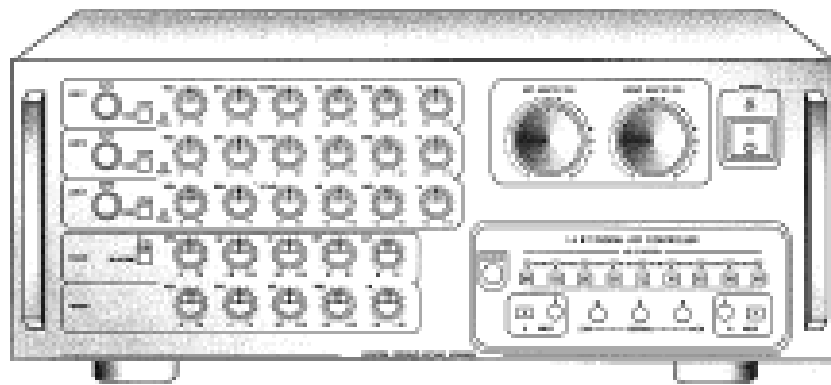




**MA-3000K**

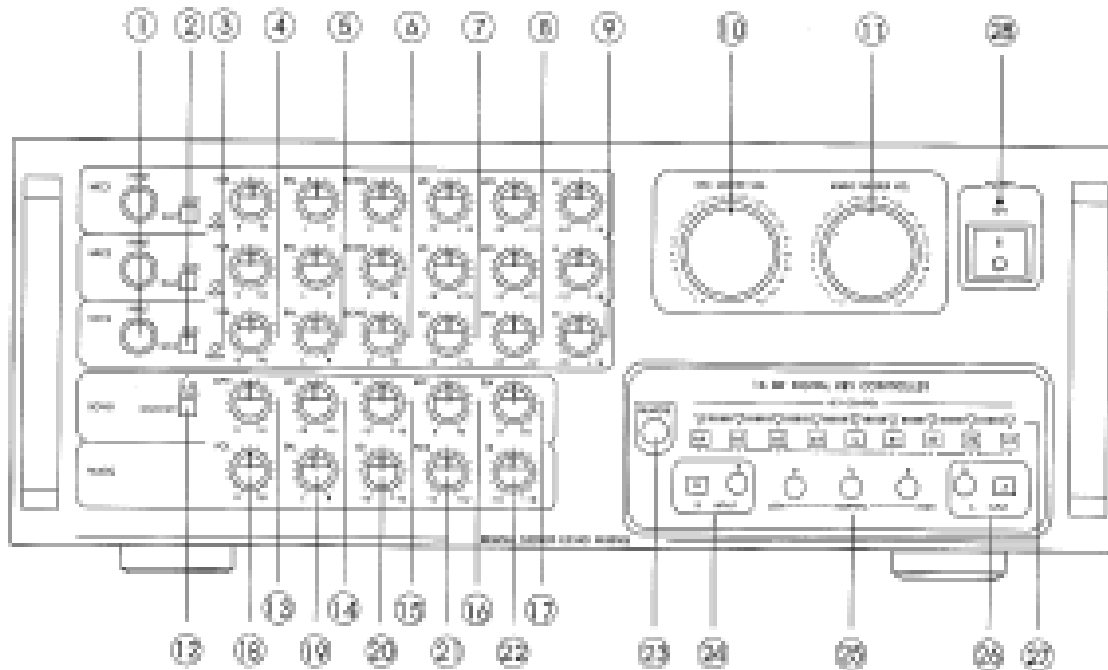


# Operation Manual

PROFESSIONAL DIGITAL MIXING AMPLIFIER



## 1.OPERATING GUIDE



### MICROPHONES

- 1.Microphone input sockets
- 2.Input signal attenuators
- 3.Auto-gain level indicators
- 4.Microphone volume control
- 5.Balance control
- 6.Echo depth control
- 7.Bass adjust
- 8.Mid-range adjust
- 9.Treble adjust

### MASTER VOLUME

- 10.Microphone master volume control
- 11.Music master volume control

### ECHO

- 12.Stereo or mono selector
- 13.Depth control
- 14.Bass control
- 15.Treble control
- 16.Repeat control
- 17.Delay time control

### MUSIC

- 18.Music signal volume control
- 19.Balance control
- 20.Bass adjust
- 21.Mid-range adjust
- 22.Treble adjust

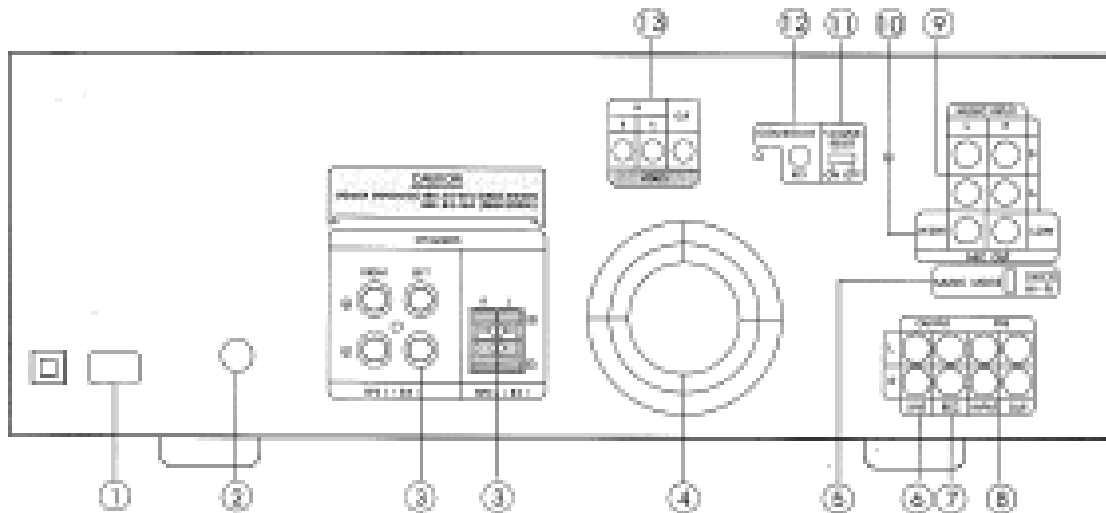
### KEY CONTROL

- 23.Remote control sensor
- 24.B input signal plug-in controller
- 25.Key control
- 26.A input signal plug-in controller
- 27.Key Display

### POWER ON/OFF

- 28.Power switch

## 2.FUNCTION OF REAR PANEL



### 1. AC POWER SUPPLY

Before plug-in the power supply, be sure to use the voltage of 110V/50Hz.

### 2. AC POWER FUSE HOLDER

Use 14A fuse.

### 3. SPEAKER SYSTEMS TERMINAL

- Do not let the bare speaker wires touch each other or any other metal part as this could damage this unit and / or speakers.
- Make sure that the polarity of the speaker wires is correct, that is : + and - marking are observed. If these wires are reversed, the sound will be unnatural and will lack bass.
- When one speaker system is used, speakers with an impedance of 4 to 8 ohms should be connected for used as main amplifier output terminals. Be careful when using two pairs of front or center speaker at the same time, since use of speakers with an impedance of less than 8 ohms will lead to damage, should use speakers with an impedance of 8 ohms to 16 ohms.

### 4. HEATSINKING BLOWER OUTLET

### 5. MUSIC SPECTRUM DISPLAY MODE

Disc position for disc use, and HI-FI position for karaoke use.

### 6. AUXILIARY OUTPUT TERMINAL

This terminal connects amplifier output to the input terminal of external amplifier.

### 7. RECORDING OUTPUT TERMINAL

Use this terminal when recording amplifier output of tape deck.

### 8. SOUND-EFFECT DEVICE INPUT/OUTPUT

Use this terminal when connecting external sound effect devices such as graphic equalizer.

### 9. MUSIC SOURCE INPUT

The terminal use to connect sound source, such as VCD/CD, DVD etc.

### 10. MIC SIGNAL OUTPUT

This terminal outputs microphones' sound only from the amplifier without echo effect.

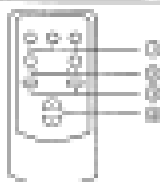
### 11. AUTO TURN BACK SWITCH

If turn on this switch, the master volume will be turn back to low volume position automatically after turn off this main unit and turn on it again.

### 12. KEY CONTROL JACK

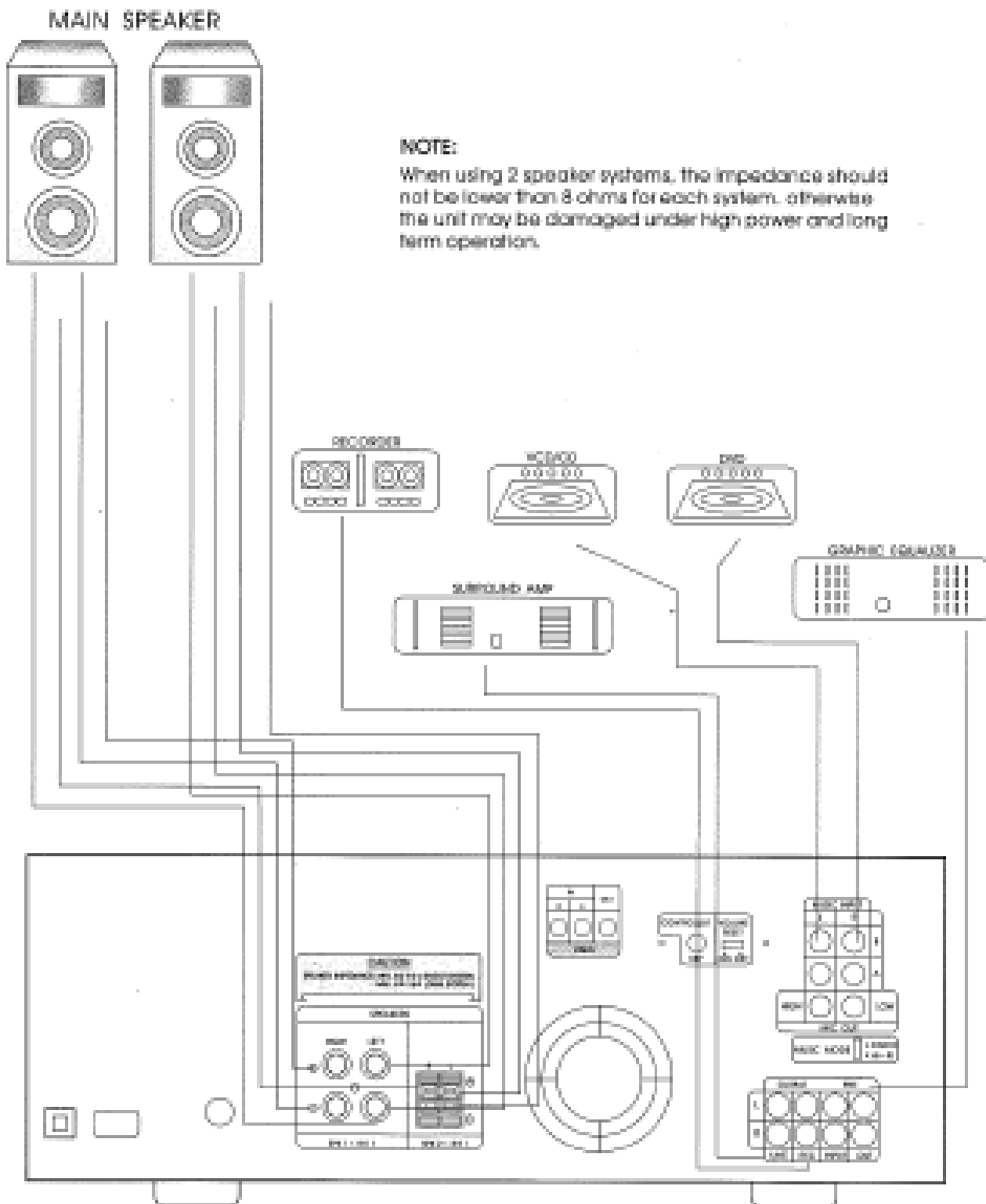
### 13. VIDEO INPUT/OUTPUT JACKS

Connect input jack with the video output of DVD, VCD, Video tape, or LD etc, and connect output jack with the video input of the monitor TV. The original setting is on input A position.



- Key control
- Microphone volume control
- A.B. input signal selector
- Music master volume control

3.CONNECTING GUIDE


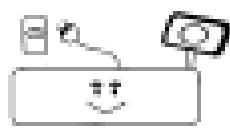


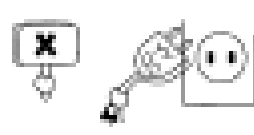


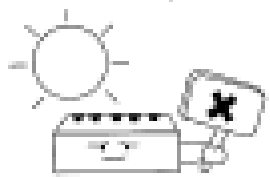


## 4.SPECIFICATIONS

Audio output max. ....	300W+300W
Mic input sensitivity ....	15mV
External devices sensitivity ....	250mV
Signal / Noise ratio ( with IHF A Fiter ) ....	80dB
T.H.D. ( 1 kHz, AUX 150mV INPUT ) ....	2%
Frequency Response ....	25Hz~20KHz
Mic. Tone adjustment ....	80Hz±15dB 3.5KHz±5dB 12KHz±15dB
Echo tone adjustment ....	80Hz±15dB 12KHz±15dB
Power source ....	AC 110V / 60Hz
Electricity consumption ....	650W
Net Weight ....	14.5KGS
Dimension ( mm ) ....	430( W )×156( H ) 335( D )

◦ Specifications and features are subject to changed without notice.

## 5.CAUTION

<p>Be careful when open, otherwise electric shock or serious damage may be made to the product.</p> 	<p>Unplug this product from the wall outlet when not use for a long period of time.</p> 	<p>Unplug this product from the wall outlet during lightning.</p> 
<p>Objects do not fall into the enclosure.</p> 	<p>Arrange power cords safely. Do not hold the cord when pulling out from the wall outlet. Put out folding plug.</p> 	<p>This product must not touch chemicals such as benzene, thinner or alcohol. This may result in discoloration.</p> 
<p>Do not use this product in wet place.</p> 	<p>This product should be installed in well-ventilated and cool place.</p> 	<p>This product should be installed flatly and should soften shocks.</p> 