

Better Music Builder® is a leader in the Audio and Karaoke equipment industry. We are committed to offering you high quality audio products. Unlike any others brand, we deliver the best cost and value to you directly. For the latest update information including operation manuals, installation instructions, hook-up diagram and other new technologies updates etc. please visit us at our website www.BetterMusicBuilder.com.

OWNER'S MANUAL

PROFESSIONAL MIXING AMPLIFIER

DX-388 D



Thank you for purchasing this unit. To make full and effective use of this unit, please read this Owner's Manual carefully before operating it. Please retain this manual for future reference.

www.BetterMusicBuilder.com

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INTRODUCTION

Our DX-388 Series Mixing Amplifiers continue to impress the public with newer and technologically advanced equipment. With new 388 Series every year, our goal is to enhance the user's experience; we focus on audio quality, system features, compatibility and compact size. Better Music Builder (M) is bringing a newer, better model into the series to join our DX-388 Series in the product lineup. We are thrilled to introduce the newest 2015 model, the DX-388 D Mixing Amplifier which is DX-388 generation four.

Different from its former models is the greater number of audio outputs the new DX-388 D has. The DX-388 D Mixing Amplifier features 5-D technology like our DX-388 Beta. The technology enables the set up of two main speakers, two rear speakers, and a center/subwoofer speaker to bring the live experience to your home. The center speaker and subwoofer come with their own individualized volume control, bringing a new field of dynamic for karaoke singing.

Every new model in our product line contains up to date equipment, starting from newer and sturdier RCA inputs, to clear audio processing CPU mixers. The new DX-388 D Mixing Amplifier uses the latest and the most innovative technology to produce the highest quality sound, the most precise clarity and the strongest reliability.

Get ready to experience the best live karaoke performance you've ever had, the DX-388 D!

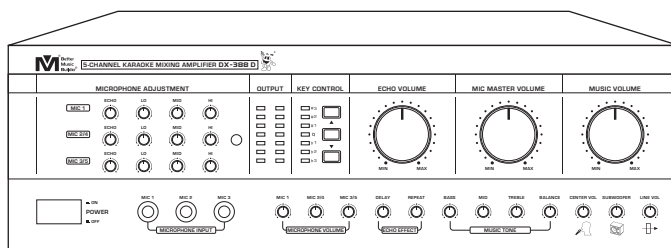


SYSTEM FEATURES

5-CHANNEL KARAOKE MIXING AMPLIFIER

- 5-Channel Mixing Amplifier
- Microphone Equalizer
- Microphone Exciter
- Music Tone controls Bass, Midrange, Treble, and Balance: music channel provides +/-12dB adjustment for middle and bass, and +/-10dB adjustment for treble.
- Microphone Echo Effect controls Delay and Repeat
- 7-Steps key control
- Individualized volume control for center speaker and subwoofer
- Available to adjust frequency 80Hz~250Hz of SUB channel.
- PC remote control capability
- Smart Audio Input Select (SAIS): priority selection of audio inputs.
- BGM sensitivity of checking signal.
- Inputs: 5 microphone inputs (3 front and 2 rear) and 3 audio inputs
- Outputs: 3 audio outputs
- Dedicated wireless microphone connection input in 3 groups. The volume of each group can be adjusted separately, with each group providing +8dB/-12dB adjustment for treble, middle, and bass.
- LED indicator for signal output.
- Smart fan

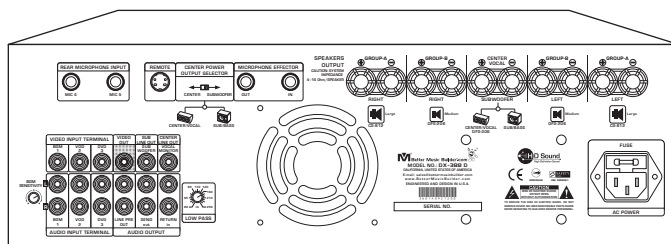
5-D PRO Audio **DX-388 D** Front View



THIS AMPLIFIER INCLUDES THE FOLLOW:

- Mixing Amplifier: 1 pc
- Remote Control: 1 pc
- Instructional Manual: 1 pc
- Warranty & Registration Card: 1 pc

5-D PRO Audio **DX-388 D** Rear View





SAFETY INSTRUCTIONS

Please visit our website at BetterMusicBuilder.com for the most updated information, corrections on errors and changes in this manual. You may also contact us at toll free at 1-800-318-2218.



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 PERSONNEL

1. Read Instructions: All the safety and operation instructions should be read before this product is operated.
2. Retain Instructions: The safety and operating instructions should be kept for future reference.
3. Warnings: All warnings on this product in these operating instructions should be followed.
4. Follow Instructions: All operating and other instructions should be followed carefully.
5. Water and Moisture: This product should not be used near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, swamp or salivating St. Bernard dog, etc.
6. Cleaning: Clean only with a dry cloth.
7. Ventilation: This product should be situated so that its location or position does not interfere with its proper ventilation. For example, the Component should not be placed on a bed, sofa, rug, or similar surface that may block any ventilation openings, or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through ventilation openings.
8. Heat: This product should be stayed away from heat sources such as radiators, or other devices producing heat.
9. Power Sources: This product should be connected to a power supply only of the type described in these operation instructions or as marked on this product.
10. Power Cord Protection: Power supply cords should be routed so that they are not likely to be walked upon or pinched by items placed upon or against them. Please pay particular attention to cords plugs, convenience receptacles, and the point where they exit this product.
11. Object and Liquid Entry: Care should be taken so that objects do not fall on, or liquids are not spilled into this product.
12. Damage Requiring Service: This product should be serviced only by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has spilled into this product; or
- C. This product has been exposed to rain; or
- D. This product does not appear to operate normally or exhibits a marked change in performance; or
- E. This product has been dropped, or its chassis has been damaged.

13. Servicing: The user should not attempt to service this product beyond those means described in this operating manual. All other servicing should be referred to the Service Department.

14. 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.

15. Grounding or Polarization: Precautions should be taken so that the grounding or polarization means of this product is not defeated.

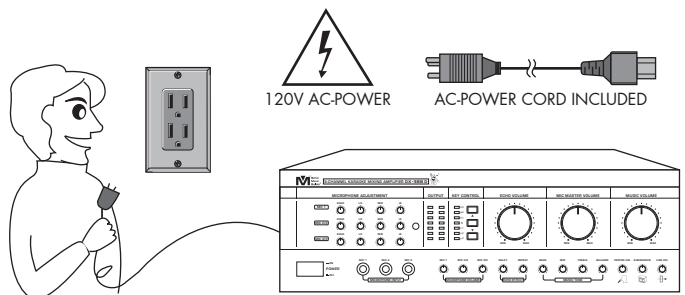
16. Power Precaution: Unplug this product during lightning storms or when unused for long periods of time. Note that this product is not completely disconnected from the AC power source when the power switch is in the OFF position.

17. This machine does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the US Department of Communications.

AC-POWER SOURCES

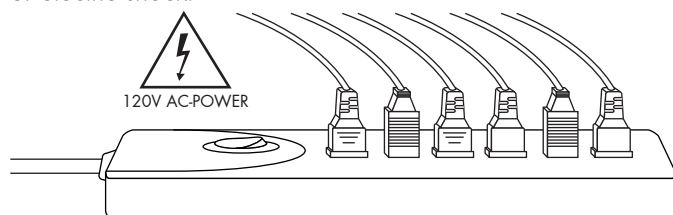
This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, or other sources, refer to the operating instructions.

This unit is designed for use with 120V/60Hz AC. If the area where you live have different power source, you may need to use a transformer to convert to 120 Volts AC.



OVERLOADING

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

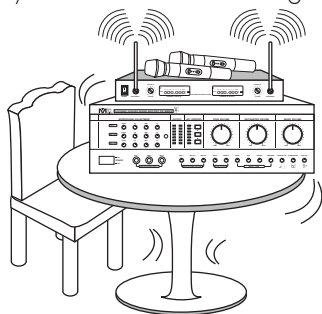


An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.

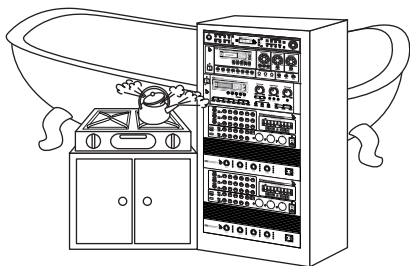
Do not place the electronic equipment onto the unstable table or stand.

It is because it would fall easily from the unstable table or stand, so it may cause accident including personal injuries and damage the equipment.

Please follow our instructions to install the equipment, or you may hire a professional technician to handle the installation for safety purpose.

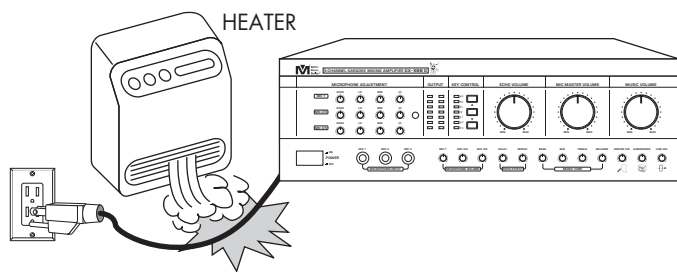


Do not store the electronic equipment near water or area with moisture such as bathroom, kitchen sink, laundry area and swimming pool, etc.



Do not place the electronic equipment near heat sources

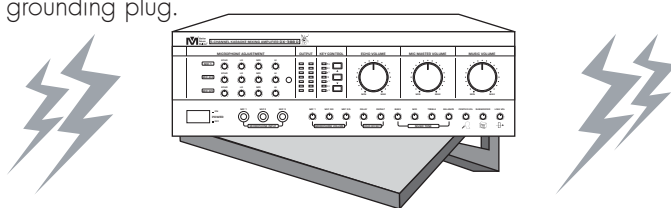
such as stoves, radiators and heaters, etc. Placing the electronic equipment too near to these heat sources would result in damaging the equipment and causing fire.



Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart stand tripod, bracket, or table recommended by the manufacturer.

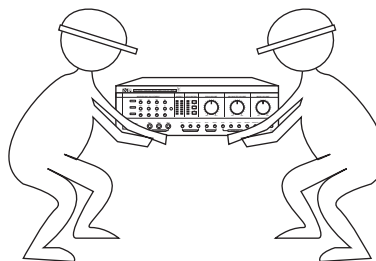
For the set with a three-wire grounding type ac plug:

This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



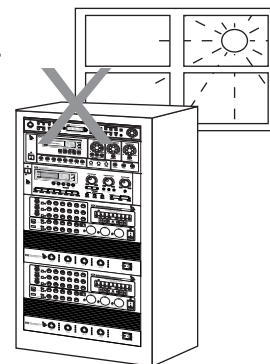
Do not transport the electronic equipment by yourself if its weight exceeds 70 pounds.

It is recommended that two people work together to transport the equipment or by using hand truck and the like.



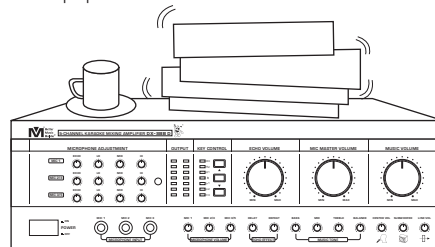
Do not place the electronic equipment directly under sunlight or close to the window.

It may cause overheat on the electronic equipment by the sunlight.



Do not block the openings and vents in the cabinet which is designed for the ventilation of the electronic equipment.

The blocking may cause overheat in the electronic equipment because of insufficient circulation of air, so it would damage the electronic equipment.



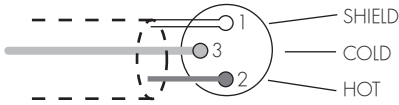


SPEAKER CONNECTION METHODS AND INFORMATION

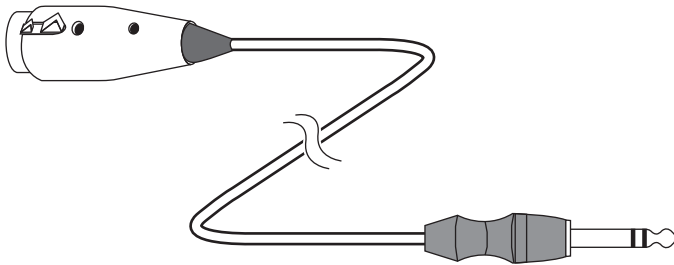
CONNECTOR INFORMATION

Balanced XLR Connectors

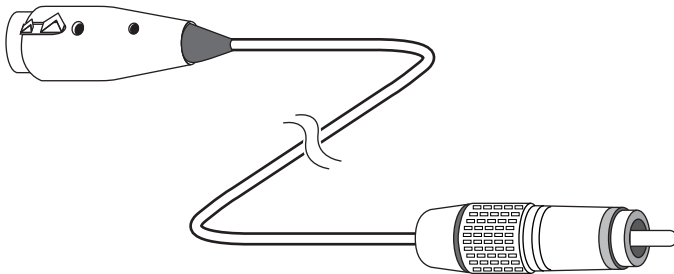
	XLR	TRS
Hot (+)	Pin 2	Tip
Cold (-)	Pin 3	Ring
Shield (Ground)	Pin 1	Shield



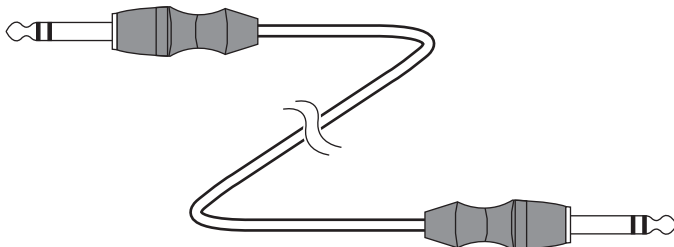
XLR to 1/4" Cable



XLR to RCA Cable

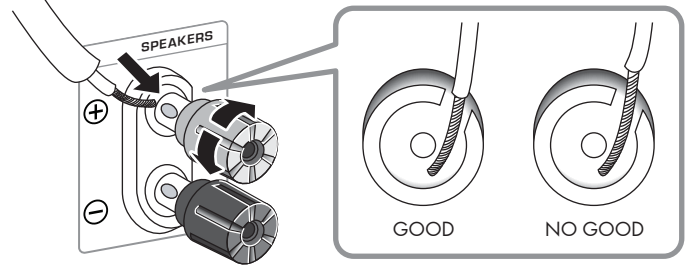


1/4" to 1/4" Cable

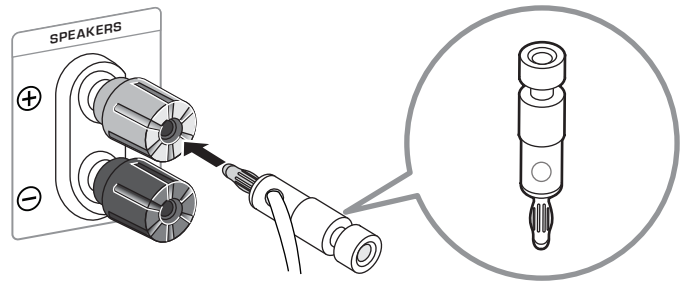


METHODS OF SPEAKER CONNECTION

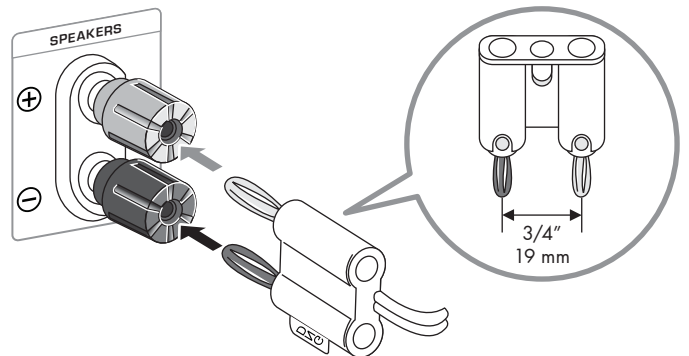
1. Insert Type (Poor Connection)



2. Single Banana Plug Type (Better Connection)



3. Double Banana Plug Type (Standard Connection)



Either banana plug or insert type can be used to connect the unit to speakers. Be sure to connect red (+) to red (+) and black (-) to black (-). Otherwise, the sound output would be 180° out of phase and distorted.

Follow these steps if you are inserting the wire directly into the speaker terminal.

1. Strip off the vinyl covering and twist the tip of the wire core.
2. Loosen the knob and insert the wire core into the terminal hole.
3. Tighten the knob to fix the wire core in place.

Do not allow the wire core to protrude or touch other terminals or wires.

If the cores of differing wires touch, damage may result to your components.

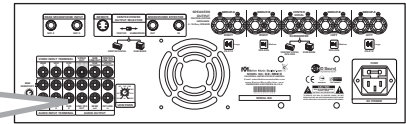
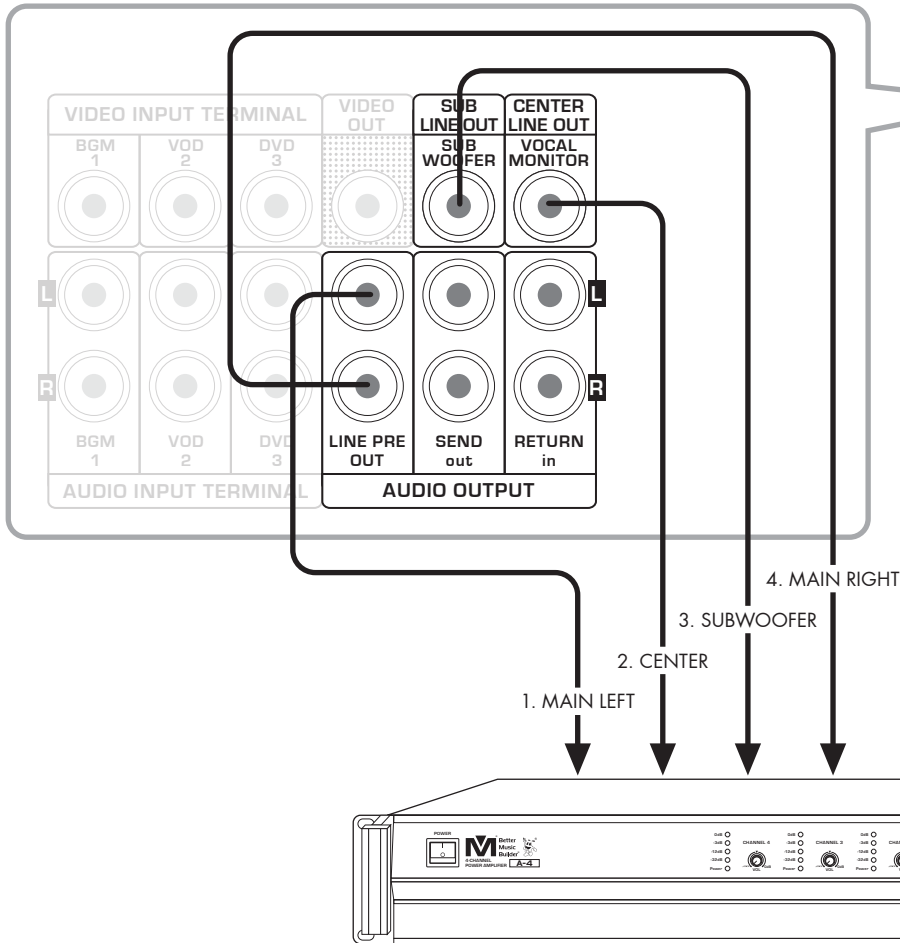


SYSTEM APPLICATIONS

LINE PRE-OUT EXTENSION FOR LARGE FORMAT SOUND SYSTEM

The DX-388 D Mixing Amplifier has many innovative features that others don't have. The unit comes fully packed with features such as crossover, microphone exciter, key control, and feedback destroyer. DX-388 D is an excellent professional amplifier with power output of 900 watts. It's perfect

for karaoke and DJ. Using the line pre-out output offered by the DX-388 D, you can extend its functions by connecting to other devices to get the full live sound effect. Connections are easy. For more details, please go to page 10.



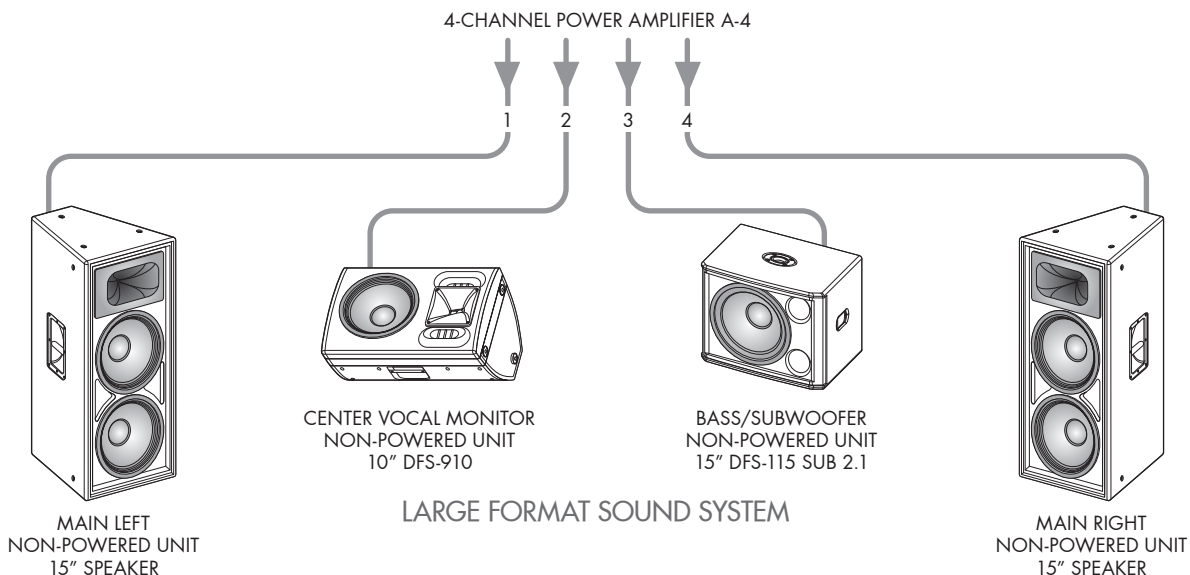
DX-388 D REAR VIEW

Why connect an additional 4-channel power amplifier?

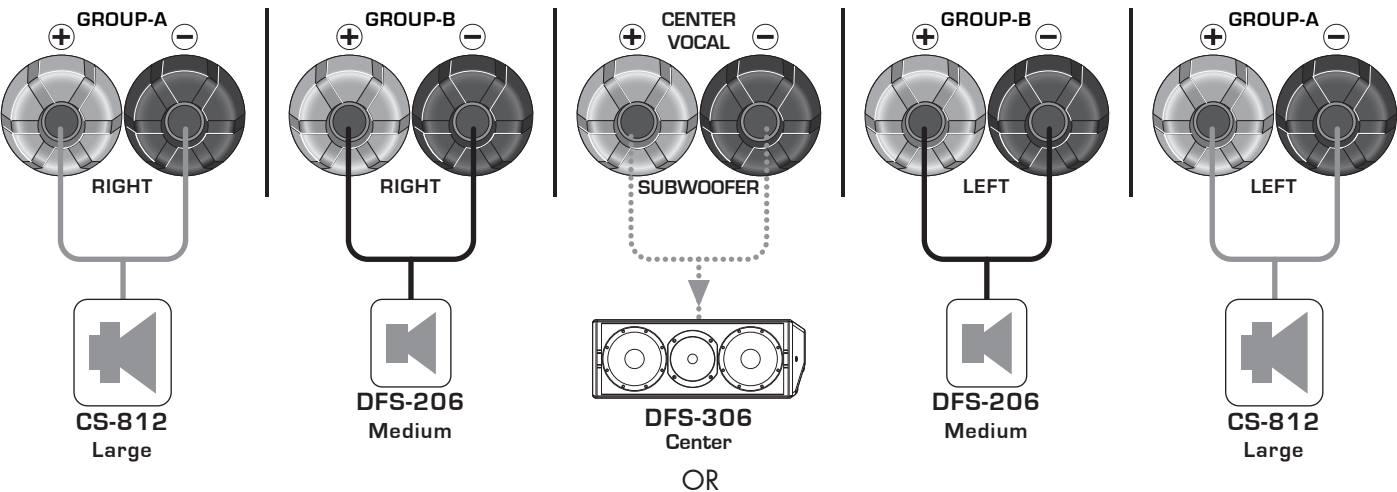
The DX-388 D's power can only reach a maximum of 800 square feet, if it's being used in a bigger area like a commercial space, you'll need to extend its power by connecting to a 4-channel power amplifier. 3-channel power amplifier is also available. Please review the diagram. We recommend contacting our authorized dealer for advice and recommendation on connections.

Connect to A-4 for more power

CHANNEL 1: MAIN LEFT SPEAKER
CHANNEL 2: CENTER VOCAL MONITOR
CHANNEL 3: BASS/SUBWOOFER
CHANNEL 4: MAIN RIGHT SPEAKER



CONNECTING THE SPEAKER WITH 5-D PRO AUDIO

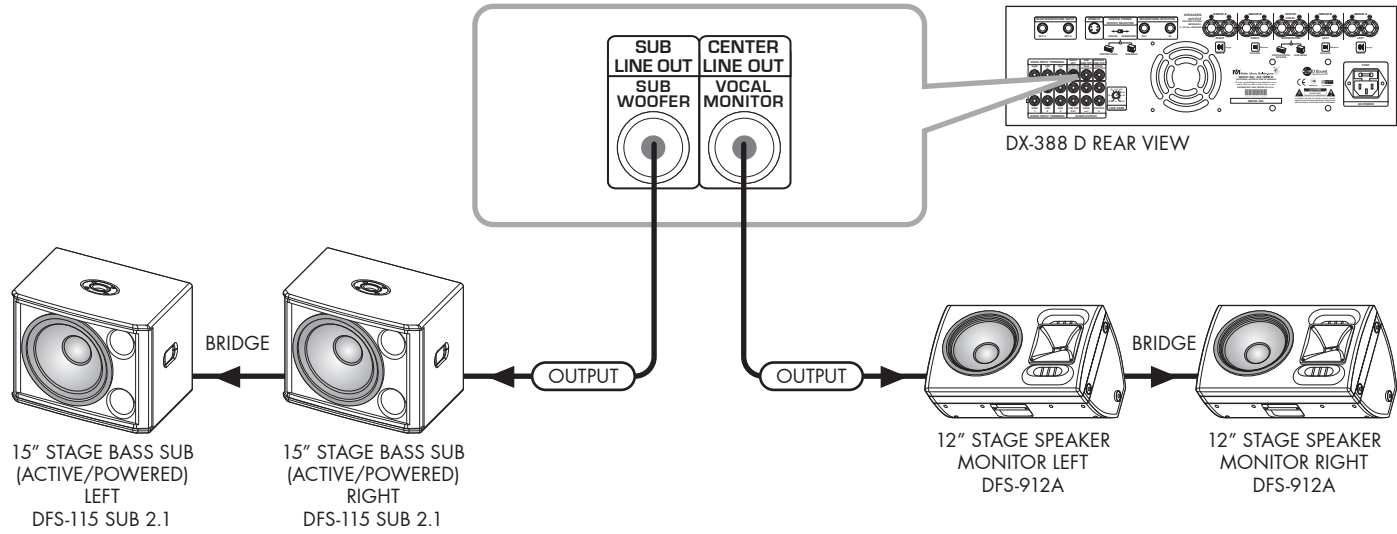


5-D is a five channel live sound for professional audio. It was created by Better Music Builder for you to experience live sound at your home. Group A (front right and left speakers) produce the music and/or vocal, Group B (rear right and left speakers) produce music and/or vocal, and the center speaker monitor the vocal. If the singing area is over 800 square feet, you would need a large format set up.

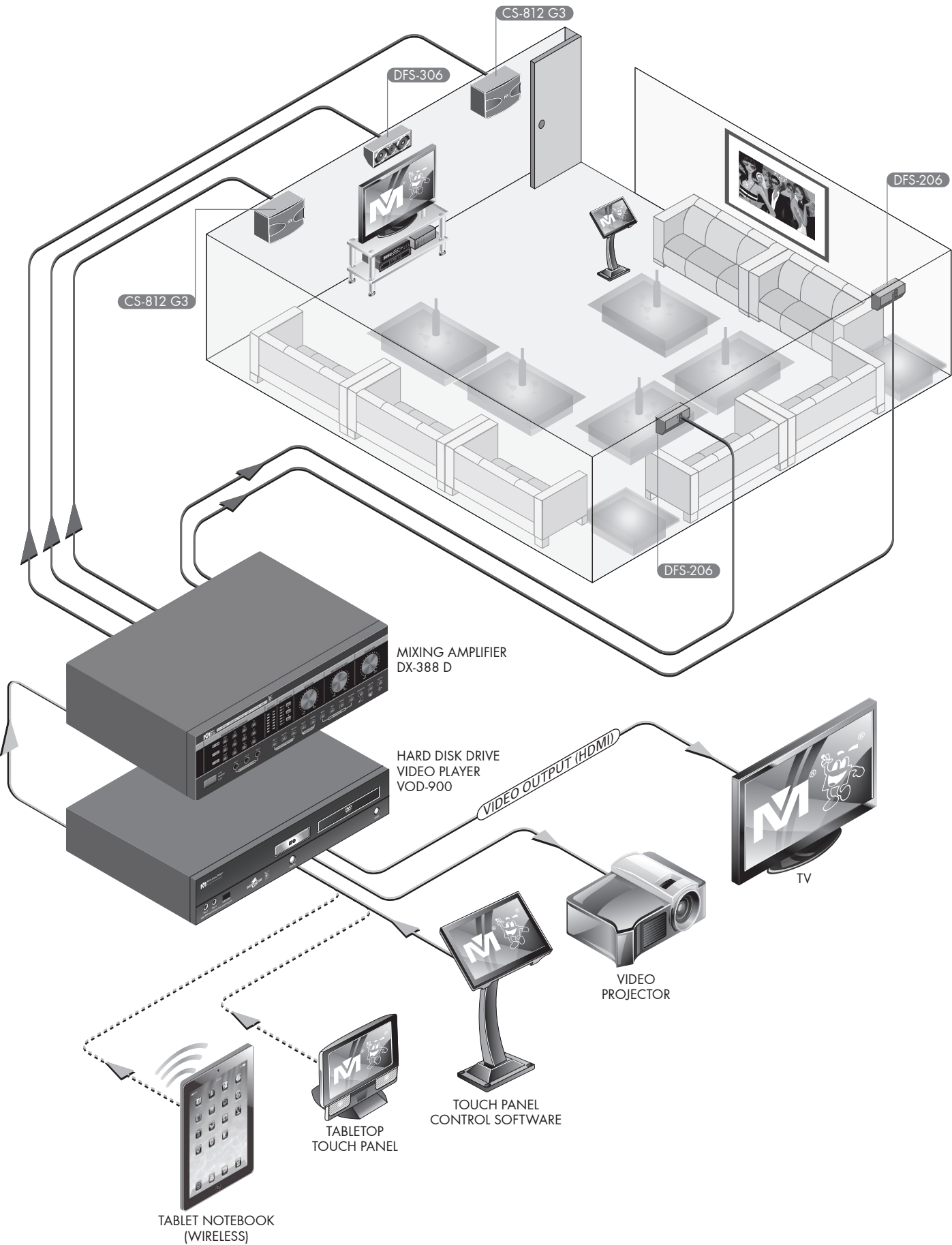
WHAT IS SUB LINE OUT AND CENTER LINE OUT?

When the sound from the center vocal/subwoofer output in the dual banana connection is not enough, use the SUB LINE OUT and the CENTER LINE OUT with RCA connection. The sound is limited in the 5-D (5 powered out) DX-388 D that's why the SUB LINE OUT and the CENTER LINE OUT are

necessary. CENTER LINE OUT connects to the power speaker to monitor vocal of the singer. SUB LINE OUT connects to active subwoofer to bring out the bass. Live concert sound is what we're trying to achieve.



5-CHANNEL MIXING AMPLIFIER FOR COMMERCIAL USE



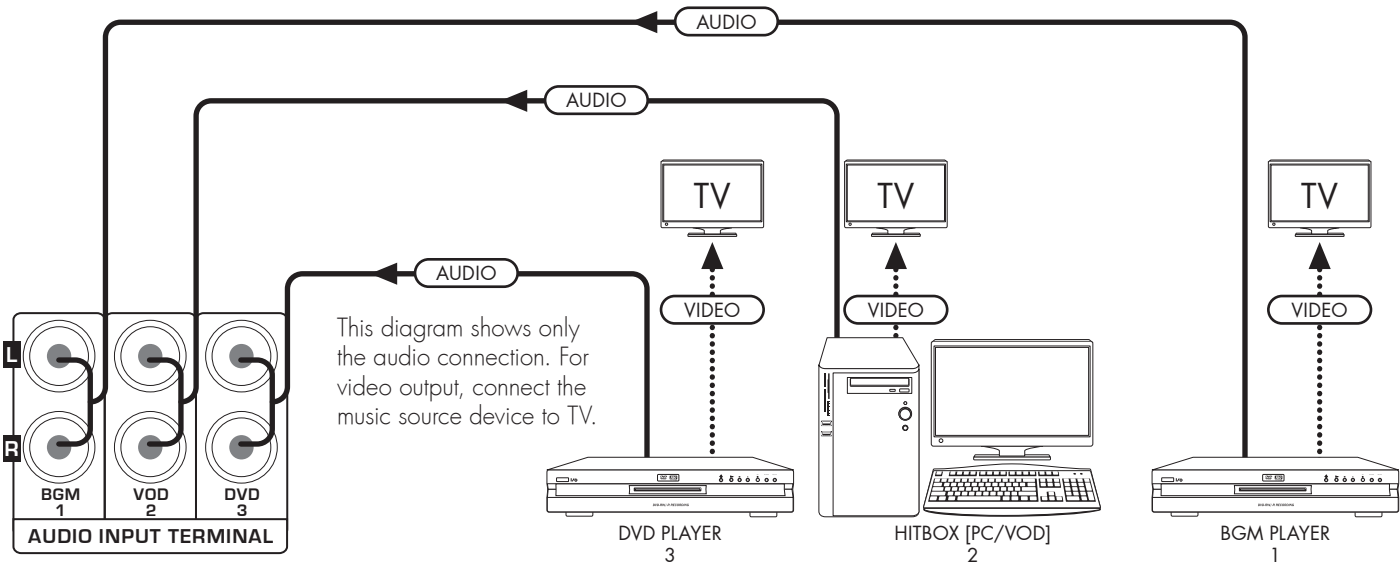
CONNECTING THE AUDIO INPUT SOURCE

Before connecting the source (i.e. BGM [1], VOD [2] & DVD [3]), turn off the power for all machine, so it would protect electric shock and prevent damage to the equipment. To connect the AV source, firstly connect the audio source to the mixer input, then connect the video source. Please refer to the below diagram. To ensure high quality sound and video, we recommend using high quality cables and connectors.

VOD stands for Video On Demand. It is a type of player with built-in hard drive capable of storing huge amount of songs and videos. VOD is an all inclusive software and

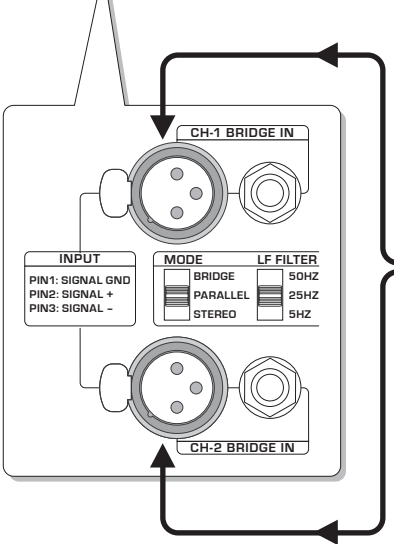
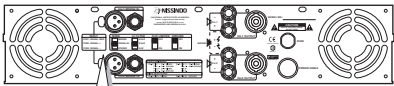
hardware management tools. It is controlled by a computer which contains all the song/video data. The VOD is capable of handling all the accounting management includes food/beverage, hourly room rentals, content and distribution of songs/video on an as needed basis. This is the main workhorse of the KTV commercial business.

NOTE When there’s a humming sound after you turned on the machine, you may have made a mistake by hooking up the audio input into the video input, or vice versa.



CONNECTING THE AUDIO LINE PRE-OUT

POWER AMP REAR VIEW

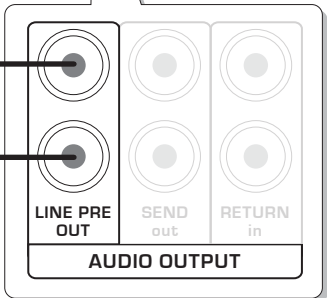
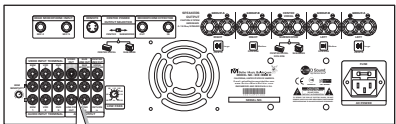


The Audio 1/4" unbalanced cable is a standard audio signal connection. The XLR balanced cable is a higher signal quality connection which we strongly recommend for best audio performance.

AUDIO (XLR) BALANCE OUTPUT
XLR (MALE) TO RCA CABLE

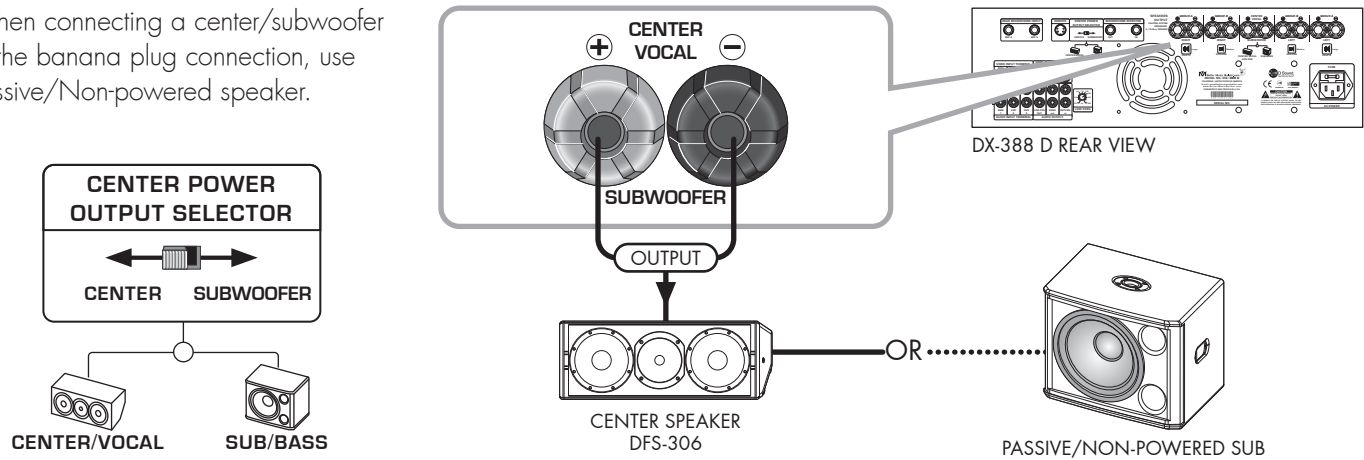


DX-388 D REAR VIEW



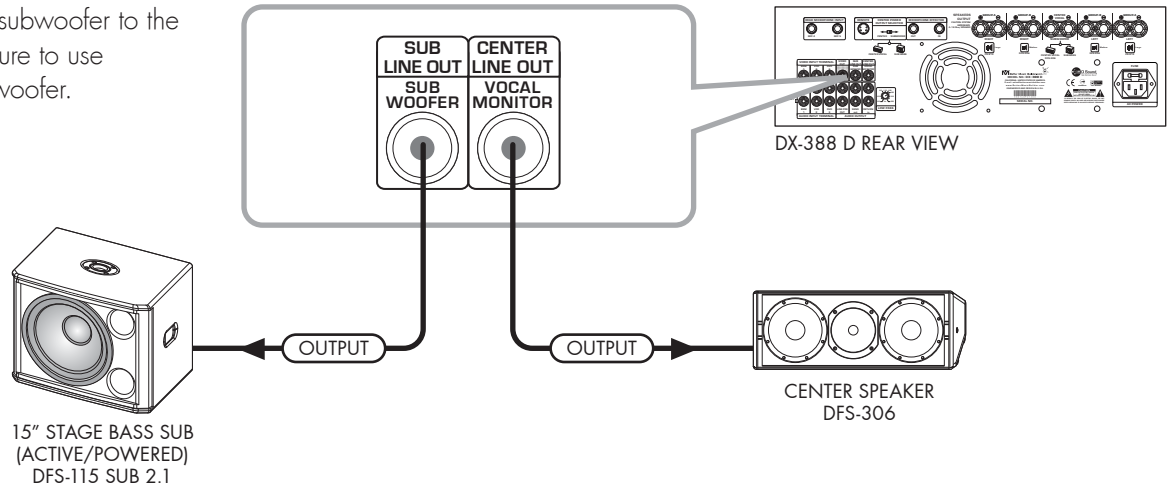
CONNECTING THE SUBWOOFER & CENTER SPEAKER

When connecting a center/subwoofer to the banana plug connection, use Passive/Non-powered speaker.

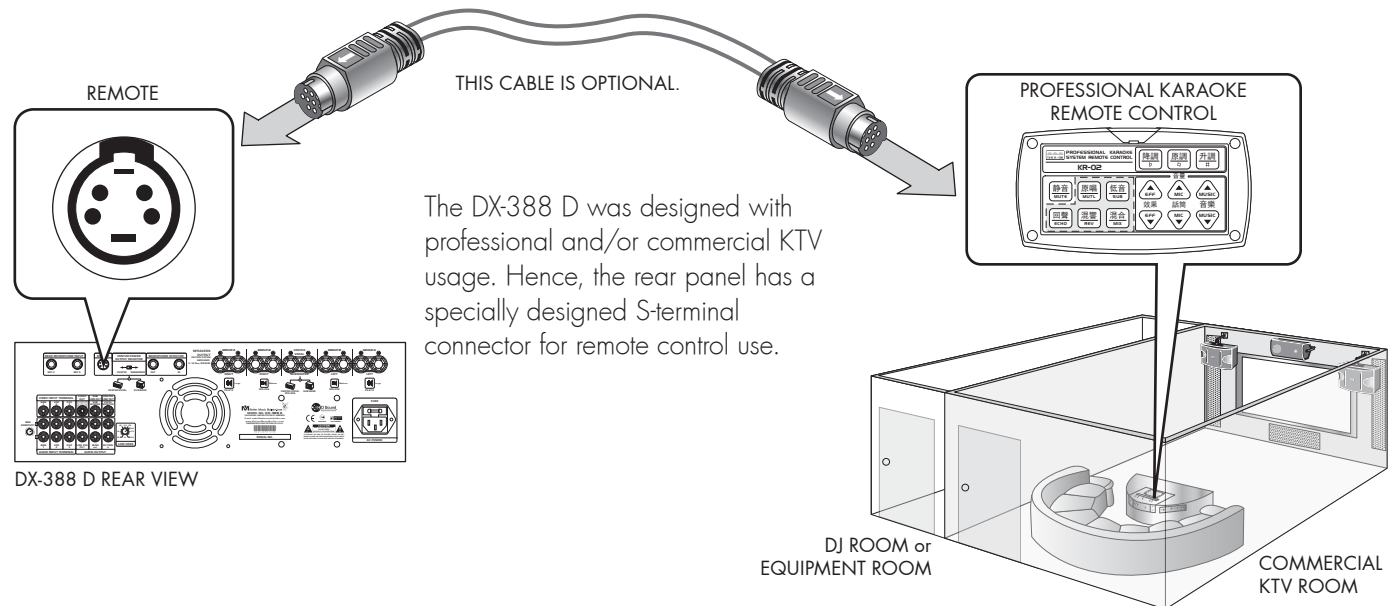


SUB Line Out And Center Line Out

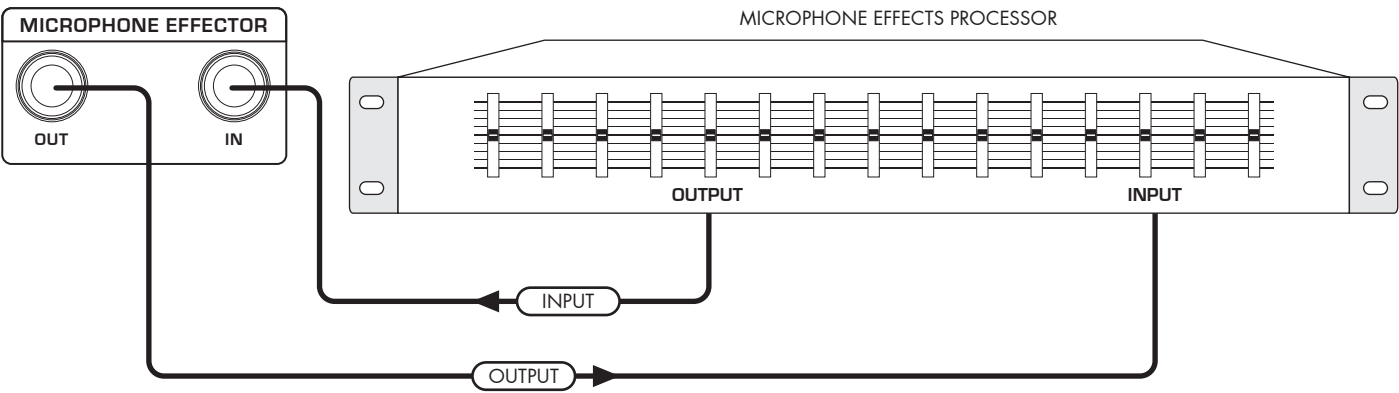
When connecting a subwoofer to the SUB LINE OUT, be sure to use Active/Powered subwoofer.



PROFESSIONAL/COMMERCIAL KTV USE



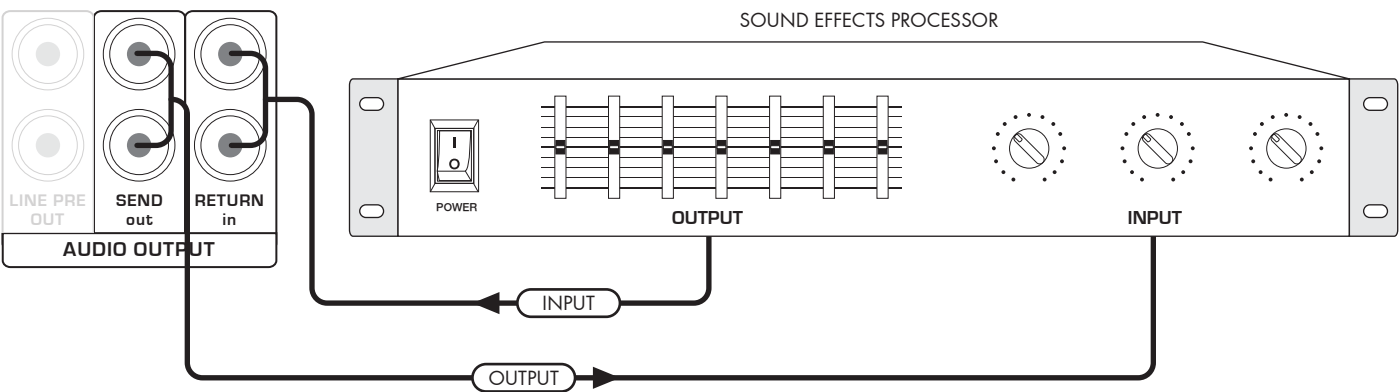
CONNECTING THE MICROPHONE EFFECTS PROCESSOR



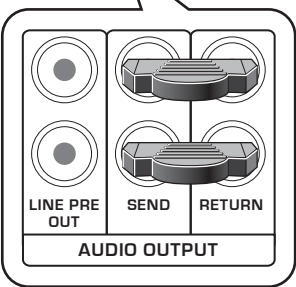
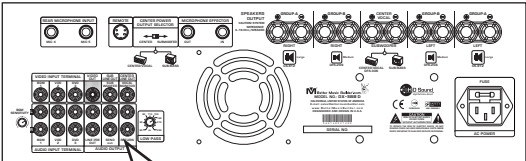
What is the Microphone Effects Processor?

It allows you to mix in different sound effects when the processor is connected to the amplifier. This is one of many features that are exclusive to the DX-388 D Mixing Amplifier.

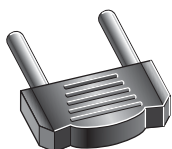
CONNECTING THE SOUND EFFECTS PROCESSOR



DX-388 D REAR VIEW



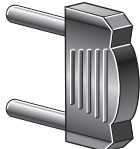
✓ Right Position



JUMPER (HORIZONTAL)

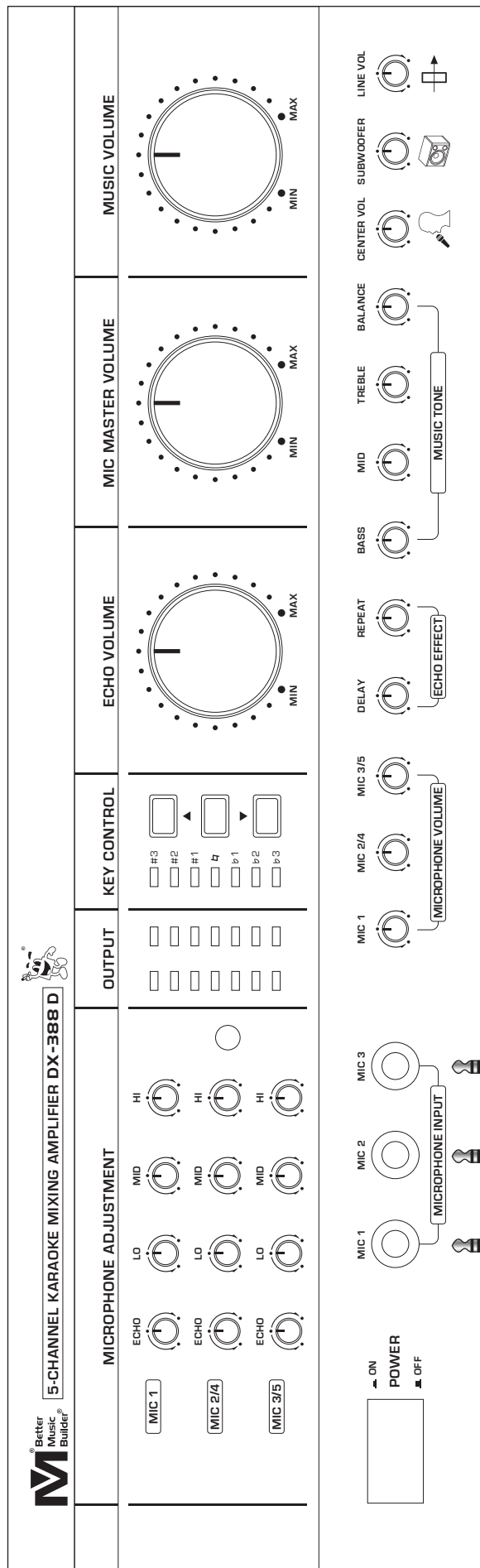
Don't take off the "jumpers" when not using the jacks. Audio will be disabled when "jumpers" are wrongly positioned or unplugged.

✗ Wrong Position



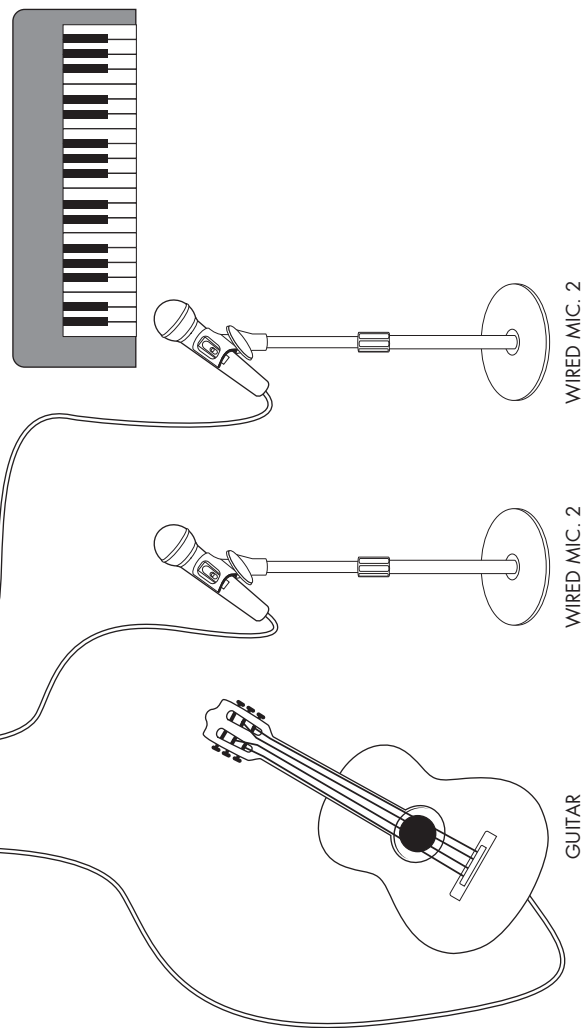
JUMPER (VERTICAL)

CONNECTING THE MICROPHONE INPUT



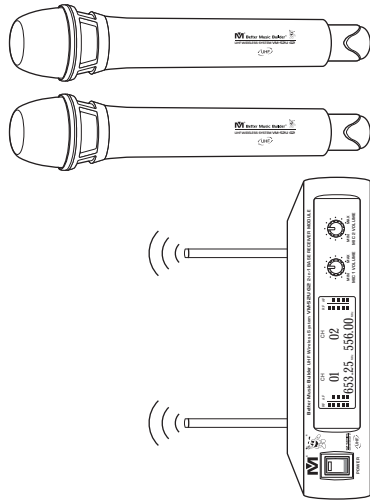
NOTE

Adjust MIC Master Volume to 0 dB before inserting 1/4" microphone plugs into the MIC inputs to avoid unpleasant noise and protect your equipment from damage.

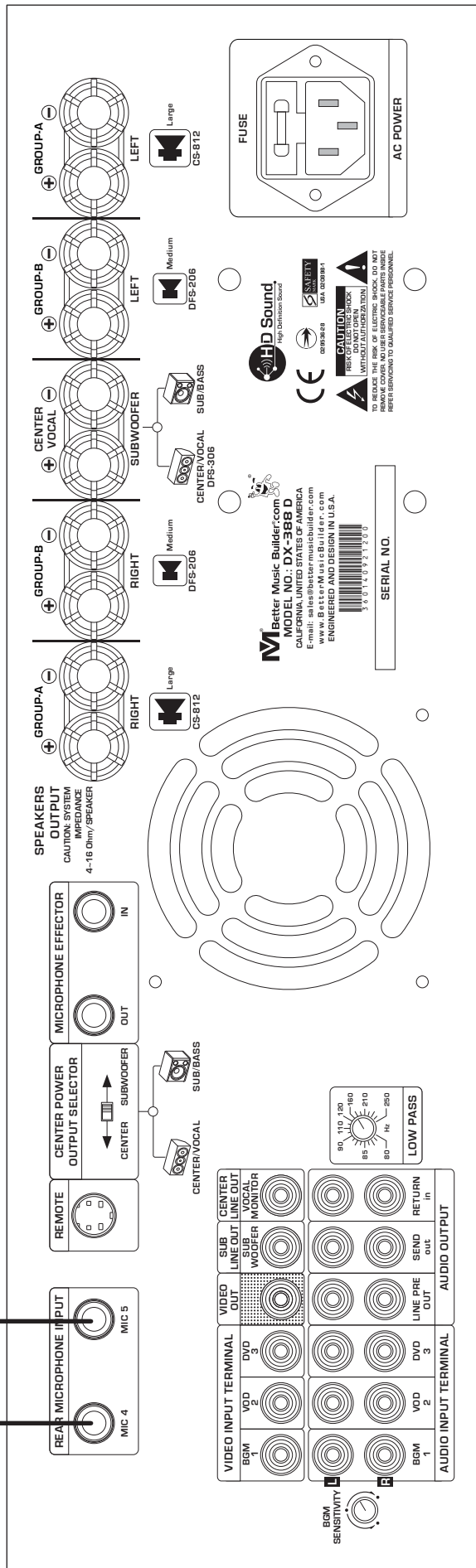


CONNECTING THE MICROPHONE INPUT

This jack is for connecting microphones to input 2 and rear MIC. Input 4. They are at the same terminal. Rear input is designed for wireless microphone.



This jack is for connecting microphones to input 3 and rear MIC. Input 5. They are at the same terminal. Rear input is designed for wireless microphone.

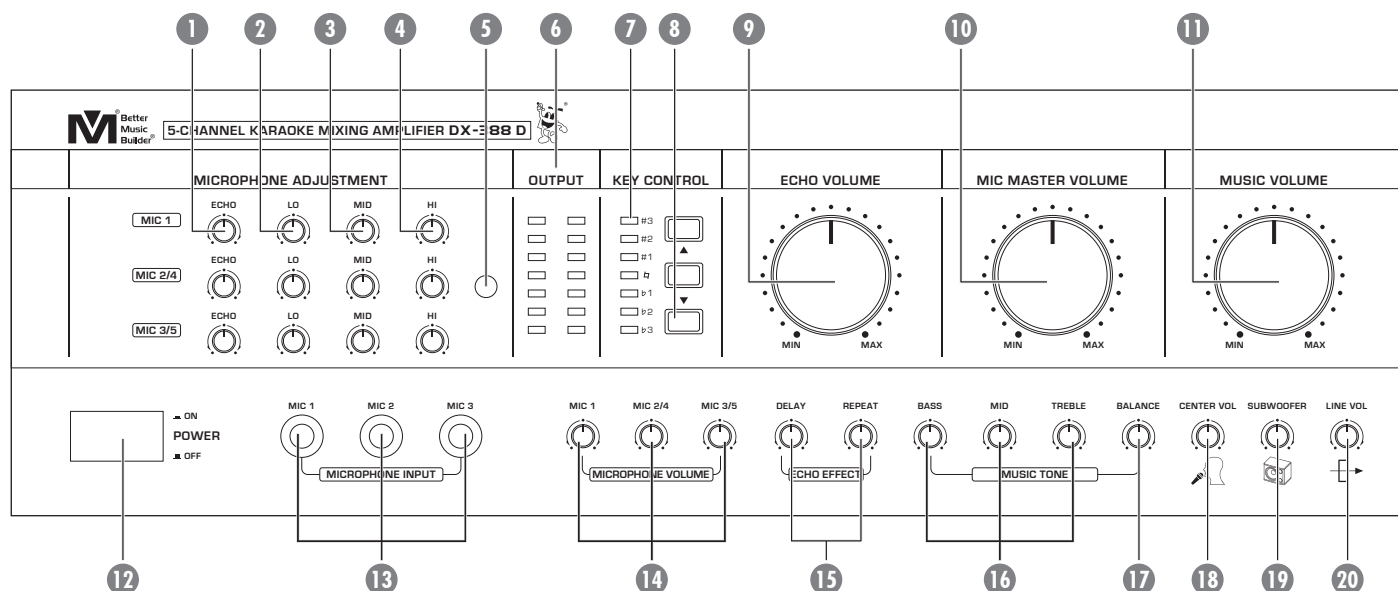




CONTROLS AND FUNCTIONS

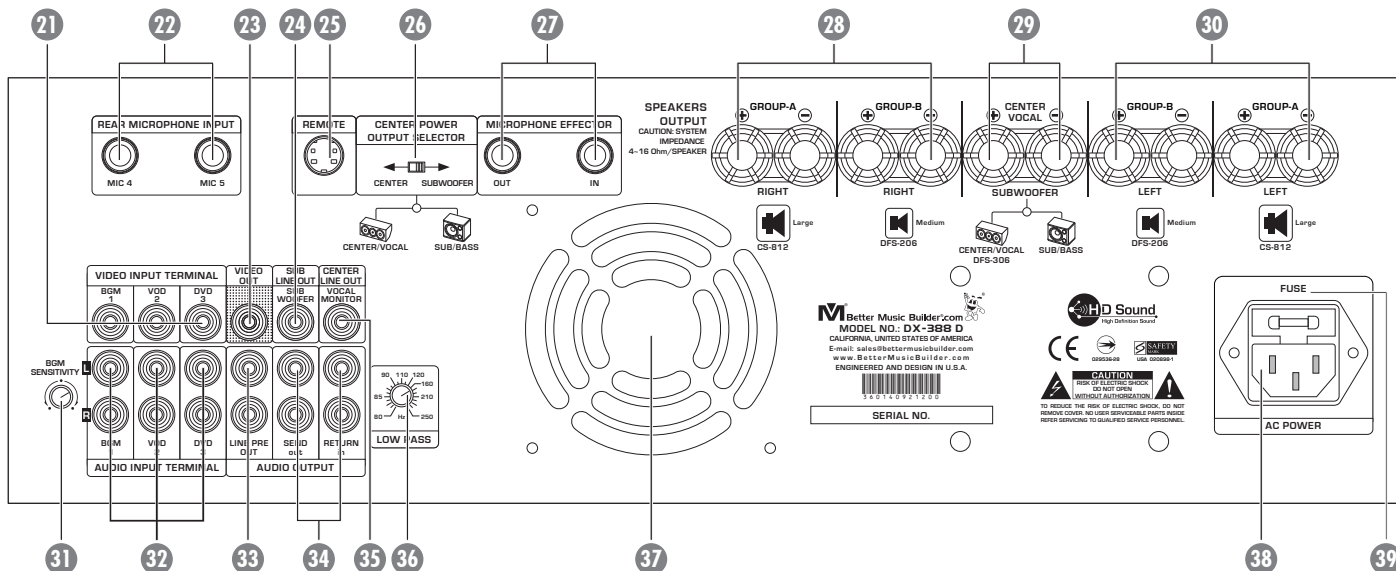
FRONT PANEL:

- 1 MICROPHONE ECHO VOLUME CONTROL**
Adjusts the microphone echo effect EQ response.
- 2 MICROPHONE LOW (LO) CONTROL**
Adjusts the microphone low frequency EQ response.
- 3 MICROPHONE MIDDLE (MID) CONTROL**
Adjusts the microphone middle frequency EQ response.
- 4 MICROPHONE HIGH (HI) CONTROL**
Adjusts the microphone high frequency EQ response.
- 5 INFRARED SENSOR FOR REMOTE CONTROL**
- 6 SIGNAL OUTPUT LED INDICATOR**
- 7 MUSIC KEY CONTROL LED INDICATOR**
- 8 MUSIC KEY CONTROL**
- 9 ECHO VOLUME**
Controls echo effect.
- 10 MIC MASTER VOLUME**
Controls microphone volume.
- 11 MUSIC VOLUME**
Controls music volume.
- 12 POWER BUTTON ON/OFF**
- 13 MICROPHONE INPUTS (1/4 inch SLOT)**
- 14 MICROPHONE VOLUME**
Controls the amount of overdrive or "distortion." It increases the internal amplification of the microphone.
- 15 ECHO EFFECT**
These knobs control the microphone delay and repeat.
DELAY: Delay echo effects.
REPEAT: Number of echo repeat.
- 16 MUSIC TONE**
BASS: Controls low tones.
MID: Controls mid-range tones.
TREBLE: Controls high tones.
- 17 MUSIC BALANCE**
Adjusts the music signal for left and right speakers.
- 18 CENTER VOLUME**
Control volume of the center audio output. The Center Power Output Selector must be be switched to "CENTER" to work properly.
- 19 SUB VOLUME**
Control volume of the subwoofer audio output. The Center Power Output Selector must be switched to "SUBWOOFER" to work properly.
- 20 LINE OUT VOLUME**
Control volume of LINE PRE-OUT audio output. Good for large format sound system.

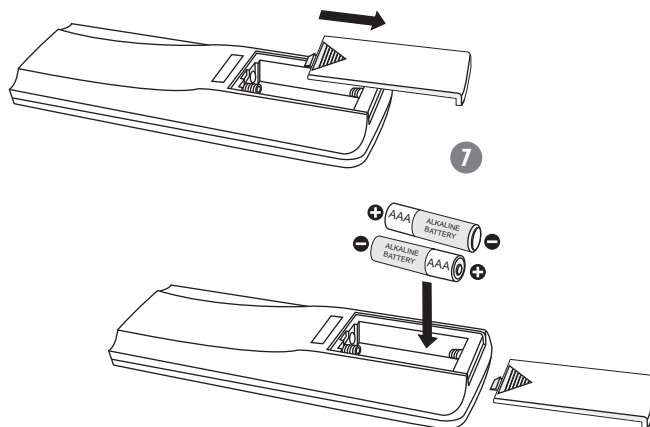
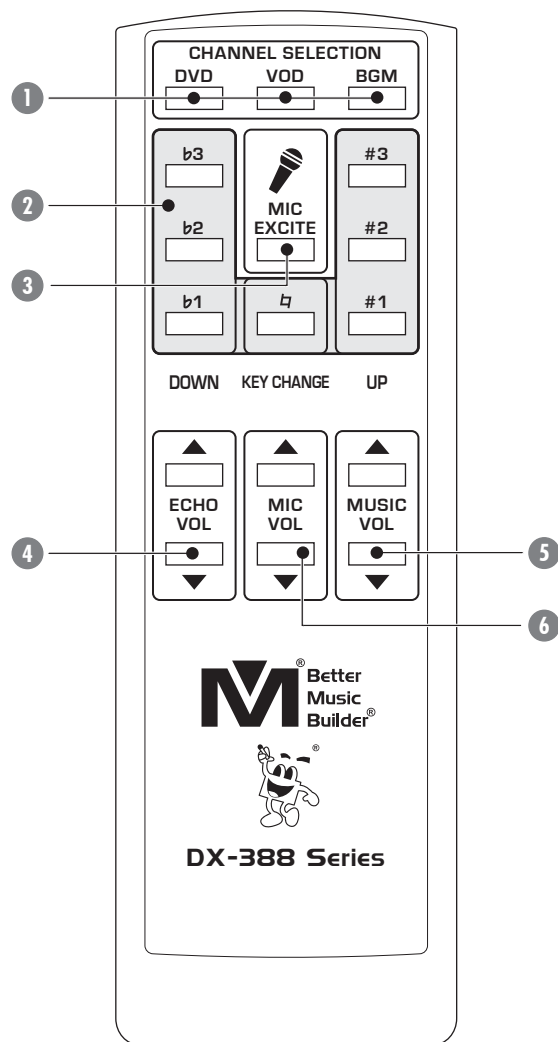


REAR PANEL:

- 21 VIDEO INPUT TERMINAL:** 3 video input sources: BGM [1], VOD [2], DVD [3]
 - 22 REAR MICROPHONE INPUTS (1/4 inch SLOT):** Share the same microphone gain controls with MIC 2 and MIC 3 of front panel.
 - 23 VIDEO OUTPUT TERMINAL:** Dedicated composite video output.
 - 24 SUBWOOFER LINE OUT:** This is a dedicated Subwoofer line out. It is unaffected by the Center Power Output Selector Switch.
 - 25 REMOTE INPUT:** Connects to VOD control panel.
 - 26 CENTER POWER OUTPUT SELECTOR:** This is a control switch to select between the center and subwoofer signal source for the Center/Subwoofer Powered Output amplification to drive the speaker.
 - 27 MICROPHONE EFFECTOR:** Microphone output jack for extra effector input. Microphone input jack for extra effector output.
 - 28 MAIN RIGHT SPEAKER OUTPUT TERMINAL:** Dedicated Group-A & Group-B main right channel powered output.
 - 29 CENTER/SUBWOOFER SPEAKER OUTPUT:** The output is based on the Center Power Output Selector. If the existing output lines is not enough to support the room size greater than the maximum 900 square feet, the amplifier might burn out. Use the alternative independent "center line out" or "subwoofer line out" to connect the signal to an external power amplifier so this unit can be used as a pre-amplifier.
 - 30 MAIN LEFT SPEAKER OUTPUT TERMINAL:** Dedicated Group-A & Group-B main left channel powered output.
 - 31 BGM SENSITIVITY:** Back Ground Music (BGM) signal sensitivity control.
 - 32 AUDIO INPUT TERMINAL:** 3 audio input sources: BGM [1:priority source], VOD [2], DVD [3]. For more details about connecting multiple audio sources please see page 18.
 - 33 LINE PRE-OUTPUT**
 - 34 SOUND EFFECT SEND (OUTPUT) & RETURN (INPUT):** Enable connection to reverberation unit, equalizer and other assisting sound sources. Do not take off the "jumpers" when not using the jacks. Audio will be disabled when "jumpers" are wrongly positioned or unplugged.
 - 35 CENTER LINE OUT:** This is a dedicated Center Vocal Monitor line out. Use this output when the CENTER VOCAL output in the main speakers output is not enough. Note that in order to properly use the CENTER LINE OUT, the speaker has to be a powered/active speaker. It is unaffected by the Center Power Output Selector Switch.
 - 36 LOW PASS:** SUB channel frequency adjustment from 80Hz-250Hz. Controls the subwoofer output in function 24 and 29.
 - 37 LOW NOISE DUAL UNITS COOLING FAN**
 - 38 AC-POWER:** USA & Canada use 120V. Asia market will be supplied with 220V model. Contact authorized dealer for more details.
 - 39 FUSE:** Housing for the power supply fuse.



REMOTE CONTROL:

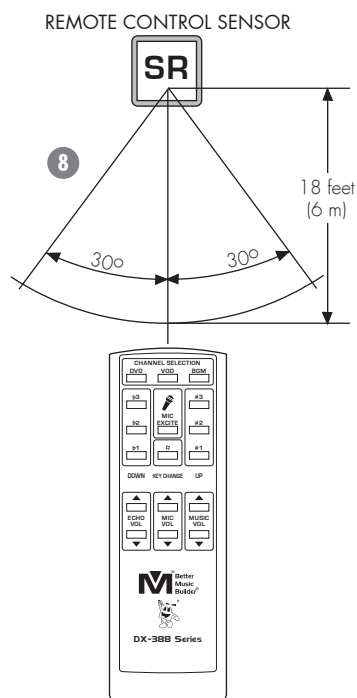


7 INSERTING BATTERIES

Open the battery compartment cover on the back of the remote control unit. The cover should open easily if you press on in with your thumb while sliding it in the direction of the arrow. Insert two AAA batteries as shown and slide the cover back on.

8 USING THE REMOTE CONTROL UNIT

When operating the remote control, point the remote's infrared port at the remote sensor "SR" logo on the front panel. The remote control can be used within a range of 18 feet (6 meters) from the remote sensor, and within angles of up to 30 degrees.



1 INPUT SELECTION: DVD, VOD, BGM

Press this button to select the input source.

2 KEY CONTROL: ♭ LOW, ♮ NATURAL, # HIGH

Controls the music key.

3 MICROPHONE EXCITE

Press this button to enhance microphone effect.

4 ECHO VOLUME

Echo Volume control from 00 to 90.

5 MUSIC MASTER VOLUME

Music Master Volume control from 00 to 90.

6 MICROPHONE MASTER VOLUME

Microphone Master Volume control from 00 to 90.



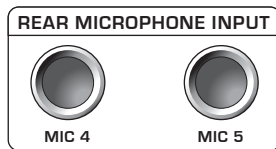
OPERATION

FRONT PANEL OPERATION

MICROPHONE INPUT



There are three microphone inputs (1/4" slot) on the front panel.



There are two microphone inputs (1/4" slot) on the rear panel.

ADJUSTING THE MICROPHONE VOLUME



There are three knobs under MIC VOL: MIC 1, MIC 2/4, MIC 3/5

MIC 1: This knob controls the volume for microphone 1.

MIC 2/4: This knob controls the volume for microphone 2 (front panel) and microphone 4 (rear panel).

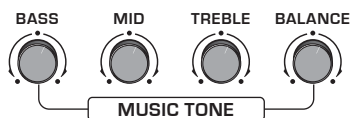
MIC 3/5: This knob controls the volume for microphone 3 (front panel) and microphone 5 (rear panel).

ADJUSTING THE ECHO EFFECT



Turn the knob clockwise to increase and counter-clockwise to decrease the delay and repeat effects.

ADJUSTING THE MUSIC TONE



There are four knobs under the MUSIC TONE: TREBLE, MID, BASS and BALANCE.

BASS: Turn the knob clockwise to increase and counter-clockwise to decrease the bass output.

MID: Turn the knob clockwise to increase and counter-clockwise to decrease the mid-range output.

TREBLE: Turn the knob clockwise to increase and counter-clockwise to decrease the treble output.

BALANCE: Adjusts the music output for left and right speakers.

ADJUSTING THE CENTER, SUB, LINE VOLUME

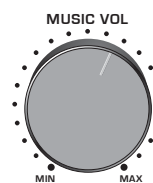


CENTER: Turn the knob clockwise to increase and counter-clockwise to decrease the volume for center speaker.

SUB: Turn the knob clockwise to increase and counter-clockwise to decrease the volume for subwoofer.

LINE: Turn the knob clockwise to increase and counter-clockwise to decrease the volume for line-out output.

ADJUSTING THE MUSIC VOLUME



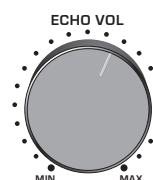
This knob controls the volume for MUSIC. Turn the knob clockwise to increase and counter-clockwise to decrease the music volume.

ADJUSTING THE MIC MASTER VOLUME



This knob controls the volume for MICROPHONE. Turn the knob clockwise to increase and counter-clockwise to decrease the microphone volume.

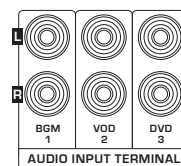
ADJUSTING THE ECHO VOLUME



This knob controls the volume for ECHO. Turn the knob clockwise to increase and counter-clockwise to decrease the echo volume.

REAR PANEL OPERATION

CONNECTING MULTIPLE AUDIO SOURCES



When connecting multiple audio sources the priority source will automatically be selected. (The sources are listed in the following order BGM, VOD & DVD. BGM being the priority source.)

USING BGM, VOD, DVD: When using the BGM input, you cannot change to VOD or DVD unless you pause the incoming audio from BGM, then you can select between VOD or DVD (once you begin to play audio from BGM, the source will automatically change back to BGM).

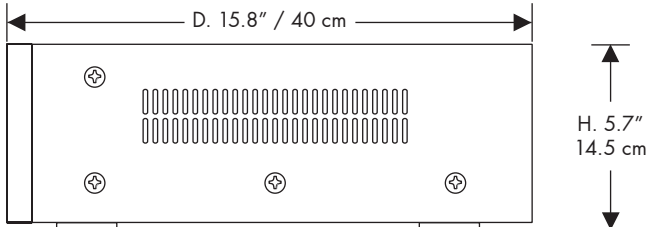
USING VOD, DVD: When using VOD and DVD only, you are free to select between the two sources. Pausing one source will switch the audio to the next source.



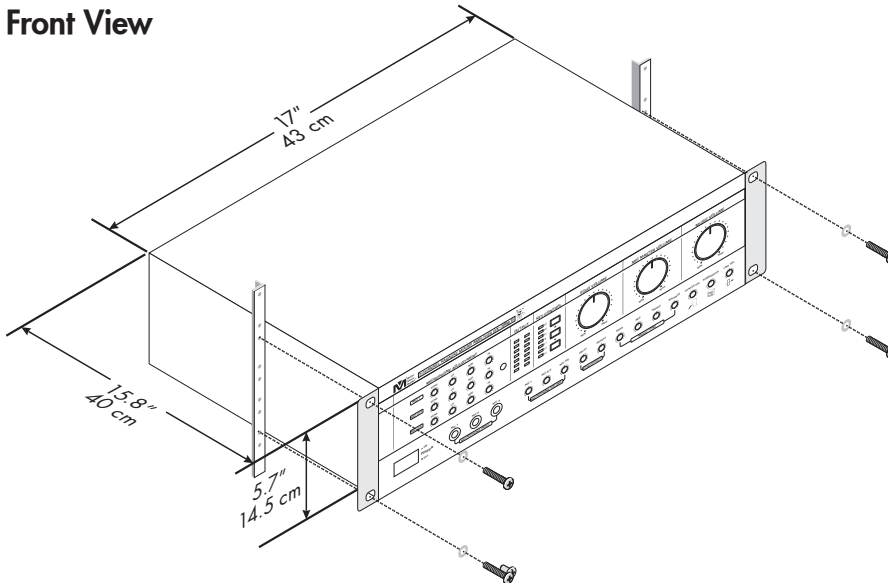
PHYSICAL DIMENSIONS

NET WEIGHT	33.2 lbs / 15.1 Kg
SHIPPING WEIGHT	40.8 lbs / 18.5 Kg
DIMENSIONS (WxHxD)	17x5.7x15.8 in / 43x14.5x40 cm
PACKING DIMENSIONS (WxHxD)	22.1x8.9x17.9 in / 56.1x22.6x45.4 cm

Side View



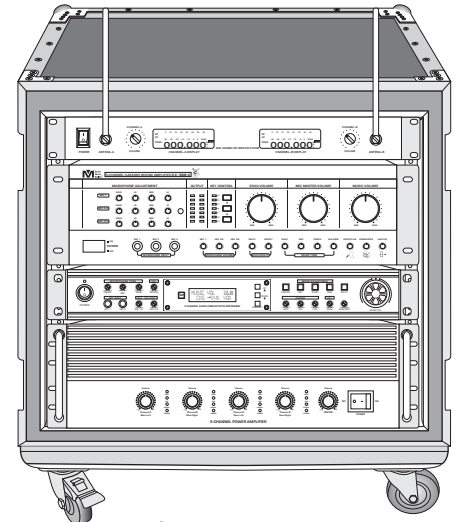
Front View



SPECIFICATIONS

POWER OUTPUT	3x300W (1kHz, 8 ohm)	
THD	(1kHz, 100W, 8ohm) 0.02%	
FREQUENCY RESPONSE	20Hz~20KHz +/-1dB	
TONE ELECTRICAL CIRCUIT	MUSIC PART BASS Control: 100Hz ± 12dB MID Control: 1kHz ± 12dB TREBLE Control: 10kHz ± 12dB	MIC PART BASS Control: +8dB/-12dB MID Control: +8dB/-12dB TREBLE Control: +8dB/-12dB
INPUT SENSITIVITY/IMPEDANCE	MIC: 20mV/2k ohm LINE: 200mV/10k ohm	
EFFECT	ECHO	
LOAD IMPEDANCE	OUTPUT IMPEDANCE: 4~16 ohm RECOMMENDATORY IMPEDANCE: 8 ohm	
STATIC POWER CONSUMPTION	35 Watts	
POWER CONSUMPTION	120V 60Hz, <1300Watts	

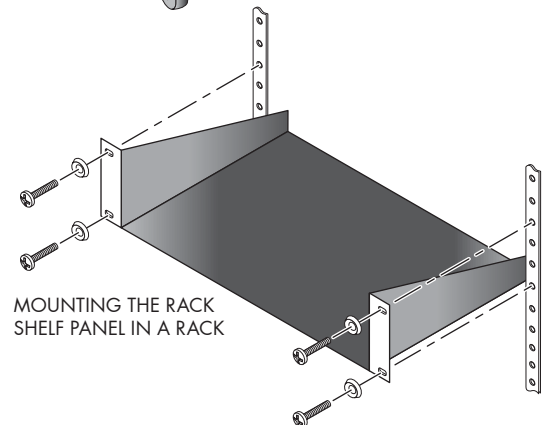
PORTABLE SYSTEM



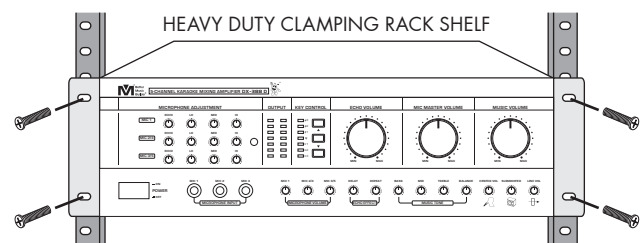
OPTIONAL 19" RACK MOUNT KIT

The Rack Mount kit is optional. Please make sure to get the right kit size, then put the amplifier into the rack. The rack is used to protect the amplifier. With such portable equipment, it is possible to have party at home anytime or use it for Karaoke rental business.

The Bracket/Handler (optional) is used to hold your audio/video equipment firmly in place, but not for transportation. If you need to transport the equipment, we recommend you using the heavy duty clamping rack shelf (optional) as illustrated in figure. You should place the heavy duty clamping rack shelf into the portable case. This would protect your equipment. There are different sizes of the heavy duty clamping rack shelves to suit your specific needs. Please note that the bracket/handler, rack shelf and case are not included in the package. They are optional items and sold separately.



MOUNTING THE RACK SHELF PANEL IN A RACK



HEAVY DUTY CLAMPING RACK SHELF



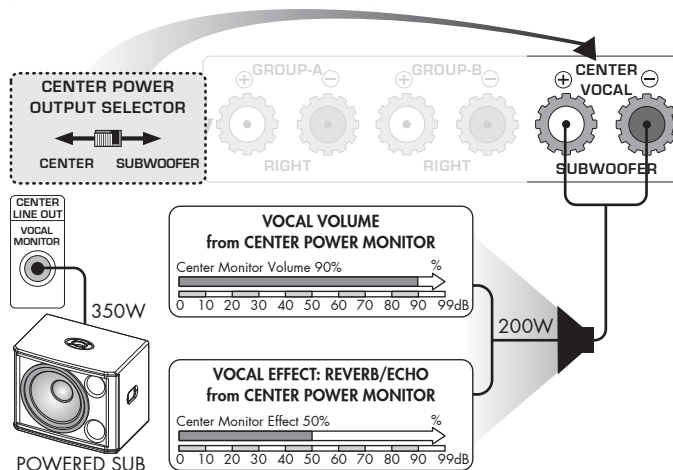
TROUBLESHOOTING

1. NO ECHO FROM THE CENTER SPEAKER

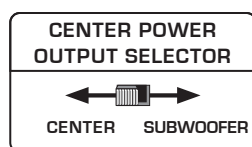
CAUSE: CENTER ECHO is turned off.

REMEDY: Turn on CENTER ECHO.

We design this system in such a way that the echo from the main speakers is independent with that of the center monitor speaker (which helps the singer monitor his/her own singing). There is a switch in the rear panel to turn on/off the echo for the center speaker only. It would not affect the echo function of the main speakers. Therefore, if you do not hear any echo from the center speaker, it doesn't mean that the system is defective. If you need the echo from the center speaker, you just turn on the switch in the rear panel.



2. NO VOCAL FROM THE CENTER SPEAKER



CAUSE: CENTER/SUBWOOFER switch is incorrectly selected.

REMEDY: Slide the switch to CENTER position.

3. MIC MASTER VOL & MUSIC VOL MALFUNCTION

SYMPTOM: No change in sound output when adjusting the MIC MASTER VOLUME and MUSIC VOLUME potentiometers.

CAUSE: Only main speakers are connected.

REMEDY: Connect an external amplifier to Center Monitor signal out in the rear panel and hook up speakers to the external amplifier.

NOTE The two potentiometers only affect the Center Monitor signal out, and they have no effect on the main speakers output.

4. MUSIC VOLUME IS TOO LOW

CAUSE: The music volume limiter is set too low.

REMEDY: Adjust to a higher "Max Music Volume."

5. MICROPHONE VOLUME IS TOO LOW

CAUSE: The mic master volume limiter is set too low.

REMEDY: Adjust to a higher "Max Mic Master Volume."

6. NO SOUND FROM SUBWOOFER

CAUSE: SUB is turned off.

REMEDY:

- Turn on the SUB: press SUB button two times.
- Be sure to adjust the SUB volume to a high enough value.
- Check to make sure subwoofer is turned on.
- Select SUB for all inputs: press SUB button three times.

7. NO SOUND FROM MICROPHONE

REMEDY:

- Be sure mic is turned on
- Mic cable is connected properly
- Check the mic volume

8. MACHINE HAS NO POWER

REMEDY: Check to see if the power cable is well connected and that the power switch on the front panel is turned on.

9. BASS ON VOCAL SOUND IS NOT CLEAR

When you sing or make an announcement with the microphone, there is too much bass. You may be connecting to the subwoofer improperly. It is because the SUB OUT of this unit has two different functions: Bass is only for music and not for vocal.

10. BAD AUDIO OR MICROPHONE SOUNDS

REMEDY:

- Check the source of your audio (CD, DVD) to see if it's scratched.
- Check your audio cables or microphone cables.
- Use a better audio cable or 3pin XLR mic cable.

11. THERE IS NO PICTURE

REMEDY:

- Check to see if your video sources are selected accordingly.
- Check to see if you plugged in the video cables.
- Check your TV or display monitor.

12. VIDEO IS FLICKERING

REMEDY:

- Check to see if the AV cable is damaged.
- Use a better AV cable.
- We recommend you to connect videos to the TV or monitor directly for best results.

13. VIDEO SIGNAL OUT RECOMMENDATIONS

REMEDY: If you have more than 2 RCA output to the display, we recommend you use a signal amplifier. The signal amplifier will stabilize your video quality. If you have a HDTV (Plasma, or LCD) video we recommend you directly connect your source to the video display.

14. POWER CAN NOT BE TURNED ON

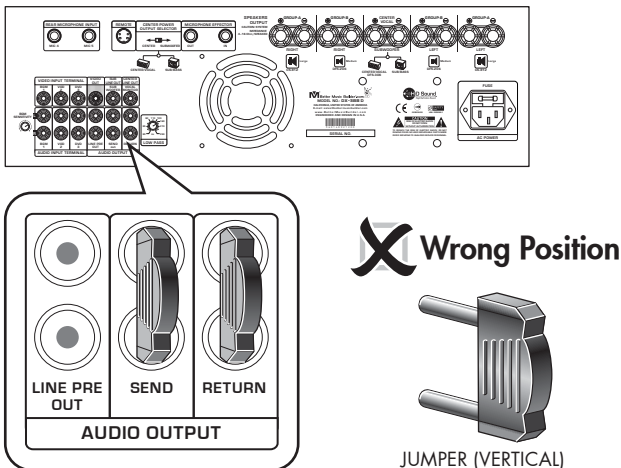
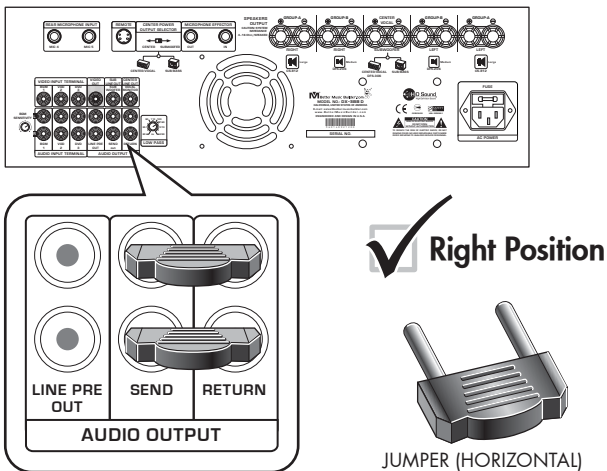
REMEDY:

- Check to see if your unit is plugged in properly.
- Check your power cable.

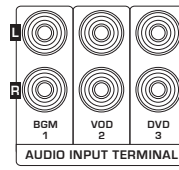
15. PROTECTION FOR AUDIO/VIDEO EQUIPMENT

Before you hook up or disconnect any audio/video equipment, you must turn off the power for all equipment. Otherwise, it may cause black spots to appear on the LCD or Plasma TV screen.

16. HUMMING NOISE



17. REMOTE CONTROL IS NOT WORKING



REMEDY: When connecting multiple audio sources the priority source will automatically be selected. (The sources are listed in the following order BGM, VOD & DVD. BGM being the priority source.)

• **USING BGM, VOD, DVD:** When using the BGM input, you cannot change to VOD or DVD unless you pause the incoming audio from BGM, then you can select between VOD or DVD (once you begin to play audio from BGM, the source will automatically change back to BGM).

• **USING VOD, DVD:** When using VOD and DVD only, you are free to select between the two sources. Pausing one source will switch the audio to the next source.

18. AUDIO FEEDBACK

REMEDY:

- Turn down the dB on the equalizer especially 1K, 2.5K, 5K, and 10K Hz.
- Turn off the Mix Excite.

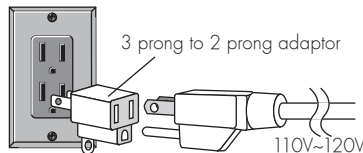
19. AMPLIFIER SHUT DOWN/INTERFERENCE NOISE

CAUSE: The amplifier turned on but there is no music coming out from the speaker powered output channels.

REMEDY: Make sure that the AC-power supply is connected to the correct voltage level according to the local market.

20. NOISE AND DISTORTION

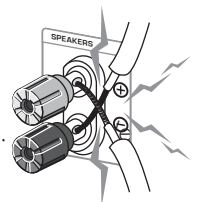
When humming noise or displeasing sound appears, you can replace the supplied power cord with an AC power cord with a magnetic device as shown in the figure below.



NOTE In North America many families own satellite TVs, HD TVs and cable TV receivers. They may cause interference which affect both audio and video equipment. The power cord as shown in figure 2 may help eliminate the humming sound and enhance TV picture quality.

21. SOUND PROBLEM: No sound.

REMEDY: Positive and negative of speaker wire are touching each other at the terminals. recommend using double banana plugs.





WARRANTY

ONE-YEAR LIMITED WARRANTY FOR HOME USE EQUIPMENT

Our one-year warranty covers both parts and labors. The warranty becomes effective from the date of your purchase for one year.

Our warranty only covers defects due to product defectiveness with free of defects in materials or workmanship. However, our warranty does not cover defects due to normal wears, damage in transit, improper use, abuse or failure to follow the proper instructions for maintenance. This warranty is void in the event of unauthorized repairs, alternations, modifications and removing of the product label.

Please also note that our warranty does not cover any shipping cost for the return of defective products to us for inspection, repair and maintenance. Our warranty for Better Music Builder products can only be executed in North America.

90-DAY LIMITED WARRANTY FOR PUBLIC AND COMMERCIAL USE EQUIPMENT

Our 90-day warranty applies to speakers, amplifiers, mixers and microphones for both public and commercial use such as restaurant, coffee shop, KTV nightclub, church and school, etc. It covers both parts and labors. The warranty becomes effective from the date of your purchase for 90 days.

Our warranty only covers defects due to product defectiveness with free of defects in materials or workmanship. However, our warranty does not cover defects due to normal wears, damage in transit, improper use, abuse or failure to follow the proper instructions for maintenance. This warranty is void in the event of unauthorized repairs, alternations, modifications and removing of the product label.

Please also note that our warranty does not cover any shipping cost for the return of defective products to us for inspection, repair and maintenance. Our warranty for Better Music Builder products can only be executed in North America.

ADDITIONAL NOTES:

1. Limited warranty for home use equipment is only valid in North America.
2. Limited warranty is valid only if you purchase our products from our authorized dealers (including both regular retailers and online retailers) in North America. If you choose to purchase our products from an authorized dealer, we will not provide any limited product warranty for you. To protect your limited product warranty, please purchase our products from one of our authorized dealers in North America near you.
3. Limited warranty is automatically void if the yellow label stating "No Warranty After Opening" is removed from the product.

TO REGISTER YOUR WARRANTY

Please fill out the warranty card that came with your unit, download or submit online warranty form. However, we need the invoice for your purchase in order to process this warranty. You may also register your warranty online. Please visit our website at www.bettermusicbuilder.com.



AGENCY REGULATORY NOTICES

FEDERAL COMMUNICATIONS COMMISSION NOTICE

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not approved may void the user's authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods to maintain compliance with FCC rules and regulations.

MATERIALS DISPOSAL

Disposal of this material can be regulated because of environmental considerations. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance (EIA) (<http://www.eiae.org>).

DISPOSAL OF WASTE EQUIPMENT BY USERS IN PRIVATE HOUSEHOLDS IN THE EUROPEAN UNION

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of

your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

JAPANESE NOTICE

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

JAPANESE POWER CORD NOTICE

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

JAPANESE MATERIAL CONTENT DECLARATION

A Japanese regulatory requirement, defined by Specification JIS-C-0950, 2005, mandates that manufacturers provide Material Content Declarations for certain categories of electronic products offered for sale after July 1, 2006.

KOREAN NOTICE

이 기기는 가전용(가급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
--

RECYCLING PROGRAM

The terms and availability of these programs vary by geography because of differences in regulatory requirements and local customer demand.

因为在当地的监管要求和客户的需求, 这些条件和程序的情况不同。



FINAL WORDS TO USER

The engineering team of Better Music Builder has many years of experience in audio equipment design. The team constantly develops new audio technologies, designs innovative audio and karaoke equipment to suit your specific needs and provides you great ideas for home entertainment.

Our engineering team also designs audio equipment for commercial use by restaurants, coffee shops, churches, and school auditoriums, etc. If the commercial area for audio equipment installation exceeds 2,000 square feet, we highly recommend hiring audio professionals to handle the installation in order to avoid risks in breaking the equipment with improper installation and safety protection purposes.

We also provide educational and technical information on audio equipment and technologies. For example, we provide free installation diagrams to make it easier to connect the system. In addition, to get best connections for the sharpest image and sound quality, we provide hot tips for choosing the high quality type of A/V cable connections. Free information on audio equipment and technologies available for download from our website, www.BetterMusicBuilder.com.

Please do not remove the "Yellow Label" on the rear of the machine; otherwise, the warranty will be void automatically. We design it to protect your own safety. If repair and maintenance service is needed, please contact us directly or hire a professional technician. To learn more about the technical aspects, visit our website www.BetterMusicBuilder.com and download the relevant information for review.



Before hooking up the system, turn off the power on all machines including audio/video equipment and TV. Otherwise, it may damage the equipment, especially on the HDTV in which a spot might appeared on the TV screen. After hooking up the system, double check the audio/video connections to ensure that they are connected correctly.

NOTE Sometimes, loose or poor quality cable would affect the microphone effects, picture quality, or even cause the machine to shut down suddenly.

Again, thank you for choosing Better Music Builder. We hope you can make the best use of the machine and enjoy it for years to come. If you have any questions regarding our product, please feel free to contact us at www.BetterMusicBuilder.com.



CONTACT INFORMATION

MAILING ADDRESS



BETTER MUSIC BUILDER
29300 Kohoutek Way #150
Union City, CA 94587
U.S.A.

TELEPHONE NUMBERS



USA Region
USA Toll Free: 1-800-318-2218
Sales & Marketing: 510-477-9955
Customer Service: 510-477-9955

FAX NUMBERS



USA Region
Sales & Marketing: 510-477-9922
Customer Service: 510-477-9922

WORLD WIDE WEB



E-mail: sales@bettermusicbuilder.com
Website: www.bettermusicbuilder.com

MAINTENANCE

With proper maintenance and regular service, it would maintain the machine quality and prolong its life. We recommend you to print the following information clearly for future reference on maintenance and warranty.

MODEL# _____ INVOICE # _____

DATE PURCHASED (MM/DD/YYYY) _____

DEALER NAME _____

CITY _____ ST./PROV. _____ ZIP/P.C. _____

DEALER WEBSITE <http://www.> _____

DEALER PHONE # _____

DEALER E-MAIL _____

Better Music Builder®.com



Passionate about Music

Thank you for purchasing this unit. To make full and effective use of this unit, please read this Owner's Manual carefully before operating it. Please retain this manual for future reference.

