

# Martin Ranger

PROFESSIONAL KARAOKE SYSTEM

## DKM-800

DIGITAL KARAOKE MIXER



# OPERATION MANUAL

# 1. SAFETY INSTRUCTIONS

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK, DO NOT OPEN!	
<b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

## Explanation of Graphical Symbols




The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,  
DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

- 1 Read instructions- All the safety and operating instructions should be read before the unit is operated.
- 2 Retain Instructions - The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings- All warnings on the units and in the operating instructions should be adhered to.
- 4 Follow Instructions - All operations and other instructions should be followed.
- 5 Water and Moisture- The unit should not be used near water- for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
- 6 Carts and Stands - The unit should be used only with a cart or stand that is recommended by the manufacturer.
- 6A A unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn. 
- 7 Grounding or Polarization- Precautions should be taken so that the grounding or polarization is not defeated.
- 8 Ventilation - The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug, or similar surface, that may block the ventilation openings;

or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

- 9 Heat- The unit should be situated away from heat sources such as radiators, stoves, or other appliances that produces heat.
- 10 Power Sources - The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
- 11 Power Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit the unit.
- 12 Cleaning- The unit should be cleaned only as recommended by the manufacturer.
- 13 Nonuse Periods- The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.
- 14 Object and liquid Entry- Care should be taken so that objects do not fall into and liquids are not spilled into the inside of the unit.
- 15 Damage Requiring Service - The unit should be serviced by qualified service personnel when:
  - A. The power supply cord or the plug has been damaged; or
  - B. Objects have fallen, or liquid has been spilled into the unit; or
  - C. The unit has been exposed to rain; or
  - D. The unit does not appear to operate normally or exhibits a marked change in performance.
  - E. The unit has been dropped, or the cabinet damaged.
- 16 Servicing - The user should not attempt to service the unit beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17 Power Lines - An outdoor antenna should be located away from power lines.

## IMPORTANT

please record the serial number of this unit in the space below.

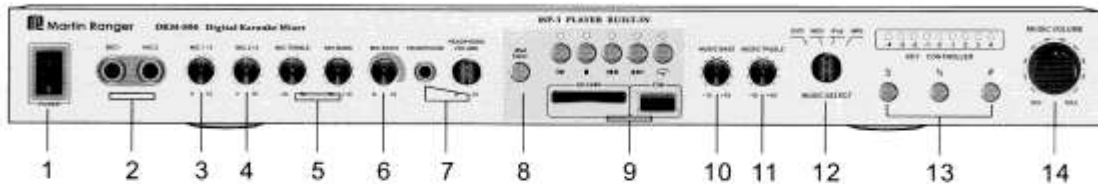
Model:

Serial No.:

The serial number is located on the rear of the unit.

Retain this Owner's Manual in a safe place for future reference.

## 2. FUNCTION OF FRONT PANEL



### 1. POWER ON/OFF SWITCH

Press the button to turn the main unit on or off.

### 2. MICROPHONE INPUT JACK

Plug-in the 2 separate microphones for usage.

### 3. MICROPHONE(1), (3) VOLUME CONTROL

Adjust to increase or decrease the volume of the microphone(1), (3).

### 4. MICROPHONE(2), (4) VOLUME CONTROL

Adjust to increase or decrease the volume of the microphone(2), (4).

### 5. MICROPHONE TONE CONTROLS

Use bass and treble tone controls to adjust the tone of all microphone channels.

### 6. ECHO VOLUME CONTROL

Use to adjust the level of the Echo Effect in relation to the volume of microphones.

### 7. HEADPHONE JACK & VOLUME CONTROL

Use headphone jack to plug the headset and use Volume control to adjust the music volume to headphone .

### 8. iPod INPUT JACK

Use iPod input jack to connect the iPod player.

### 9. MP3 PLAYER

Select these button and SD card/USB input jack for MP3 player usage.

### 10. MUSIC BASS CONTROL

Adjust to strengthen or weaken the music bass response.

### 11. MUSIC TREBLE CONTROL

Adjust to strengthen or weaken the music treble response.

### 12. INPUT SIGNAL SELECTOR

Selects the music source connected to the input jacks .

### 13. KEY CONTROL

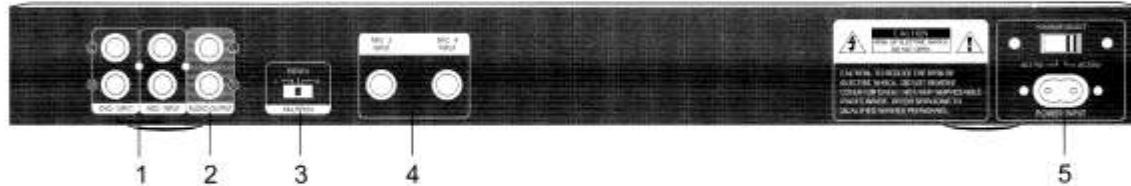
Adjust to select the music's key according to the singer's key.

### 14. MUSIC MASTER VOLUME CONTROL

Use this control to adjust the playback volume of the music.

### 3. FUNCTION OF REAR PANEL

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#### 1.MUSIC SOURCE INPUT

The terminal use to connect sound source, such as DVD/CDG/CD/ MIDI Player.

#### 2.AUDIO OUT

Connect this RCA type line level output to the input of an Integrated amplifier or Power amplifier.

#### 3.CHANNEL TYPE SELECTOR (MULTIPLEX)

Choose from left mono channel, right mono channel and stereo output for multiplex CDG/ VCR and DVD karaoke multiplex media.

#### 4.MICROPHONE (3/4) JACK

These jacks are also for connecting microphones. The MIC 3 jack is connected to the same circuit as the MIC input 1 jack on the front panel. and the MIC 4 jack is connected to the same circuit as the MIC input 2 jack on the front panel.

NOTE: The MIC 1 and MIC 3 / MIC 2 and MIC 4 should not be connected at the same time.

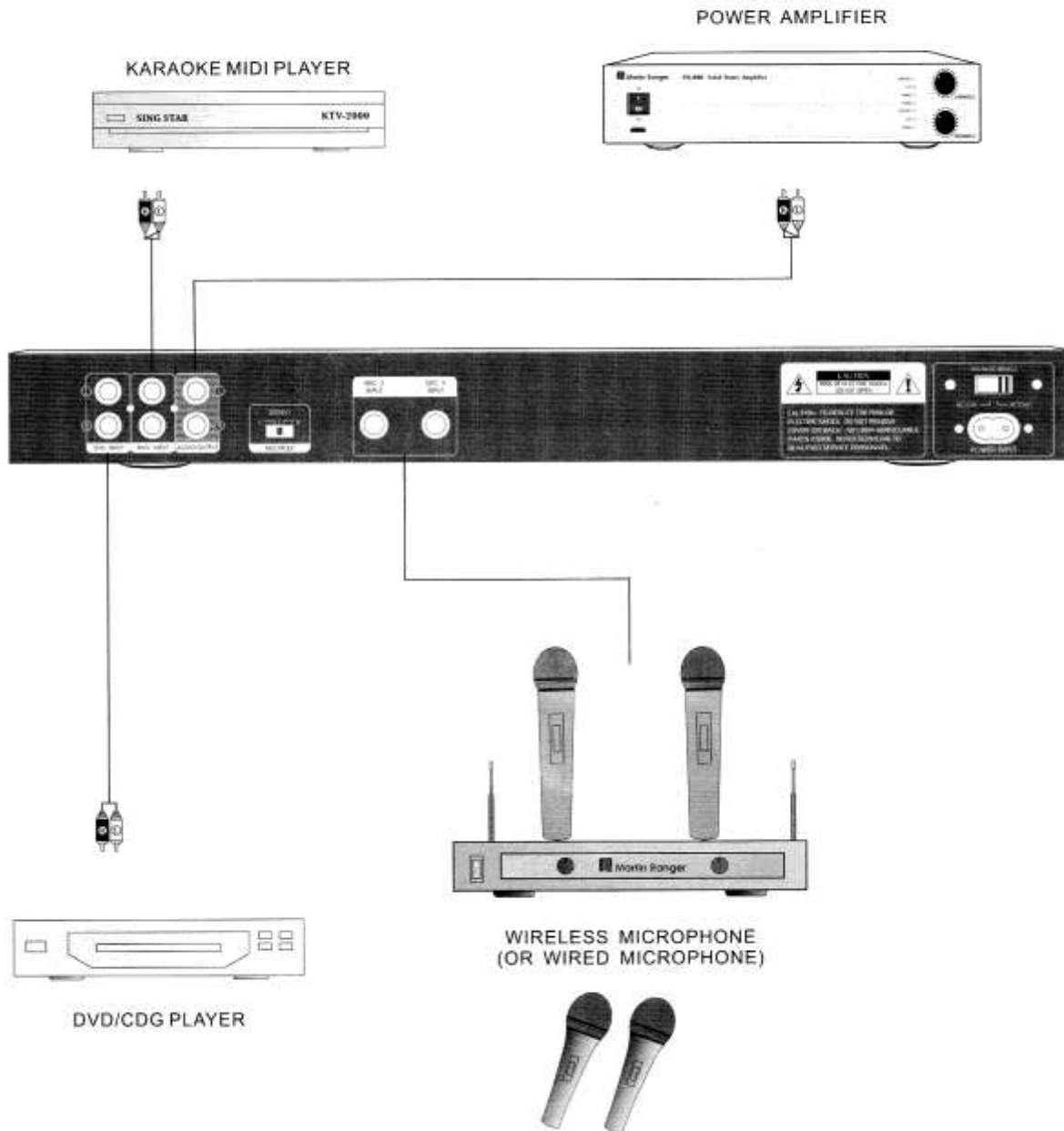
#### 5. AC POWER CORD INPUT

Connect the AC power cord to this socket when the installation is completed .

# 4. CONNECTING GUIDE

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- Do not power on the unit until all the connections are completed.
- When the pin plug cords are employed, always connect the "White" plug to the left channel and "Red" plug to the right channel. This helps to avoid reversed connections.
- Insert the plugs firmly, poor contact will result no sounds or noise.



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## 5. SPECIFICATIONS

### Configuration Sensitivity

MICROPHONE ..... 6mV / 600 $\Omega$   
 DVD INPUT ..... 300mV / 22K $\Omega$   
 MIDI INPUT ..... 300mV / 22K $\Omega$

### Frequency Response

MICROPHONE ..... 100 Hz~10KHz  
 MUSIC ..... 25 Hz~20KHz

Power Source ..... AC 230V / 50 Hz  
 OR AC 110V / 60 Hz

Power Consumption ..... 40W

T.H.D. (1KHz AUX 150mV INPUT) ..... 0.1%

### Tone Control



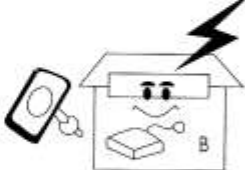
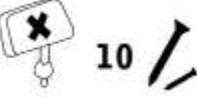
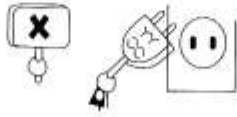
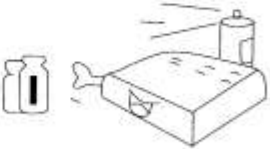

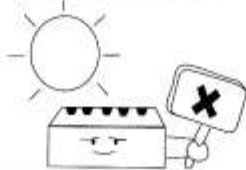

MUSIC MODE: BASS ..... -6dB +10dB (100Hz)

TREBLE ..... -6dB +10dB (10KHz)

MIC. MODE: BASS ..... -5dB +8dB (100Hz)

TREBLE ..... -5dB +8dB (10KHz)

## 6. PRECAUTIONS

<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. Pull out holding 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 not be shaken.</p> 

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