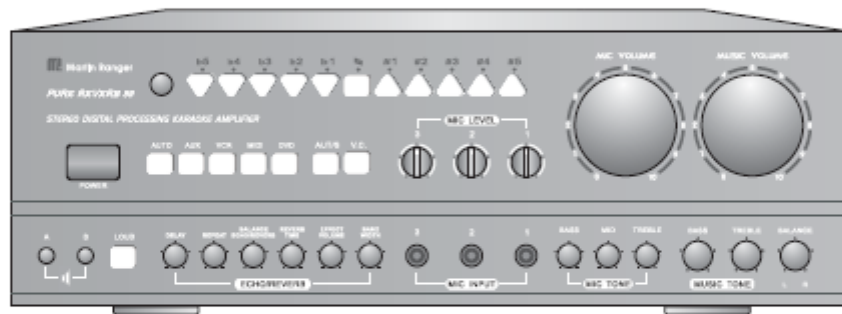




## PURE REVERB 99

STEREO DIGITAL PROCESSING KARAOKE AMPLIFIER



- Innovative Digital Echo And Reverb Processing
- Manual/Automatic Input Channel Switching
- Particular Automatic Singing-mate Function
- Vocal Cancel Function For Karaoke
- 11 Steps Digital Key Control
- A/B Speaker System Selection
- Multiple Video Switching
- Remote-In Jack For External Devices
- Overload And Short Protecting Circuit
- Dual Voltage Selector
- Removable Rack Mounting

## SAFETY INSTRUCTIONS

<div style="display: inline-block; text-align: center; border: 1px solid black; padding: 2px; margin: 0 10px;"> <b>CAUTION</b>  <b>RISK OF ELECTRIC SHOCK,</b>  <b>DO NOT OPEN!</b> </div>
<p><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.</p>

### 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.



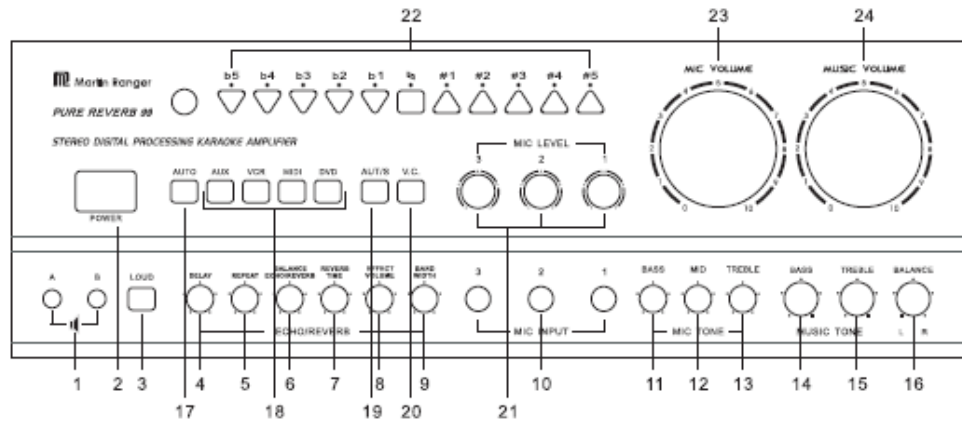
The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

<p><b>WARNING:</b>          TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.</p>
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- 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.
- 18 Grounding or Polarization - Precautions should be taken so that the grounding or polarization is not defeated.

<p><b>IMPORTANT</b>          please record the serial number of this unit in the space below.</p> <p>Model:          Serial No.:</p> <p>The serial number is located on the rear of the unit.          Retain this Owner's Manual in a safe place for future reference.</p>
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## 1. OPERATING GUIDE



- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. "A" &amp; "B" speaker system select</li> <li>2. Power ON/OFF switch</li> <li>3. Loudness switch</li> <li>4. Echo delay time control</li> <li>5. Echo repeat length control</li> <li>6. Balance control of Reverb and Echo</li> <li>7. Reverb time control</li> <li>8. Effect level of reverb and echo</li> <li>9. Band width control</li> <li>10. Microphone input</li> <li>11. Microphone bass adjust</li> <li>12. Microphone mid-range adjust</li> </ol> | <ol style="list-style-type: none"> <li>13. Microphone treble adjust</li> <li>14. Music bass adjust</li> <li>15. Music treble adjust</li> <li>16. Balance control</li> <li>17. Automatic input source selector</li> <li>18. Input source selector</li> <li>19. Auto singing-mate switch</li> <li>20. Vocal cancel switch</li> <li>21. Microphone level</li> <li>22. Key control</li> <li>23. Microphone master volume control</li> <li>24. Music volume control</li> </ol> |
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## 2. ECHO / REVERB DESCRIPTION

### Echo Delay

There are 32 adjustment points from 140mS to 233mS(3mS/step). Clockwise will increase echo delay time. If you keeping change echo delay time with continue input may generate noise from output. It will be disappear once you stop change echo delay time.

### Echo Repeat

There are 64 adjustment points from 30% to 80%. It controls the length of echo repeat. Clockwise will increase echo repeat length.

### Echo / Reverb Balance

There are 64 adjustment points form 0% to 100%. It balances the output volume of Echo and Reverb. Clockwise will increase the output volume of Reverb and decrease Echo output volume.

### Reverb Time

There are 64 adjustment points from 35% to 85%. It controls the length of reverb time. Clockwise will increase reverb time.

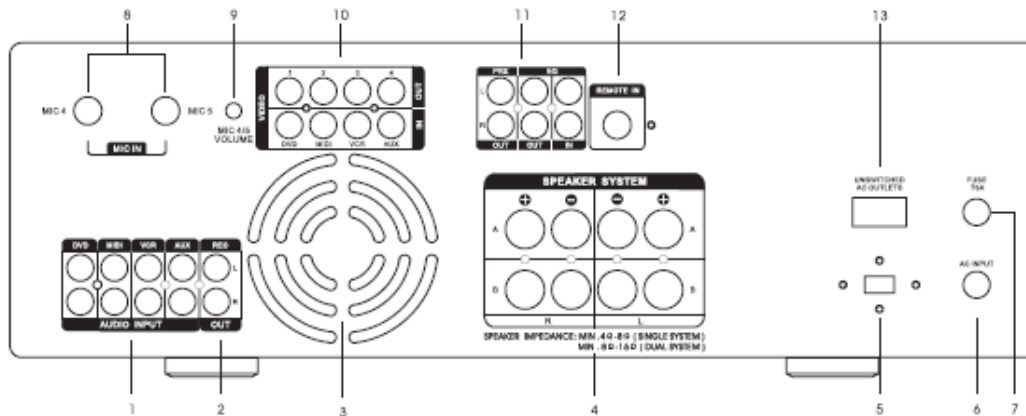
### Effect / Direct path volume

There are 64 adjustment points from 0% to 100%. It balances the output volume of direct path and effect. Clockwise will increase the output volume of effect and decrease direct path volume.

### Band Width

There are 16 adjustment points to control the length of the consonants. Clockwise makes the consonant longer.

### 3.FUNCTION OF REAR PANEL



#### 1. STEREO AUDIO INPUT

The terminal use to connect sound source, such as DVD MIDI VCR AUX. The original setting is on AUX position.

The auto search signal input priority order is:  
1.DVD 2.MIDI 3.VCR 4.AUX.

**NOTE:** on AUX position the key control is not function.

#### 2. RECORD SIGNAL OUTPUT

Use to connect the recorder devices.

#### 3. HEATSINKING BLOWER OUTLET

#### 4. 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 speaker system 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.

#### 5. DUAL VOLTAGE SELECTOR

Be sure before turn On switch in proper position, plug the power cord into a power source and press the power switch

#### 6. AC POWER SUPPLY

Before plug-in the power supply, be sure to use the correct voltage of 230V 50Hz/115V 60Hz.

#### 7. AC POWER FUSE HOLDER

Use T5A fuse.

#### 8.REAR MIC INPUT JACKS

Plug-in the 2 separate microphones or wireless microphones for usage.

#### 9. MICROPHONE VOLUME CONTROL

Adjusts to increase or decrease the volume of the microphone(4 . 5)

#### 10.VIDEO INPUT/OUT JACKS

Connect input jack with the video output of AUX VCR \ DVD or MIDI etc. And connect output jack with the video input of the monitor TV.

#### 11. SOUND-EFFECT DEVICE INPUT/OUTPUT TERMINAL

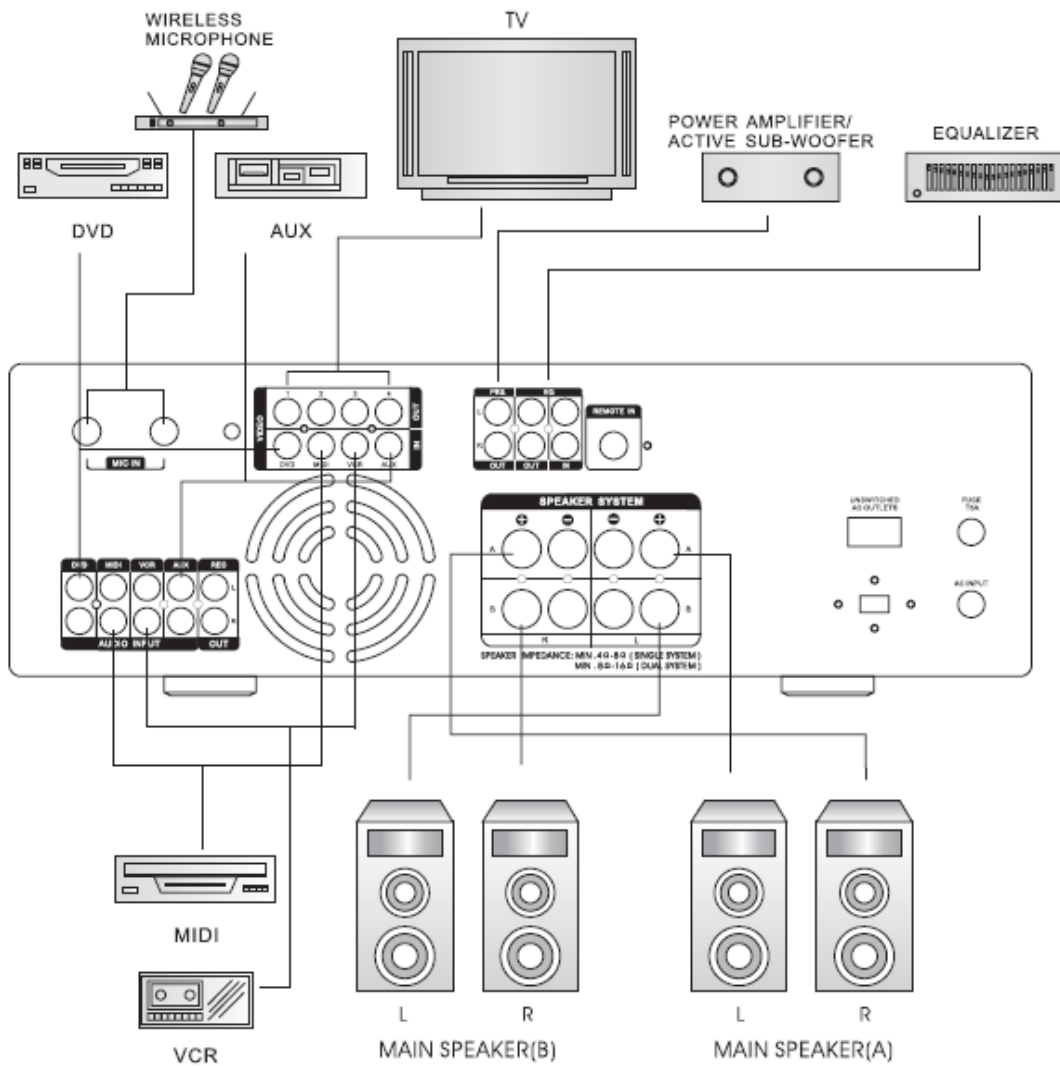
The terminal use to connect external sound-effect devices such as Equalizer, Power Amplifier or Active sub-woofer system.

#### 12.REMOTE CONTROL JACK

Termined S JACKS be connected with song selector remote, then remote this effect.

#### 13.AC OUTLETS

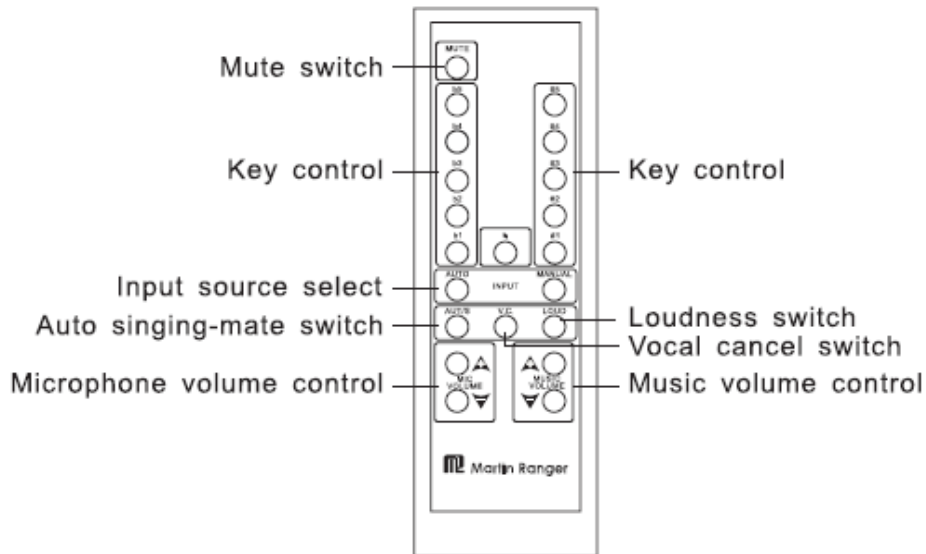
4.CONNECTING GUIDE



**NOTE:**

When using 2 speaker systems simultaneously, the impedance should not be lower than 8 ohms for each system, otherwise the unit may be damaged under high power and long term operation.

5.REMOTE CONTROL



6.SPECIFICATIONS

Audio output max. ....	280W+280W
Mic input sensitivity .....	15mV
External devices sensitivity .....	250mV
Signal / Noise ratio ( with IHF A Fiter ) .....	80dB
T.H.D. ( 1 kHz. AUX 150mV INPUT ) .....	0.1%
Frequency Response .....	25Hz~20KHz
Mic. Tone adjustment .....	100Hz±10dB 3KHz±5dB 10KHz±10dB
Power source .....	AC115V /60Hz AC230V /50Hz
Electricity consumption .....	750W
Net Weight .....	11KGS
Dimension ( mm ) .....	430(W)×141(H) X392(D)

\*Specifications and features are subject to changed without notice.