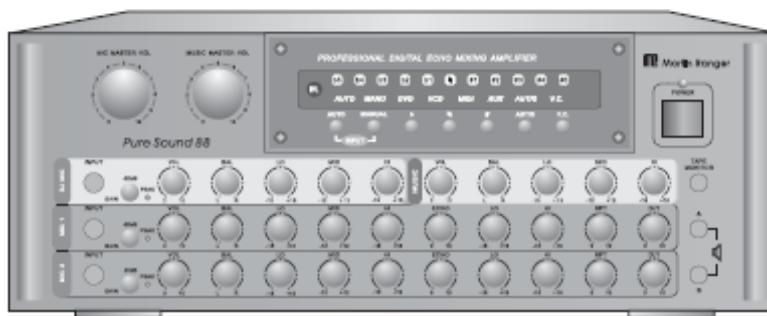




Pure Sound 88

PROFESSIONAL DIGITAL ECHO MIXING AMPLIFIER



- High Precision Dual Echo System
- Manual/Automatic Input Channel Switching
- Particular Automatic Singing-mate Function
- Vocal Cancel Function For Karaoke
- 11 Steps Digital Key Control
- Individual Direct-tone Mike Input For DJ Use
- A/B Speaker System Selection
- Tape Monitor Switch For Ease Tape Record Checking
- 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;"> CAUTION RISK OF ELECTRIC SHOCK, DO NOT OPEN! </div>
<p>CAUTION:</p> <p>TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICABLE 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.



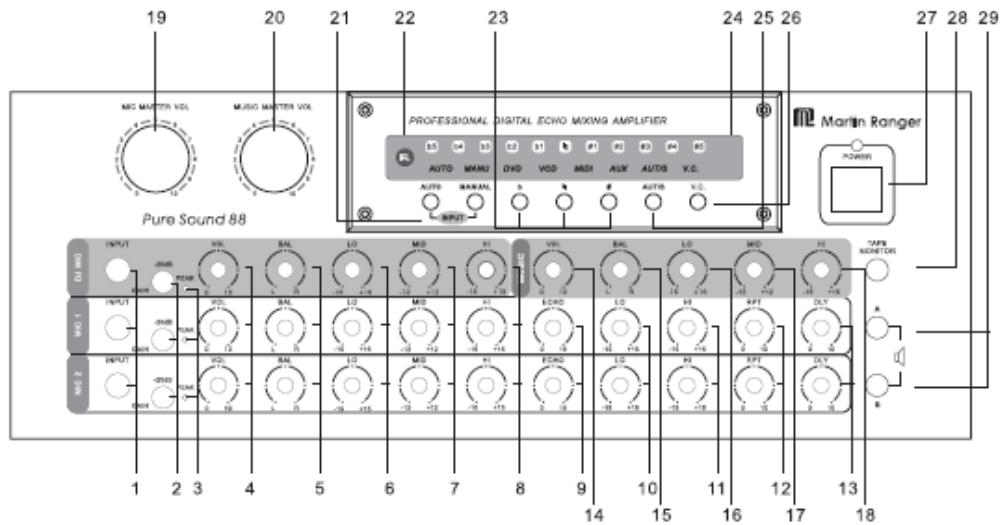
The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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

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. Bass adjust
7. Mid-range adjust
8. Treble adjust

ECHO

9. Echo level control
10. Bass control
11. Treble control
12. Repeat control
13. Delay time control

MUSIC

14. Music signal volume control
15. Balance control
16. Bass adjust
17. Mid-range adjust
18. Treble adjust

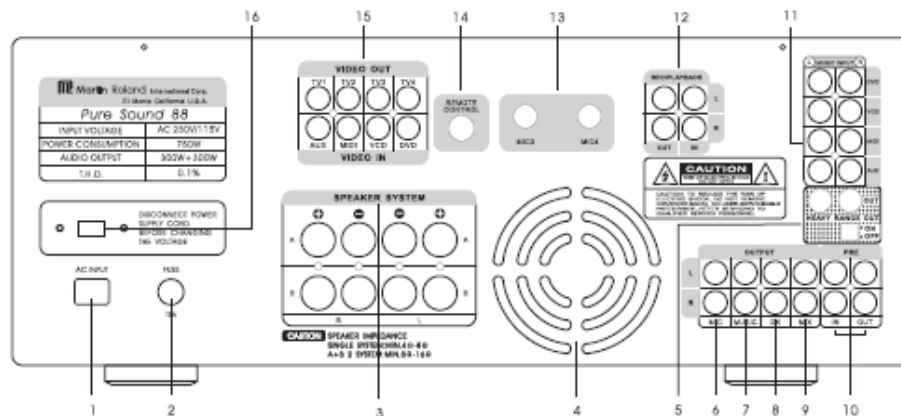
MASTER VOLUME

19. Microphone master volume control
20. Music master volume control

FUNCTION CONTROL

21. Automatic / manual input source selector
22. Remote control sensor
23. Key control
24. Key Display
25. Auto singing-mate switch
26. Vocal cancel switch
27. Power ON/OFF switch
28. Tape monitor switch
29. "A" & "B" speaker system select

2.FUNCTION OF REAR PANEL



1. AC POWER SUPPLY

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

2. AC POWER FUSE HOLDER

Use T5A 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 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.

4. HEATSINKING BLOWER OUTLET

5. HEAVY RANGE FREQUENCY OUTPUT

To connected the external power amplifier or active subwoofer speaker system, or other sound effect devices. Switch on to get heavy range music frequency extension matched to the heavy-music broadcasted.

6. MIC SIGNAL OUTPUT

This terminal outputs microphones' sound only from the amplifier with mike tone adjust and echo effect. but no through master volume control.

7. MUSIC OUTPUT TERMINAL

This terminal outputs music sound only from the amplifier. with music tone adjust, but not through master volume control

8. OK OUTPUT TERMINAL

This terminal outputs the sound of music and microphone with echo from the amplifier, but not through master volume control.

9. MIX OUTPUT TERMINAL

This terminal outputs music and microphone's sound with echo effect, through master volume control.

10. SOUND-EFFECT DEVICE INPUT/OUTPUT

Use this terminal when connecting external sound effect devices such as graphic equalizer, power amplifier

11. MUSIC SOURCE INPUT

The terminal use to connect sound source, such as VCD/CDG DVD MIDI etc. The original setting is on AUX position. The automatic search signal input priority order is: 1.DVD 2.VCD 3.MIDI 4.AUX.

NOTE on AUX position the key control do not function.

12. RECORD SIGNAL IN / OUT

You will require two sets of RCA cables to connect your tape deck's playback or Rec jacks to PLAY jacks on the rear of unit, use the other set of RCA cables to connect to the TAPE record or input jacks REC on the unit.

13. REAR MIC INPUT JACKS

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

14. REMOTE CONTROL JACK

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

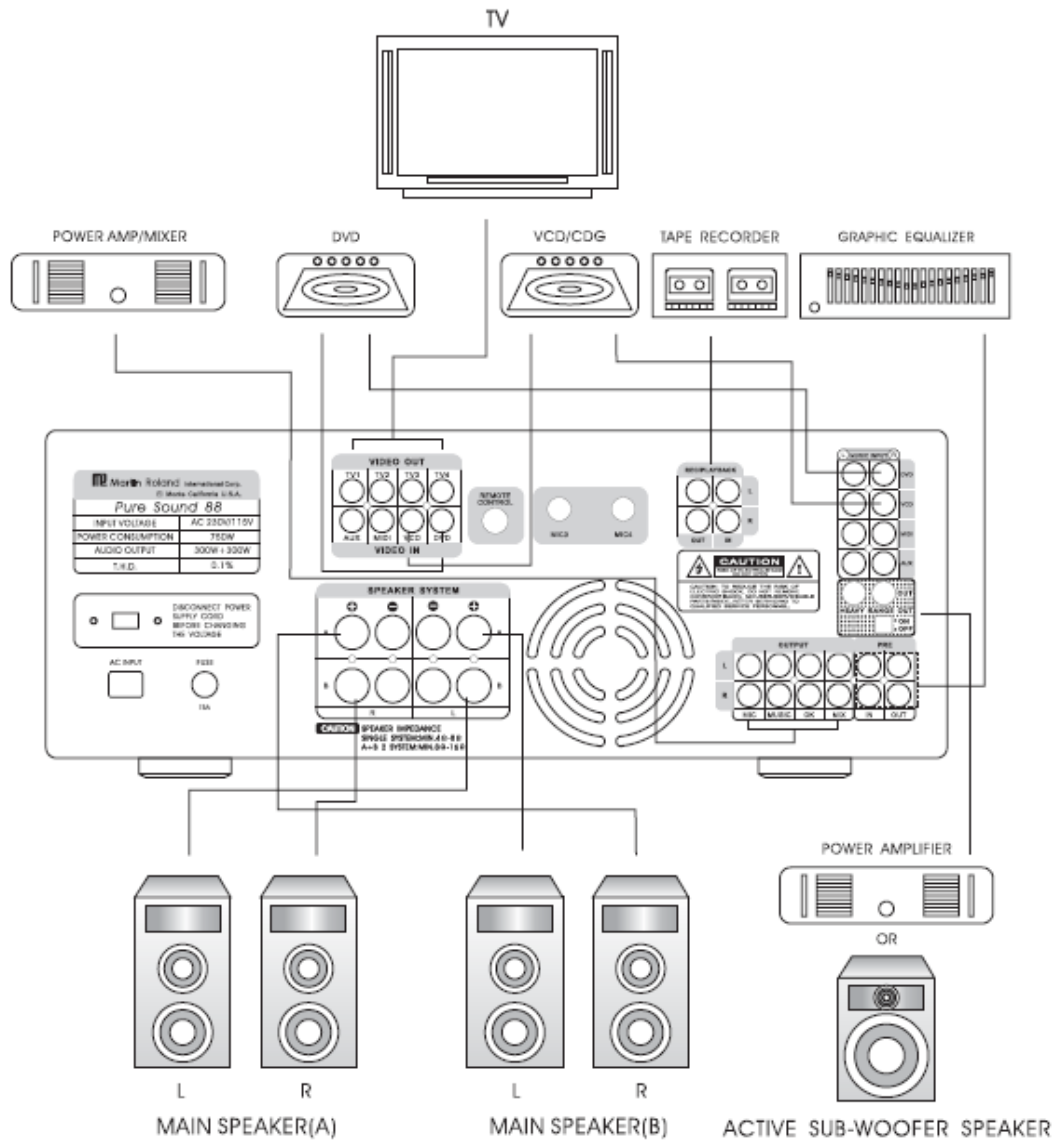
15. VIDEO INPUT/OUT JACKS

Connect input jack with the video output of DVD VCD \ Video tape or MIDI etc. And connect output jack with the video input of the monitor TV.

16. 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

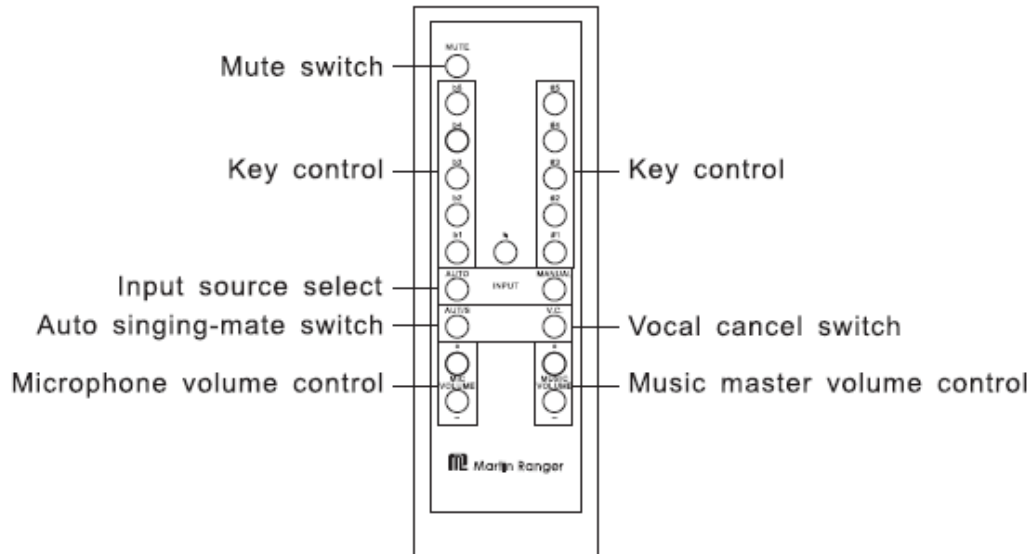
3.CONNECTING GUIDE



NOTE:

When using 2 speaker systems simultaneous, 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.

4.REMOTE CONTROL



5.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)	0.1%
Frequency Response	25Hz~20KHz
Mic. Tone adjustment	80Hz±15dB 3.5KHz±5dB 12KHz±15dB
Echo tone adjustment	80Hz±15dB 12KHz±15dB
Power source	AC115V/60Hz AC230V/50Hz
Electricity consumption	750W
Net Weight	16KGS
Dimension (mm)	430(W)×156(H) X355(D)

* Specifications and features are subject to changed without notice.