precautions

- Keep the microphone approx. 5 to 10 cm away from your mouth.
- To make the voice sound clearly, leave the proper space between the microphone head and holding position on the microphone.
- Do not cover the lower wind screen of the microphone. As this may muffle the bass sound, defeating proper vocal reproduction. It may also cause howling.

