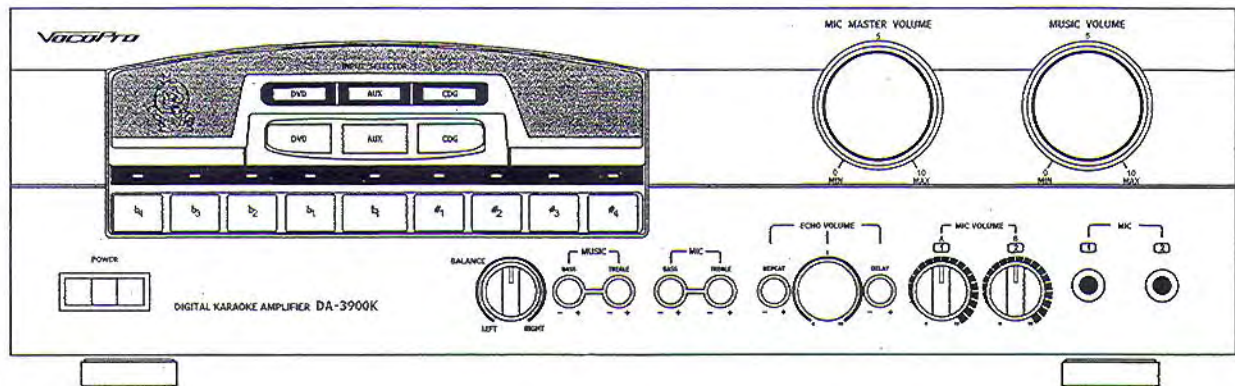


# Operating Instructions

## Digital Karaoke Amplifier DA-3900K



Thank you for buying this product.  
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.  
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

**WARNING:** TO REDUCE FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

# DA-3900K



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user 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 the user 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 APPLIANCE TO RAIN OR MOISTURE.**

## HANDLING PRECAUTIONS

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### Do not install the unit in following places...

- In a place which is exposed to direct sunlight or near a source of heat such as a radiator.
- In a place where the heat cannot escape due to poor ventilation, or where it is very humid or dusty.
- In an unstable place with excessive vibrations or sloping.
- In a place which may be exposed to rain, such as near a window.
- In a place which may be exposed to soot, vapor or heat, such as near a cooking table.

## BEFORE CONNECTION

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### Connection precautions

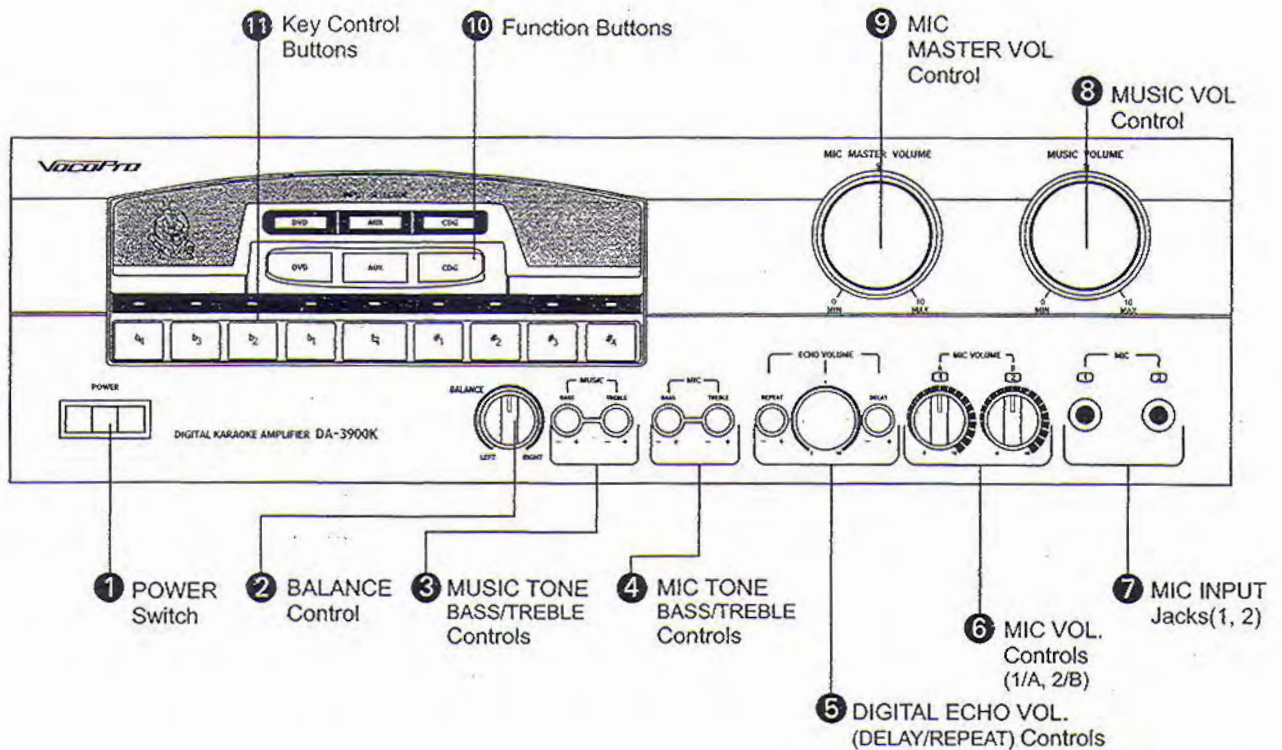
- \* Be sure to switch off the power of the related equipment before making any connections.
- \* The "white" input/output jacks of the amplifier are designed for the left channel, while the "red" jacks are for the right channel. Be sure to connect the cords to the corresponding left and right channels.
- \* Insert the plugs of the connection cords securely into the jacks. If the connection is incomplete, sound may not be produced or noise may be generated.
- \* When unplugging the power cord from the power outlet be sure to grasp the plastic molding of the plug and pull.

### Power consumption of AC power outlets

- \* Be careful that the total power consumption does not exceed the wattage marked on the rear panel. Do not connect other appliances than the system components to the power outlets of this unit.
- \* Do not connect a TV set to this unit; even if the power consumption value marked on a TV set is below the permissible limit of this unit, a larger current than the permissible value may flow when the TV power is turned on.

# NAMES OF PARTS AND THEIR FUNCTIONS

(FRONT PANEL)



## 1 POWER Switch

Press this switch to turn the power ON. Press it again to turn the power OFF.

## 2 BALANCE Control

With this control you can adjust the balance of the volume between the left and right channels.

## 3 MUSIC TONE BASS/TREBLE Controls

These controls are used to boost or cut the low and high frequency responses.

## 4 MIC TONE BASS/TREBLE Controls

These controls are used to boost or cut the low and high frequency response of microphones.

## 5 DIGITAL ECHO VOL. (DELAY/REPEAT) Controls

Adjust the parameters of the echo effect with these controls as desired.

DELAY Control:

Adjust the delay time with this control.

REPEAT Control:

Adjust the interval of repetitions with this control.

EFFECT RETURN VOL. Control:

Adjust to the desired echo volume.

## 6 MIC VOL Controls(1/A,2/B)

1/A: This control adjusts the microphone input level from the MIC INPUT 1 jack ( front panel ) and MIC A jack ( rear panel).

2/B: This control adjusts the microphone input level from the MIC INPUT 2 jack ( front panel ) and MIC B jack ( rear panel ).

## 7 MIC INPUT Jacks (1, 2)

These jacks are for connecting microphones.

## 8 MUSIC VOL Control

This control allows you to adjust the volume of the musical source.

## 9 MIC MASTER VOL Control

This control adjusts the overall volume of all microphones.

## 10 FUNCTION Buttons

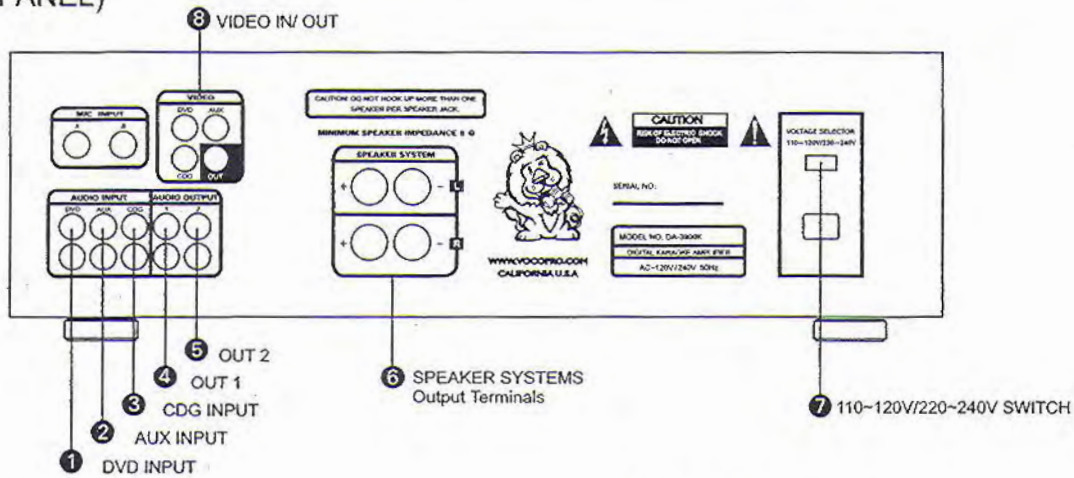
When the manual function selection is used, press to select the input function.

## 11 Key Control Buttons

Press to transpose the key of the music. The key can be transposed by 4 steps up and 4 steps down the from original key in 1/2 tone per step increments. The new key is indicated by the indicator above the button.

# NAMES OF PARTS AND THEIR FUNCTIONS

(REAR PANEL)



## 1 DVD Input Jacks

Connect the output jacks of the DVD player to these jacks.

## 2 AUX Input Jacks

Connect the output jacks of the AUX deck to these jacks.

## 3 CDG Input Jacks

Connect the output jacks of the CDG function (cable broadcasting) to these jacks.

## 4 OUT 1 Output Jacks

Connect the input jacks of the extension power amplifier or the mixer to these jacks.

## 5 OUT 2 Output Jacks

Connect the input jacks of the extension power amplifier or the mixer to these jacks.

## 6 SPEAKER Output Terminals.

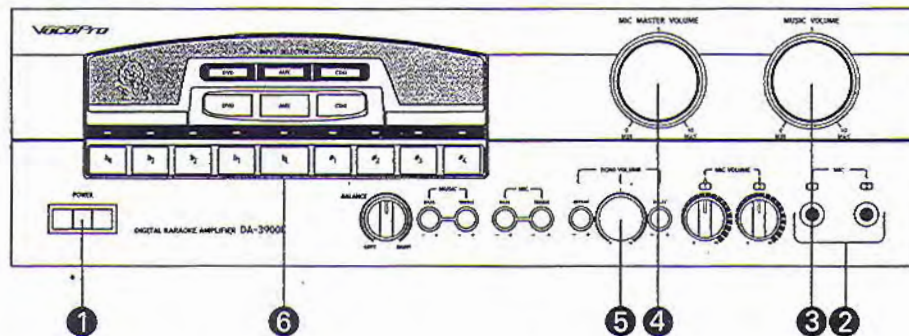
## 7 VOLTAGE SELECTOR

Use 110~120V for U.S.A system, use 220~240V for Europe System.

## 8 VIDEO INPUT/OUTPUT JACKS:

Connect the video input jacks from the video output jack of the players. Connect the video output jack of DA-3900K to your TV.

# GENERAL OPERATION



- 1 Set the power switches of this unit and other required components to ON (by pressing them in ).
- 2 Connect the required number of microphones.
- 3 Play the Karaoke music source component, and adjust the volume with MUSIC VOL control.
- 4 Adjust the balance between the volumes of the microphones, and the balance between the overall microphone volume and music volume, by turning the MIC VOL controls and MIC MASTER VOL control.
- 5 Adjust the echo level by the MAIN ECHO VOL control.
- 6 Set the desired key by the DIGITAL KEY CONTR-OLLER buttons.

## Notes for Proper Use of Microphones

- Talk into the microphone by holding it at a distance of 5 to 10 centimeters from your mouth.
- To ensure clear vocal, hold the microphone in a position at a certain distance from the head.
- Do not block the lower part of the windscreen. This will disturb proper voice reproduction of unclear bass. Howling also tends to occur in such a case.



5 to 10 cm (2 to 4 in.) away from your mouth.

# MAINTENANCE

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When, the unit gets dirty, wipe with a soft, dry cloth. If the unit is extremely dirty, soak a soft cloth in a solution of 5 to 6 parts of tableware detergent to water wring it tight, wipe the dirt away, and finally wipe the unit with a dry cloth. Never use alcohol, thinner, benzine, insecticide or other volatile agents, for they may damage the surface paint or gloss of the set.

Also do not wipe the set with a chemical cloth or leave it on the set for a long period, for the surface finish may be degraded or the paint may be stripped off.

# TROUBLESHOOTING

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Should faults occur, it is in many cases due to a simple operational mistake. On the basis of the following checks you will be able to correct a number of faults yourself without difficulty.

If the fault cannot be remedied after the following check, please consult your dealer.

Symptom	Possible Causes	Remedy
No sound from speakers.	<ol style="list-style-type: none"><li>1. The power ON/OFF switch is set to "OFF".</li><li>2. The power cord is unplugged.</li><li>3. The MUSIC VOL control is in the minimum position.</li></ol>	<ol style="list-style-type: none"><li>1. Set the power ON/OFF switch to "ON".</li><li>2. Plug the power cord securely into the power outlet.</li><li>3. Adjust the control.</li></ol>
No sound from one speaker.	<ol style="list-style-type: none"><li>1. The BALANCE control is turned fully to the left or right.</li><li>2. One of the speaker cords is disconnected.</li></ol>	<ol style="list-style-type: none"><li>1. Set the control to the center position.</li><li>2. Insert the cord securely into the terminals.</li></ol>
Microphone isn't working.	<ol style="list-style-type: none"><li>1. The microphone plug is not fully inserted.</li><li>2. The switch on the microphone is set to "OFF".</li><li>3. The corresponding MIC VOL control or MIC MASTER VOL control is in the minimum position.</li><li>4. The microphone is too far apart from your mouth, or the microphone handling is improper.</li></ol>	<ol style="list-style-type: none"><li>1. Insert the plug securely into the jack.</li><li>2. Set the switch on the microphone to "ON".</li><li>3. Adjust the control.</li><li>4. Refer to the user's manual supplied with your microphone.</li></ol>

# ETIQUETTE OF SOUND

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The karaoke performance you enjoy may be disturbing noise to others. When performing karaoke, be sure to consider your neighbors.

The volume of karaoke is at your command. Remember that even a small sound transmits very well at night, so be especially careful. It is recommended to close the windows to avoid sound leakage, and show consideration for others.

## SPECIFICATIONS

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### Amplifier

Maximum Output (1kHz 8 ohm) EIAJ.....	100W+100W
Total Harmonic Distortion (1 kHz, 35 W, 8 ohm).....	0.05%
Input Jacks (Sensitivity/Impedance)	
MIC .....	3 mV/5 kohm
DVD AUX .....	300 mV/47 kohm
CDG .....	300 mV/47 kohm
Frequency Responses	
MIC .....	20 Hz to 15 kHz, +0/-3dB
MUSIC .....	20 Hz to 20 kHz, +0/-3dB
Tone Control Characteristics	
Music	
BASS.....	±8dB (100Hz)
TREBLE.....	±8dB (10kHz)
Microphone	
BASS.....	±8dB (100Hz)
TREBLE.....	±8dB (5kHz)
Speaker Output Terminals.....	4 ohm to 8 ohm
Key Control Range.....	8 steps, ±2 whole tones in 1/2 step increments

### Power Supply, etc.

Supply Voltage .....	AC 110V~120V/220V~240V
Power Consumption.....	340W
Dimensions(W×H×D).....	420×140×415mm
Weight.....	10kg

### Accessories

Owner's Manual .....	1
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\* Future product improvement, design and specifications are subject to change without notice.