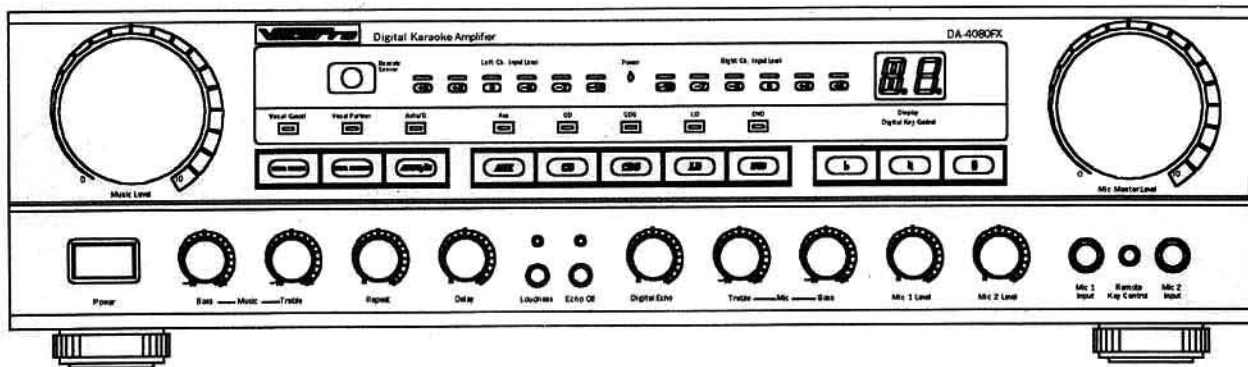
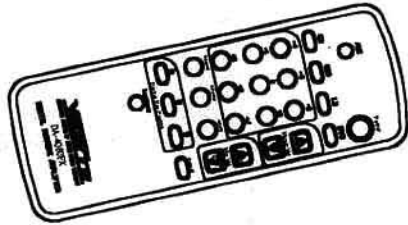


VOCOPro



DA-4080FX DIGITAL KARAOKE AMPLIFIER

Owner's Manual

Thank you for purchasing this unit. To make full and effective use of this unit, please read this User's Guide carefully before operating.

After reading, retain this booklet together with the Warranty Card for future use in case of difficulty or trouble.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**

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

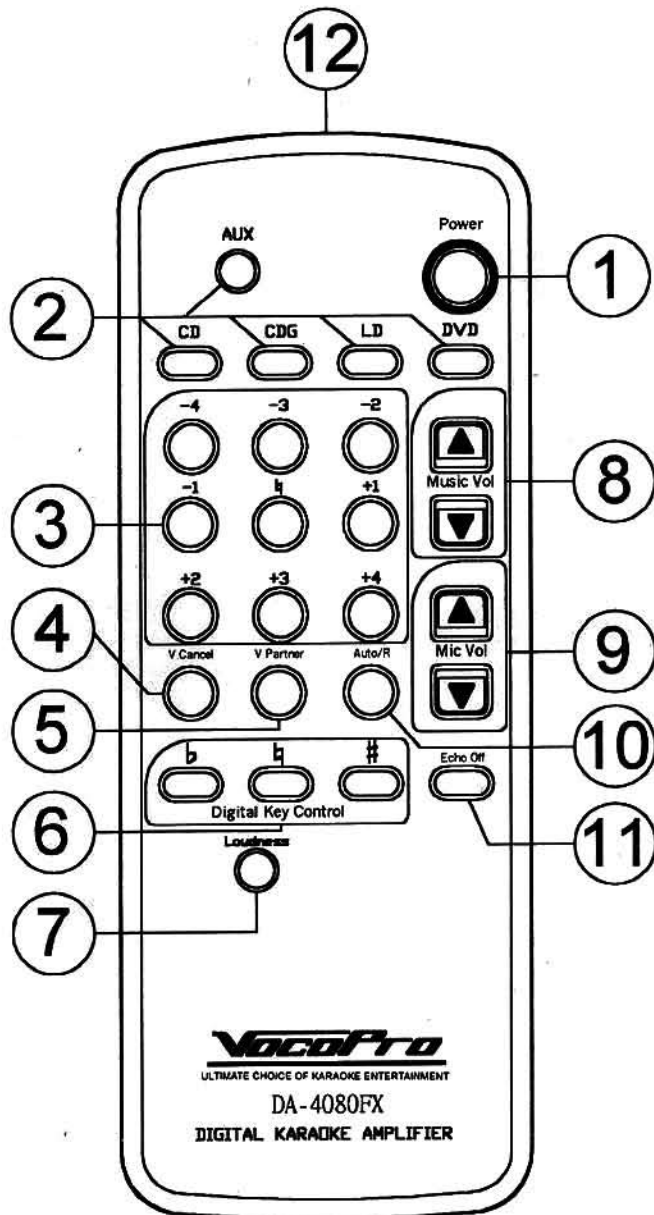
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS
(POLARIZED) PLUG WITH AN EXTENSION CORD. RECEPTACLE
OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED
TO PREVENT BLADE EXPOSURE.**

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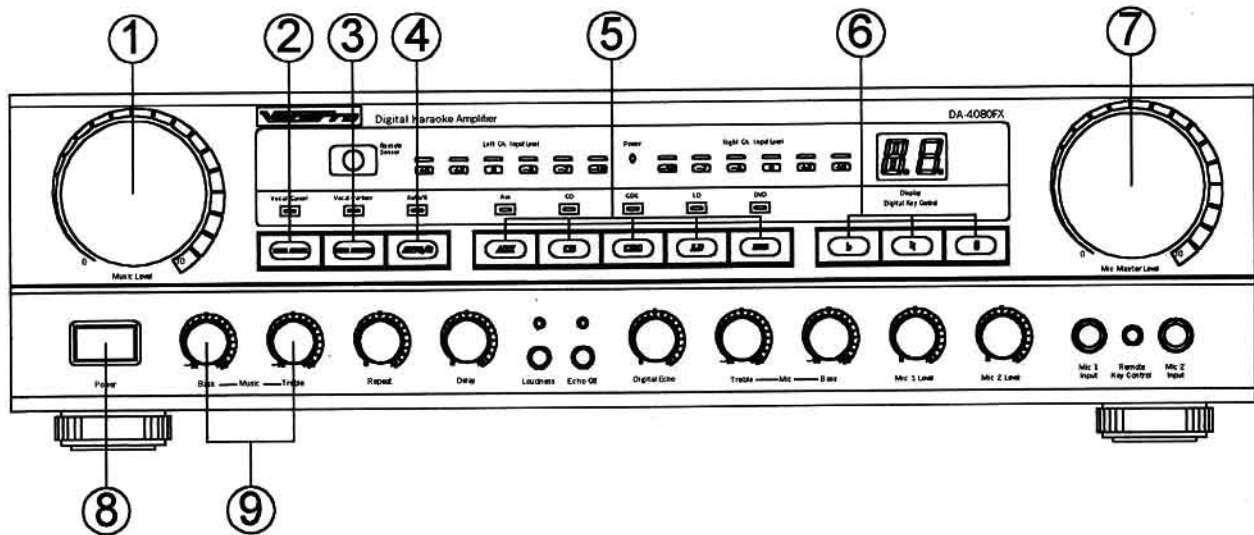
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REMOTE CONTROL



1. POWER SWITCH
2. AUDIO & VIDEO SELECTOR BUTTON
3. DIRECT ACCESS DIGITAL KEY CONTROL
4. VOCAL CANCEL BUTTON
5. VOCAL PARTNER BUTTON
6. DIGITAL KEY CONTROL
7. LOUDNESS BUTTON
8. MUSIC VOLUME CONTROL BUTTON
9. MICROPHONE VOLUME CONTROL BUTTON
10. AUTO KEY RESET
11. ECHO OFF BUTTON
12. REMOTE SENSOR

FRONT PANEL



1. MUSIC VOLUME CONTROL

CONTROLS THE VOLUME OF THE MUSIC CONNECTED TO THE AMPLIFIER

2. VOCAL CANCEL MODE

USE THIS MODE TO CANCEL THE VOCAL ON SPECIAL PRERECORDED MULTI-AUDIO TAPE OR DISC

3. VOCAL PARTNER MODE

USE THIS MODE FOR SINGING WITH THE PRE RECORDED VOCALS ON THE SPECIAL MULTI-AUDIO TAPE OR DISC

4. AUTO RESET MODE

WHEN ACTIVATED, THE KEY BUTTON WILL RESET BACK TO A NEUTRAL KEY AFTER EACH SONG

5. INPUT SELECTOR / INDICATORS

THIS SELECTS THE INPUT SOURCE YOU WISH TO PLAY

6. KEY CONTROL BUTTONS / INDICATORS

PRESSING THIS BUTTON WILL BRING THE KEY OF THE SONG UP IN 1/4 STEP INTERVALS A MAXIMUM OF 6 STEPS ARE AVAILABLE.

7. MIC MASTER VOLUME

MASTER MICROPHONE VOLUME FOR MIC.1 AND 2

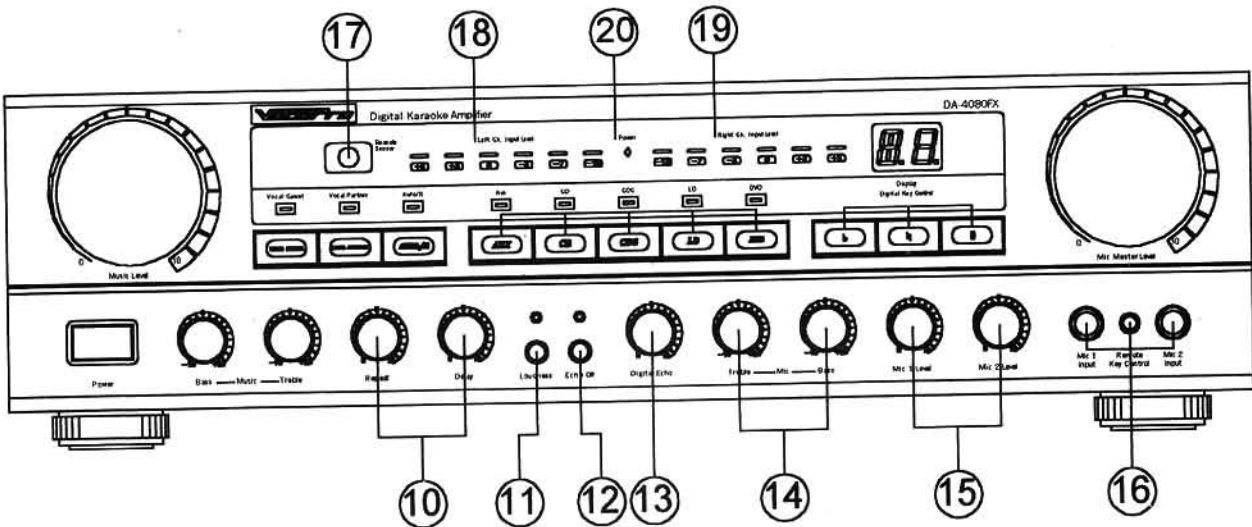
8. POWER SWITCH

THIS SWITCH TURNS THE POWER ON AND OFF

9. MUSIC BASS AND TREBLE CONTROL

ADJUSTS THE TONE (BASS / TREBLE) OF THE MUSIC

FRONT PANEL



10.REPEAT AND DELAY CONTROL

- a.) REPEAT: THIS CONTROLS THE TIMING OF THE ECHO ON MIC 1 AND 2
- b.) DELAY : THIS CONTROLS THE AMOUNT OF REPEATS FROM THE ECHO

11.LOUDNESS BUTTON

PRESS THIS BUTTON TO GIVE A BOOST ON HIGH AND LOW FREQUENCY EVEN ON LOWER VOLUME SETTING

12.ECHO OFF BUTTON

PRESS THIS BUTTON TO TURN OFF DIGITAL ECHO SYSTEM.

13.MIC ECHO CONTROL

CONTROLS THE DIGITAL ECHO LEVELS FOR MICROPHONES 1 AND 2 SIMULTANEOUSLY

NOTE: THIS CONTROL DOES NOT FUNCTION WHEN THE ECHO BUTTON IS TURNED OFF

14.MIC BASS AND TREBLE CONTROL

ADJUSTS THE TONE (BASS/TREBLE OF THE MICROPHONE)

15.MIC.1 AND MIC.2 CONTROL

TO ADJUST THE RESPECTIVE MICROPHONES VOLUME LEVEL INDEPENDENTLY

16.MIC AND KEY CONTROLLER JACKS

CONNECT YOUR MICROPHONE JACK(S) AND ITS KEY-CONTROL JACK (IF AVAILABLE) HERE

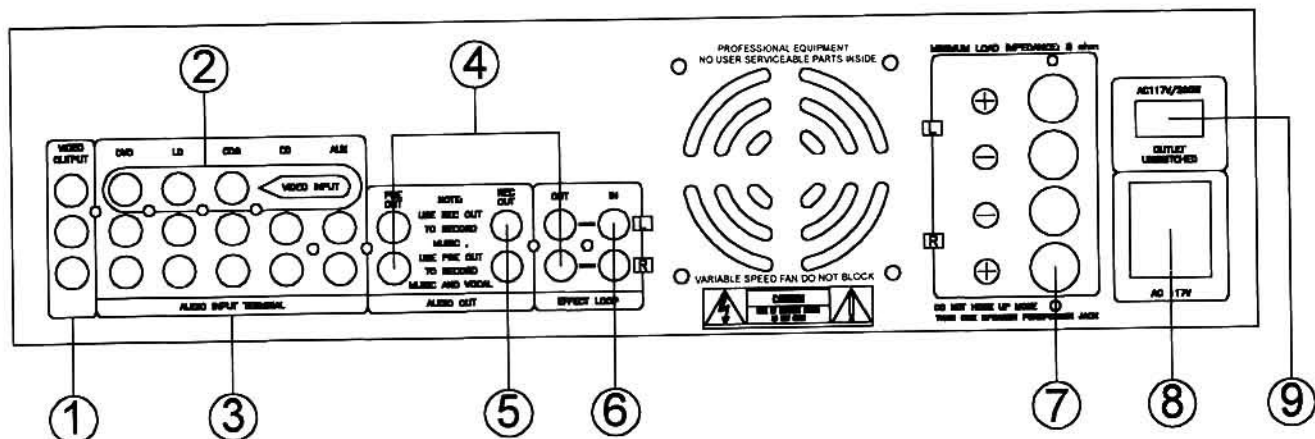
17.REMOTE SENSOR

18.LEFT CHANNEL LEVEL INDICATOR

19.RIGHT CHANNEL LEVEL INDICATOR

20.POWER INDICATOR LIGHT

REAR PANEL



1. VIDEO OUT :

CONNECT TO THE VIDEO INPUT JACKS OF A TV MONITOR.

2. VIDEO IN JACKS :

CDG : CONNECT TO THE VIDEO OUTPUT JACKS OF A CDG PLAYER.

LD : CONNECT TO THE VIDEO OUTPUT JACKS OF A LASER DISC PLAYER.

DVD : CONNECT TO THE VIDEO OUTPUT JACKS OF DVD PLAYER..

3. AUDIO INPUT JACKS:

CONNECT TO THE AUDIO OUTPUT JACKS FROM THE MUSIC SOURCE.

4. PRE OUT:

a: THIS JACK IN USED TO CONNECT AN ADDIFIONAL AMPLIFIER WITH THE UNIT THIS WILL ALLOW YOU TO HOOK UP ADDIFIONAL SPEAKERS TO GET MORE VOLUME

b: THIS JACK SHOULD ALWAYS BE CONNECTED TO THE MAIN (IN) JACK, (#6 ON THE DIAGRAM), TO ADD AN ADDITIONAL EQ OR PROCESSOR CONNECT THE EFFECT OUT FROM THE DA-4080FX TO THE INPUT OF THE PROCESSOR, THE OUTPUT FROM THE UNIT CONNECT TO THE PRE-AMP IN ON THE DA-4080FX.

5. REC.OUT:

CONNECT FROM THESE JACKS TO THE INPUT JACKS OF THE RECORDING DEVICE

6. MAIN . IN JACKS

CONNECT TO THE AUDIO OUTPUT JACKS OF THE MUSIC SOURCE.

7.SPEAKERS TERMINALS A - B

THE SPEAKERS CONNECTED TO THE DA-4080FX SHOULD HAVE A MINIMUM IMPEDANCE OF 8 OHMSTERMINAL "SPEAKERS CONNECTED TO THIS AMPLIFIER SHOULD HAVE AN IMPEDANCE OF AT LEAST 8 OHMS.

8.POWER CORD

CONNECT AC CORD TO WALL OUTLET.

9.AC OUTLETS (UNSWITCHED) :

POWER IS ALWAYS SUPPLIED TO THIS OUTLET, REGARDLESS OF THE AMPLIFIER BEING SWITCHED ON OR OFF, TOTAL ELECTRICAL POWER CONSUMPTION OF, CONNECTED EQUIPMENT SHOULD NOT EXCEED 200W.

TROUBLESHOOTING

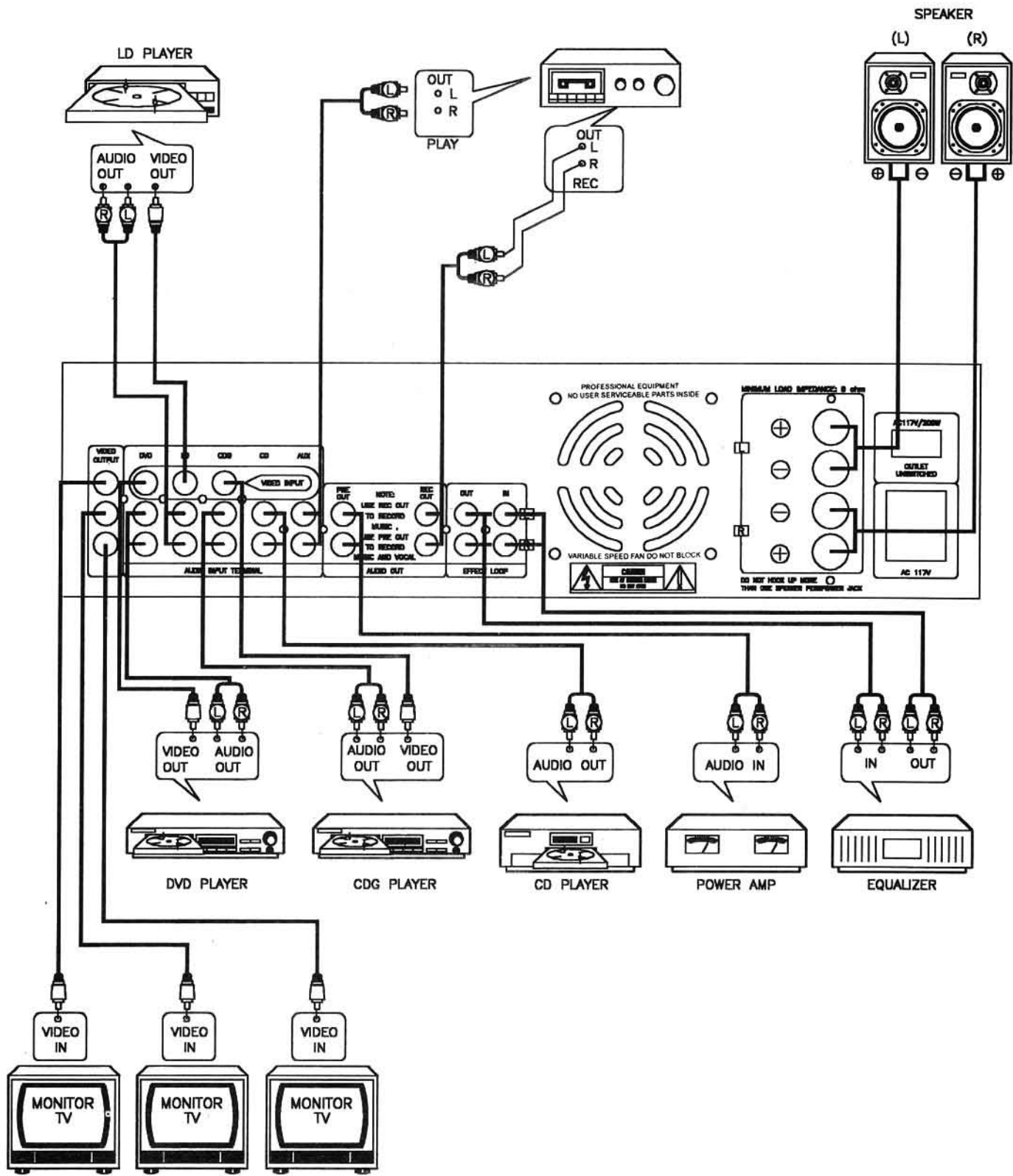
INCORRECT OPERATIONS ARE OFTEN MISTAKEN FOR TROUBLE AND MALFUNCTIONS.

IF YOU THINK THAT THERE IS SOMETHING WRONG WITH THIS COMPONENT, CHECK THE POINTS BELOW. SOMETIMES THE TROUBLE MAY LIE IN ANOTHER COMPONENT. INVESTIGATE THE OTHER COMPONENTS AND ELECTRICAL APPLIANCES BEING USED. IF THE TROUBLE CANNOT BE RECTIFIED EVEN AFTER EXERCISING THE CHECKS LISTED BELOW, ASK YOUR AUTHORIZED SERVICE CENTER OR YOUR DEALER TO CARRY OUT REPAIR WORK.

SYMPTOM	CAUSE	REMEDY
NO SOUND FROM BOTH OR EITHER SPEAKER.	<ul style="list-style-type: none">*POWER CORD IS UNPLUGGED.*BALANCE CONTROL IS SET TO MAX. RIGHT OR LEFT POSITION.*EITHER PLUG OF THE SPEAKER CORD IS DISCONNECTED.*NO INPUT IS COMMING FROM INPUT SELECTOR.	<ul style="list-style-type: none">*CONNECT THE POWER CORD.*SET THE CONTROL TO CENTER POSITION.*CONNECT THE PLUG SECURELY.*SET TO THE CORRECT INPUT AND MAKE SURE THE DESIRE INPUT EQUIPMENT IS BEEN PLAYED.
MICROPHONE MIXING NOT OPERATING.	<ul style="list-style-type: none">*MICROPHONE IS NOT PLUGGED IN.*MIC VOLUME CONTROL IS SET TO MINIMUM.	<ul style="list-style-type: none">*PLUG THE MICROPHONE IN COMPLETELY TO THE TERMINAL.*ADJUST WITH THE MIC VOLUME CONTROL.
REMOTE CONTROL UNIT DOES NOT WORK.	<ul style="list-style-type: none">*NO BATTERY IS LOADED IN THE REMOTE CONTROL UNIT OR REMAINING SERVICE LIFE IS LOW.*A FLUORESCENT LAMP IS NEAR THE REMOTE CONTROL SENSOR.*THE DISTANCE TO THE AMPLIFIER IS TOO FAR, OR THE REMOTE CONTROL UNIT IS POINTED AT AN IMPROPER ANGLE.*AN OBSTACLE EXISTS BETWEEN THE REMOTE CONTROL UNIT AND THE AMPLIFIER.	<ul style="list-style-type: none">*INSERT NEW BATTERIES.*PLACE THE FLUORESCENT LAMP AWAY FROM THE AMPLIFIER.*USE THE REMOTE CONTROL UNIT WITHIN A RANGE OF APPROXIMATELY 23 FEET (7 M) AND AT AN ANGLE OF APPROXIMATELY 30 DEGREES OR LESS.*USE THE REMOTE CONTROL UNIT FROM A DIFFERENT ANGLE. OR REMOVE THE OBSTACLE.
POWER TURN OFF DURING PERFORMANCE	<ul style="list-style-type: none">*OVERLOAD PROTECTION CIRCUIT ACTIVATED DUE TO MICROPHONE FEED BACK.*SPEAKERS IMPEDANCE IS BELOW 8 OHM.	<ul style="list-style-type: none">*TURN POWER SWITCH OFF AND ON AGAIN.*CHECK SPEAKERS IMPEDANCE.

SPECIFICATIONS

MAXIMUM POWER OUTPUT.....	30HZ ~ 20KHZ	T.H.D. 3%	8Ω....	135W+135W
TOTAL HARMONIC DISTORTION (AUX IN 1KHZ, 28W, 8Ω)	0.1%			
INPUT TERMINAL (SENSITIVITY IMPEDANCE)				
AUDIO				
MICROPHONE.....	2.5MV / 10K Ω			
DVD / LD / CDG / CD.....	50MV / 50K Ω			
VIDEO				
LD / DVD / CDG.....	1V P-P / 75Ω			
FREQUENCY RESPONSE				
LD / DVD / CDG.....	20HZ - 20KHZ ± 3db			
MUSIC TONE CONTROL				
BASS.....	±11db	(100HZ)	±3db	
TREBLE.....	±11db	(10KHZ)	±3db	
MIC TONE CONTROL				
BASS.....	±12db	(100HZ)	±3db	
TREBLE.....	±12db	(10KHZ)	±3db	
LOUDNESS CONTROL				
100HZ.....	+8db / ±2db			
10KHZ.....	+8db / ±2db			
ECHO DELAY TIME.....	100 MSEC - 200 MSEC			
KEY CONTROL RANGE.....	+6 / -6 MUSIC INTERVALS (13 POSITIONS)			
SIGNAL TO NOISE RATIO.....	>50db			
POWER SUPPLY, OTHERS				
POWER REQUIREMENTS.....	AC 117V, 60HZ			
POWER CONSUMPTIONS.....	320 WATT			
AC OUTLETS				
UNSWITCHED.....	1 (TOTAL 250W)			
DIMENSIONS (W x D x H) : 430 x 328 x 110 (m/m)				
ACCESSORIES				
AUDIO CORDS.....	2			
OPERATING INSTRUCTIONS.....	1			
REMOTE CONTROL UNIT.....	1			
BATTERIES.....	2			



IMPORTANT SAFEGUARDS

Please read all of the safety and operating instructions before operating this unit. For best result, follow all warnings placed on the unit and adhere to the operating and use instructions. THESE safety and operating instructions should be retained for future reference.

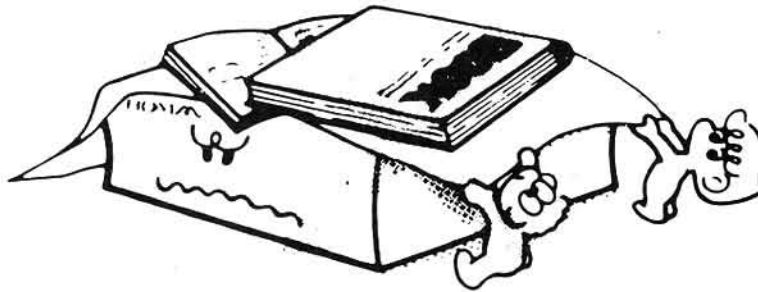
1. **Power source** — The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
2. **Power-cord protection** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

Never pull or stretch the cord

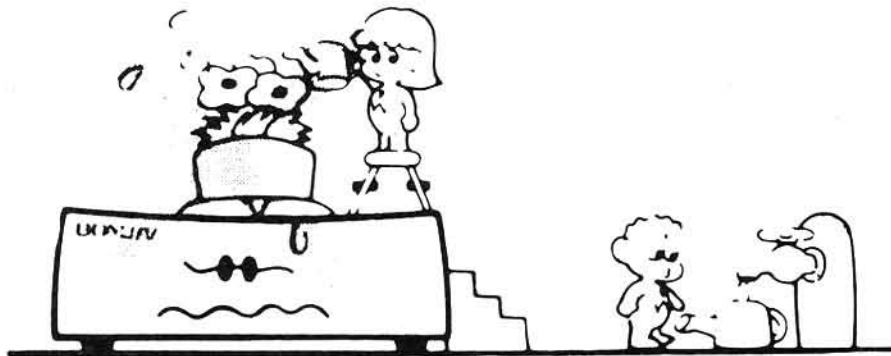


3. **Ventilation** — The unit should be situated so that its location or position does not interfere with its proper ventilation.

To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.

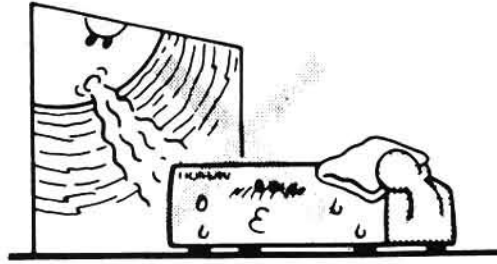


4. **Water and moisture** — The unit should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

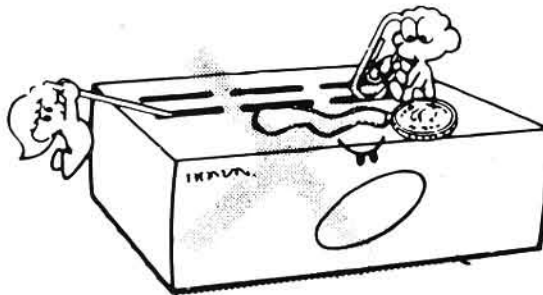


5. **Temperature** — The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above $+5^{\circ}\text{C}$ (41°F).

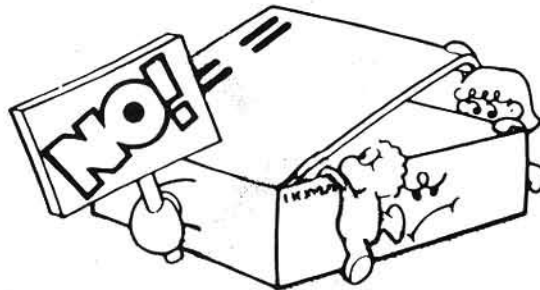
6.Heat — The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units(including amplifiers) that produce heat.



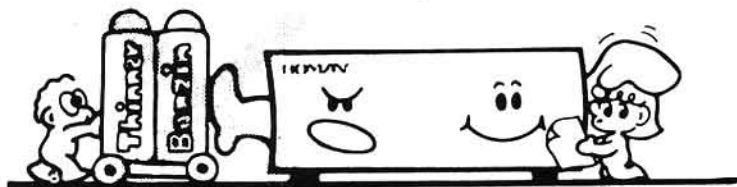
7.Electric shock — If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



8.Enclosure removal — Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



9.Cleaning — Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.



10.Abnormal smell — If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service station.

POWER OFF!





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