

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

DYNAMIC FUSION AMPLIFIER

DX-388 G3

G3 SERIES Generation 3



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

The DX-388 G3 Dynamic Fusion Amplifier is a new breed of Better Music Builder mixing amplifier. This third generation amplifier is a hybrid of power amplifier and mixer to help you save space and achieve convenience.

The DX-388 Series has been widely praised as one of the most user friendly mixing amplifiers. With its individualized and diverse controls front and center, a karaoke novice can be an experienced DJ in a matter of hours. Perhaps the most impressive leap for this third generation mixing amplifier is its accessibility. Besides the four composite A/V inputs in the rear panel, a multimedia expansion bay is located in the front for easy access. It allows playback of MP3 music files stored on a USB flash drive and SD card.

The toughest thing to handle for a power amplifier is clipping. Conventional designs use lots of negative feedback to provide stability and lower distortion. Unfortunately this method results in painfully audible distortion, because when clipping occurs, this "feedback" can cause high-frequency sticking, keeping the amplifier "latched" in the clipping state longer than necessary. Abandoning conventional designs, DX-388 G3 utilizes a new design to eliminate this high-frequency sticking allowing the amplifier to remain stable when powering high reactive loads.

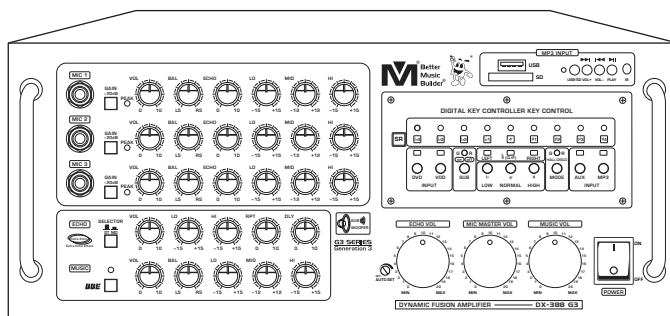
It is simply the best solution for home and professional karaoke performance.



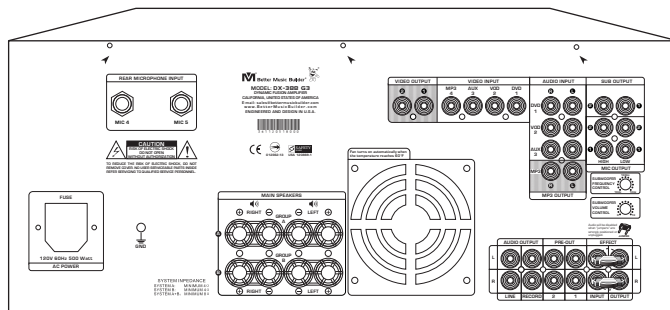
SYSTEM FEATURES

DYNAMIC FUSION AMPLIFIER

- Front panel control for easy access
- Equalizer 3 band control (Hi-EQ, Mid-EQ, Low-EQ)
- 4-channel speaker outputs
- Multimedia Expansion Bay (USB & SD slots)
- BBE live sound effect enhances high and low pitch
- Music Gain signal limiter and sensitivity control
- Music Tone controls Bass, Mid-range, and Treble
- Microphone Gain signal limiter and sensitivity control
- Microphone Tone controls Bass, Mid-range, and Treble
- 9-Steps key control
- Automatic Zero Volume Adjustment
- Balanced adjustment for music level and vocal level
- Auto decrease microphone gain levels
- LED peak indicator for each microphone
- Inputs: 5 microphone inputs (3 front and 2 rear), 4 audio inputs, 4 video inputs, and 1 effect input
- Outputs: 2 microphone outputs, 2 audio outputs, 2 video outputs, 2 subwoofer outputs, 2 pre-out, and 1 effect output
- Smart fan
- Front handles for easy handling



DX-388 G3 FRONT VIEW



DX-388 G3 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.

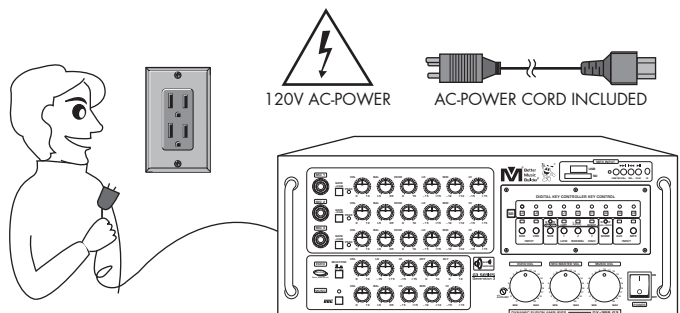
16. Power Precaution: Unplug this product during lightning storms or when unused for long periods of time. Note that this product is not completely disconnected from the AC power source when the power switch is in the OFF position.

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

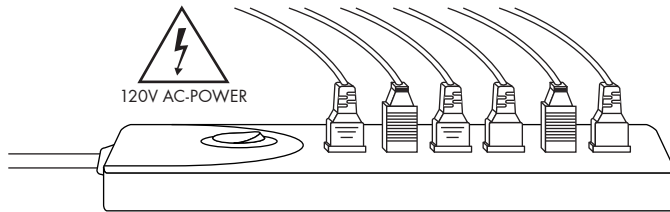
This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, or other sources, refer to the operating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

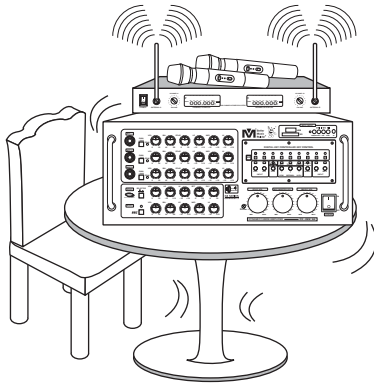
Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



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.

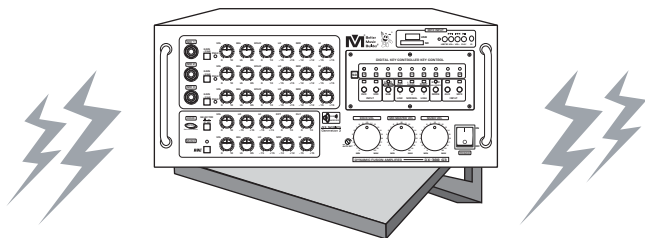
It is because it would fall easily from the unstable table or stand, so it may cause accident including personal injuries and damage the equipment. Please follow our instructions to install the equipment, or you may hire a professional technician to handle the installation for safety purpose.



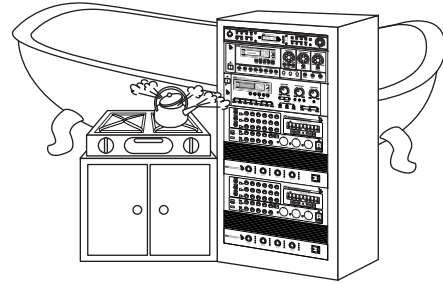
Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart stand tripod, bracket, or table recommended by the manufacturer.

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

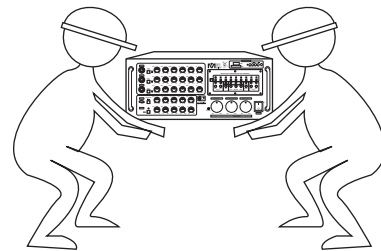
This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



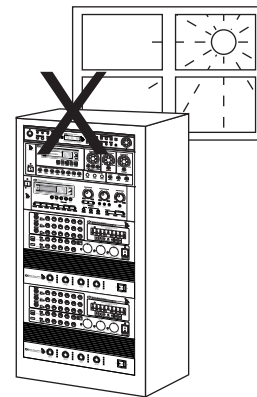
Do not store the electronic equipment near water or area with moisture such as bathroom, kitchen sink, laundry area and swimming pool, etc.



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.

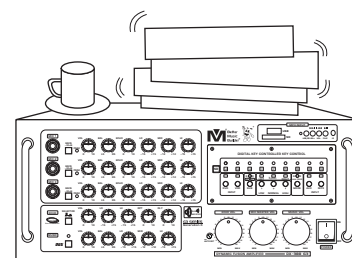


Do not place the electronic equipment directly under sunlight or close to the window. It may cause overheat on the electronic equipment by the sunlight.

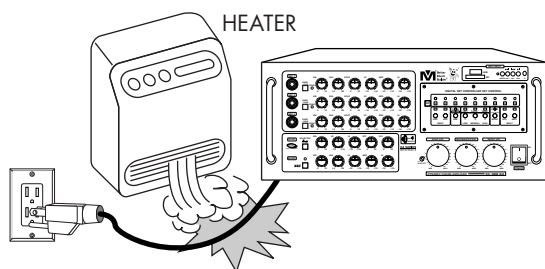


Do not block the openings and vents in the cabinet which is designed for the ventilation of the electronic equipment.

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

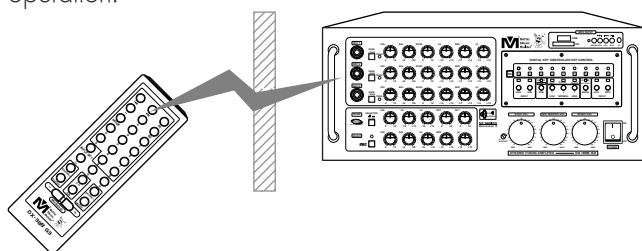


Do not place the electronic equipment near heat sources such as stoves, radiators and heaters, etc. Placing the electronic equipment too near to these heat sources would result in damaging the equipment and causing fire.



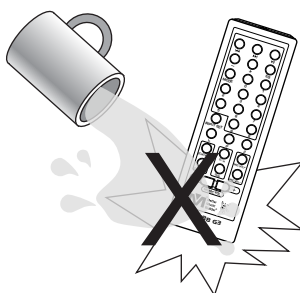
Using the Remote Control Unit

Use the remote control unit by pointing it towards the remote control sensor on the amplifier. Objects between the remote control unit and the remote control sensor may prevent proper operation.



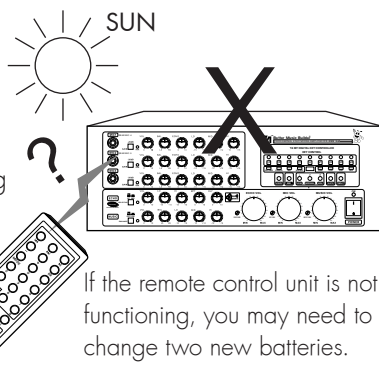
Cautions Regarding the Remote Control Unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.



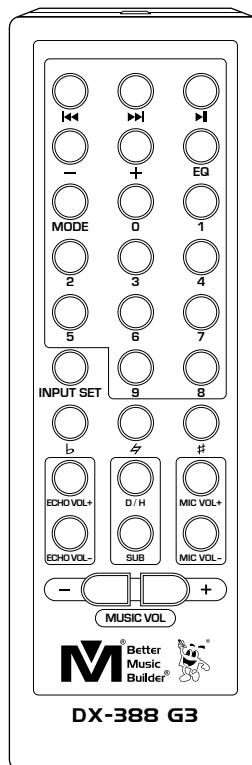
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the remote control unit.

- The remote control unit may not work properly if the remote control sensor on the amplifier is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the amplifier, or operate the remote control unit closer to the remote control sensor.

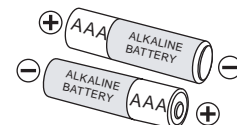


PACKAGE ACCESSORIES

The package comes with one amplifier, one owner's manual, one remote control, two batteries, and one AC power cable. All other accessories mentioned in the manual for installation purpose are not included. They are sold separately.



Remote control



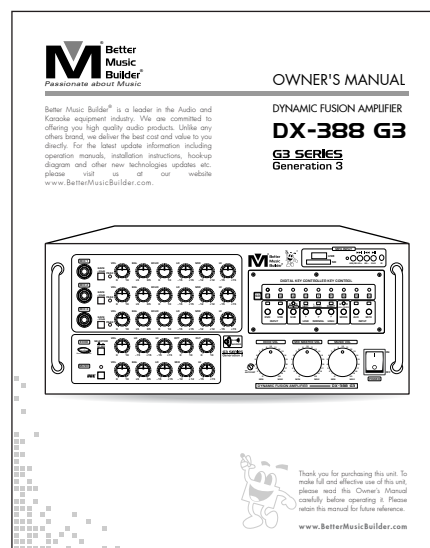
Battery size: AAA (R6 1.5 V)



AC power cable (6 feet)
United States (2M) to IEC (F)



Consumer warranty
and registration card
<Mail in U.S.A. only> Consumers from Canada
can get the warranty card by downloading it
from our website www.BetterMusicBuilder.com.



Owner's Manual

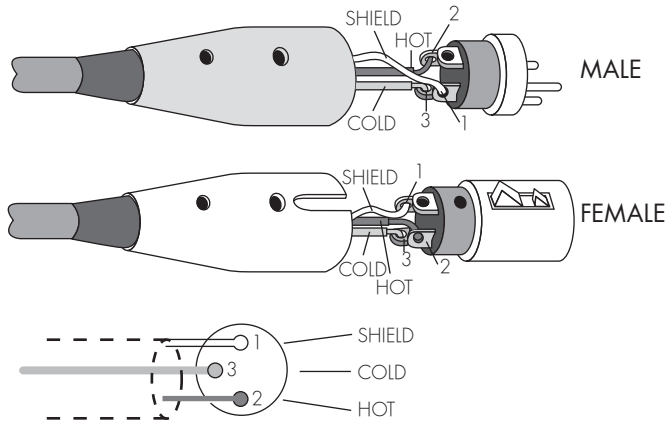


SPEAKER CONNECTION METHODS AND INFORMATION

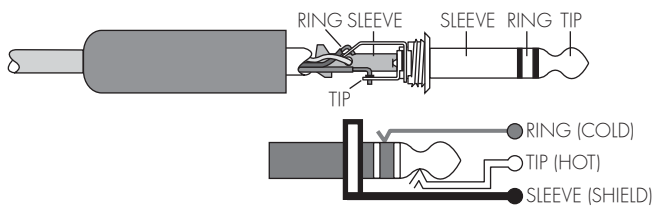
CONNECTOR INFORMATION

Balanced XLR Connectors

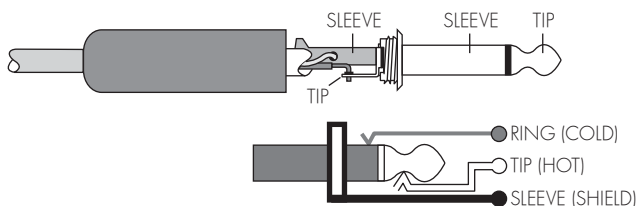
	XLR	TRS
Hot (+)	Pin 2	Tip
Cold (-)	Pin 3	Ring
Shield (Ground)	Pin 1	Shield



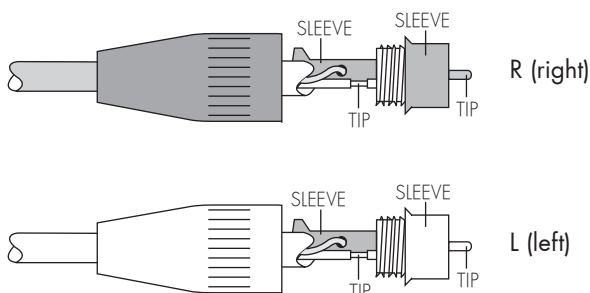
Balanced 1/4" TRS Plug



Unbalanced 1/4" TRS Plug

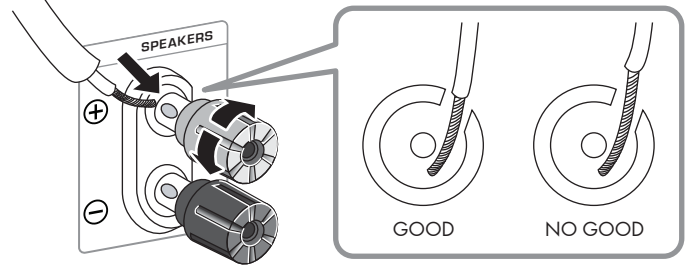


RCA Unbalanced Jack

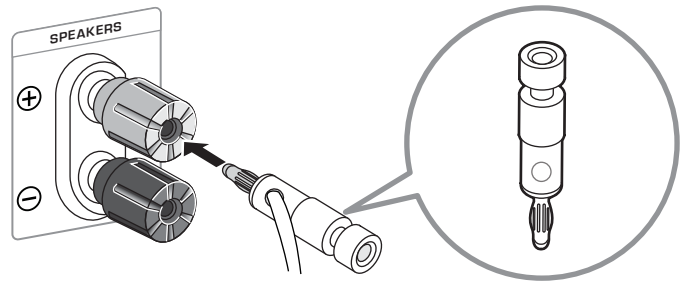


METHODS OF SPEAKER CONNECTION

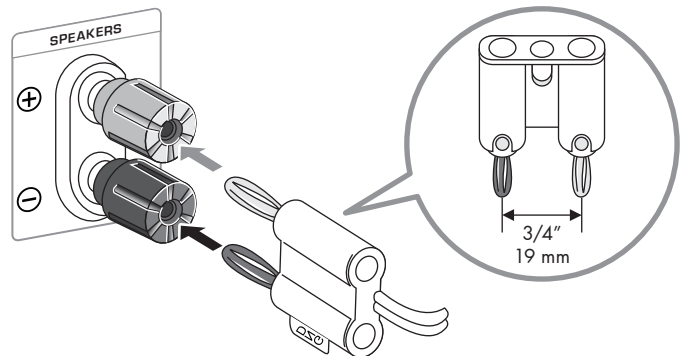
1. Insert Type (Poor Connection)



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.

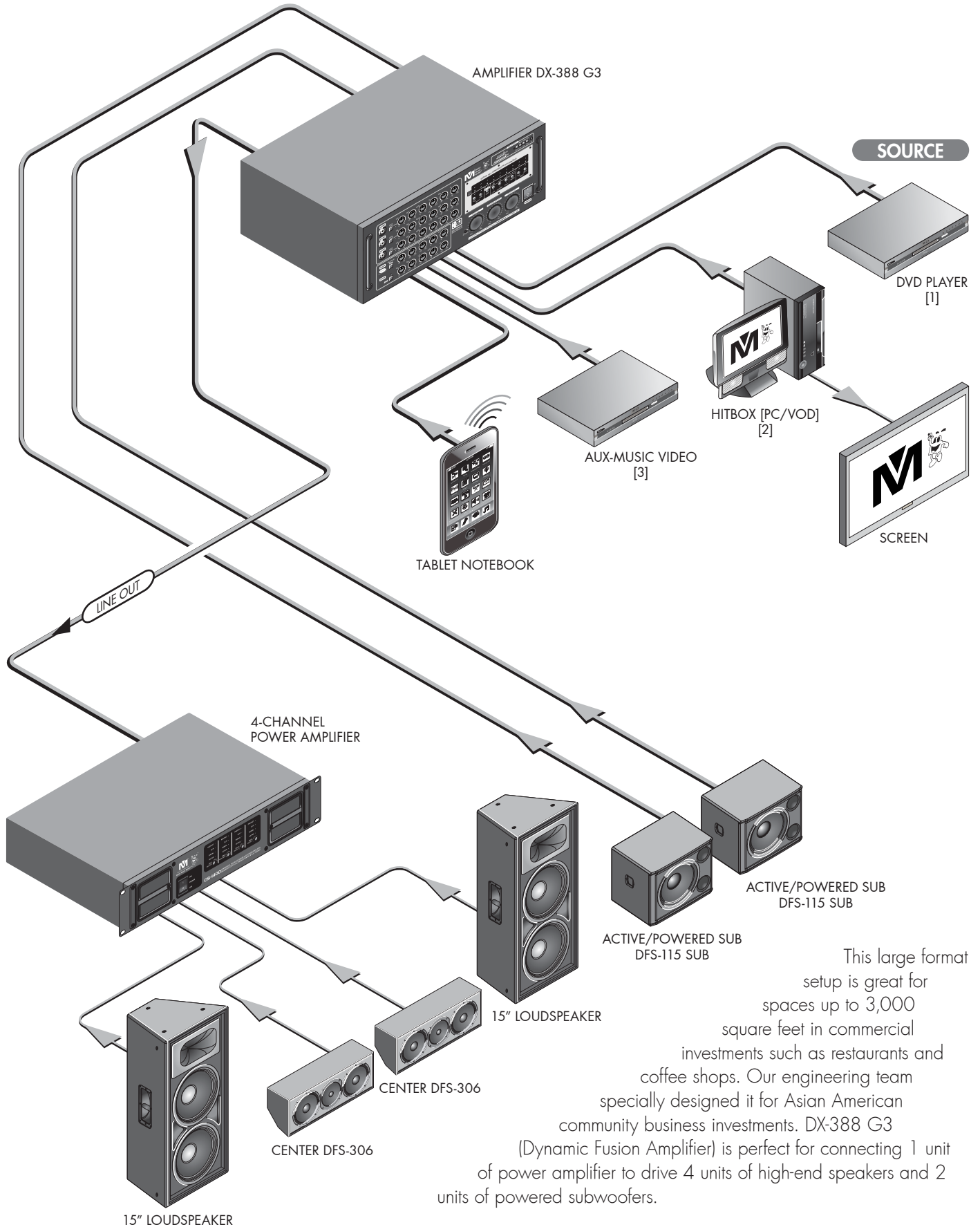
Do not allow the wire core to protrude or touch other terminals or wires.

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



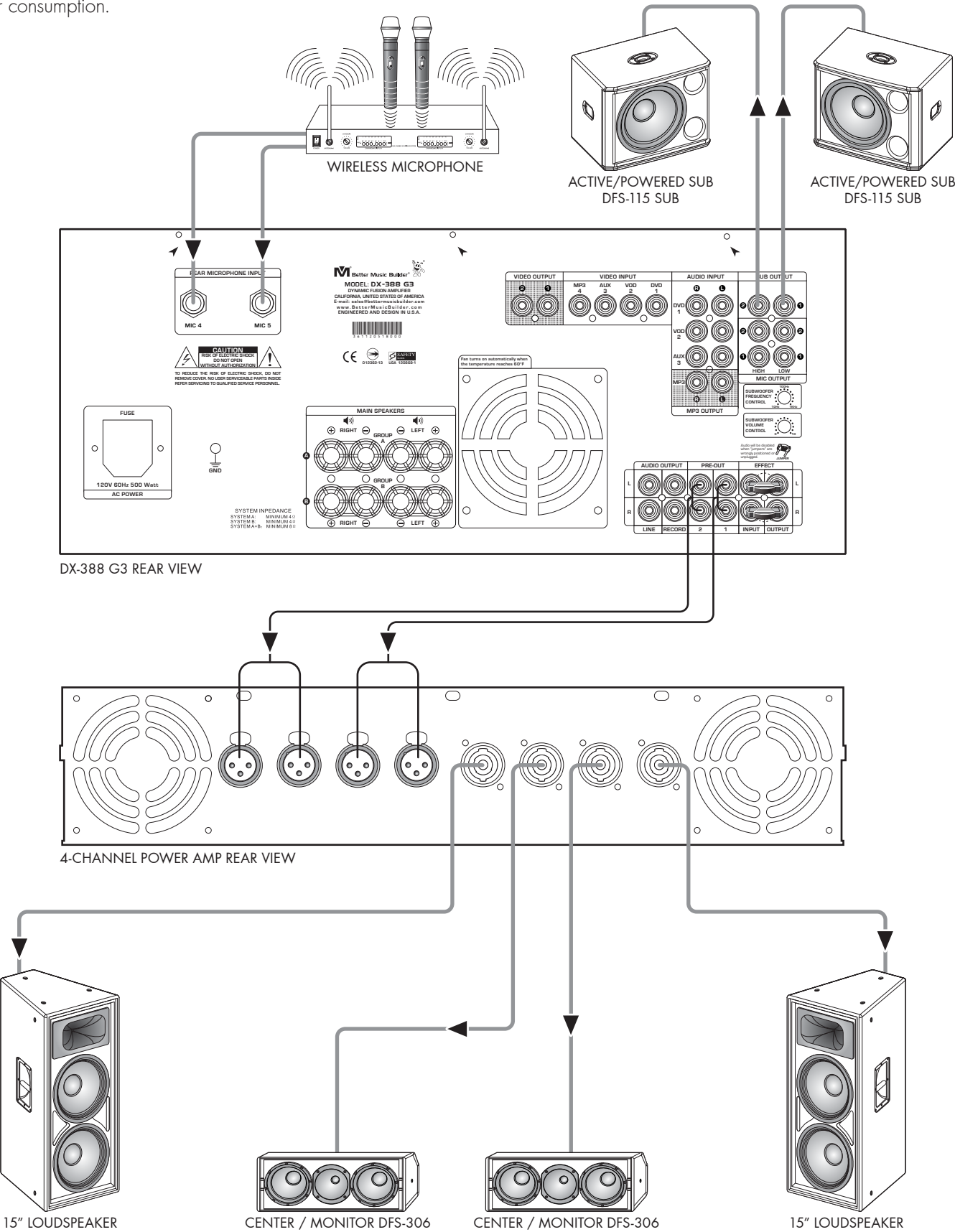
SYSTEM APPLICATIONS

CONNECTING THE WHOLE SYSTEM FOR LARGE FORMAT

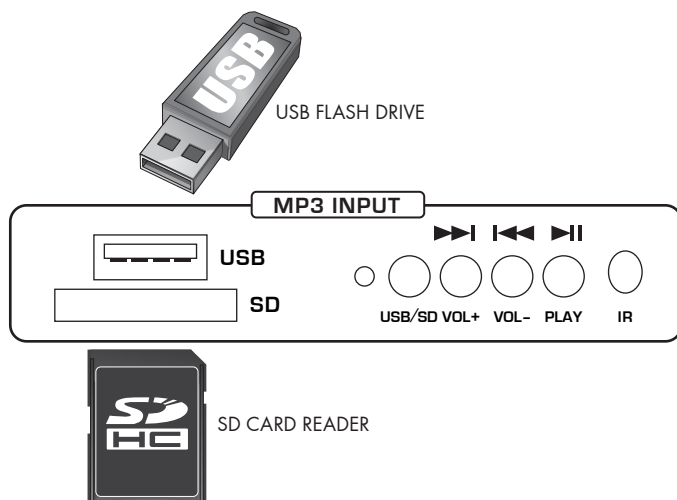


LARGE FORMAT

The large format is great for multiple speakers which require even higher power great for concerts and live performances suitable for use with high power amps to match speaker power consumption.



MULTIMEDIA EXPANSION BAY – MP3 SOURCE INPUT

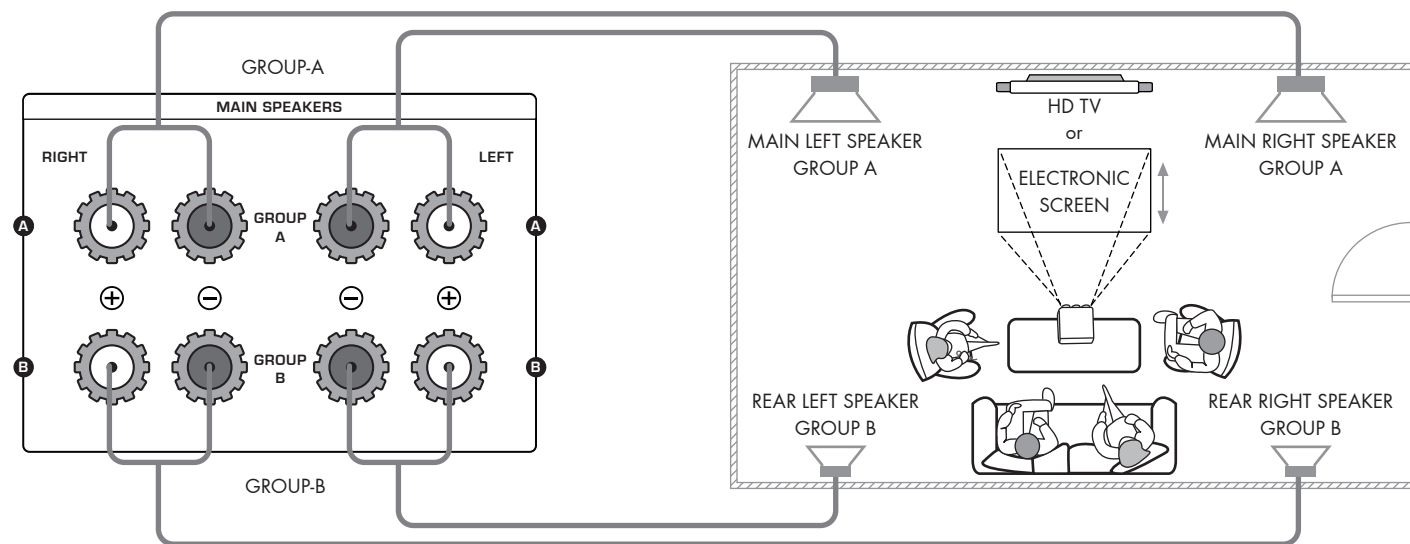


Multimedia Expansion Bay provides easy access to MP3 files in USB and SD connection. You can find the slots on the front panel at the top right corner. Note that only one slot can be used at once.

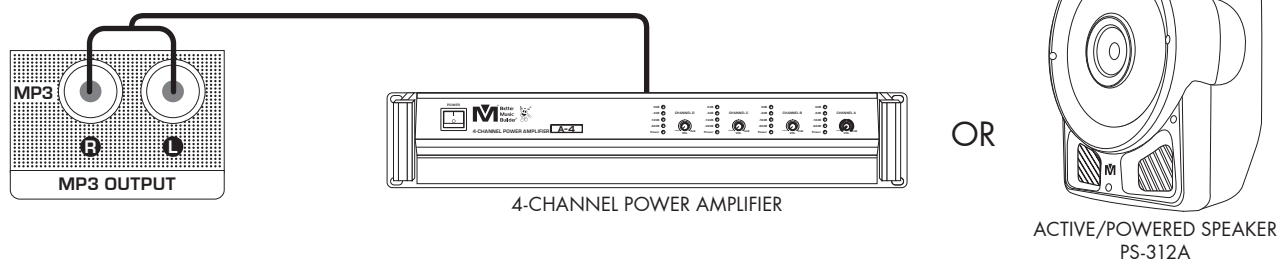
CONNECTING THE MAIN SPEAKER

DX-388 G3 is capable of driving four main speakers, which are grouped in Group A and Group B. We recommend you using different size of speakers for Group A (10-inch woofer or bigger) and Group B (6-inch woofer). Under this arrangement, Group A speaker can produce greater bass music output while Group B speaker can produce clear

vocal. The mixing of music and vocal is important to produce quality sound for singing. Therefore, the audience can feel different effects from Group A and Group B speakers. You can also adjust the vocal on both speakers, or you can adjust the vocal in either speaker by adjusting the balance.

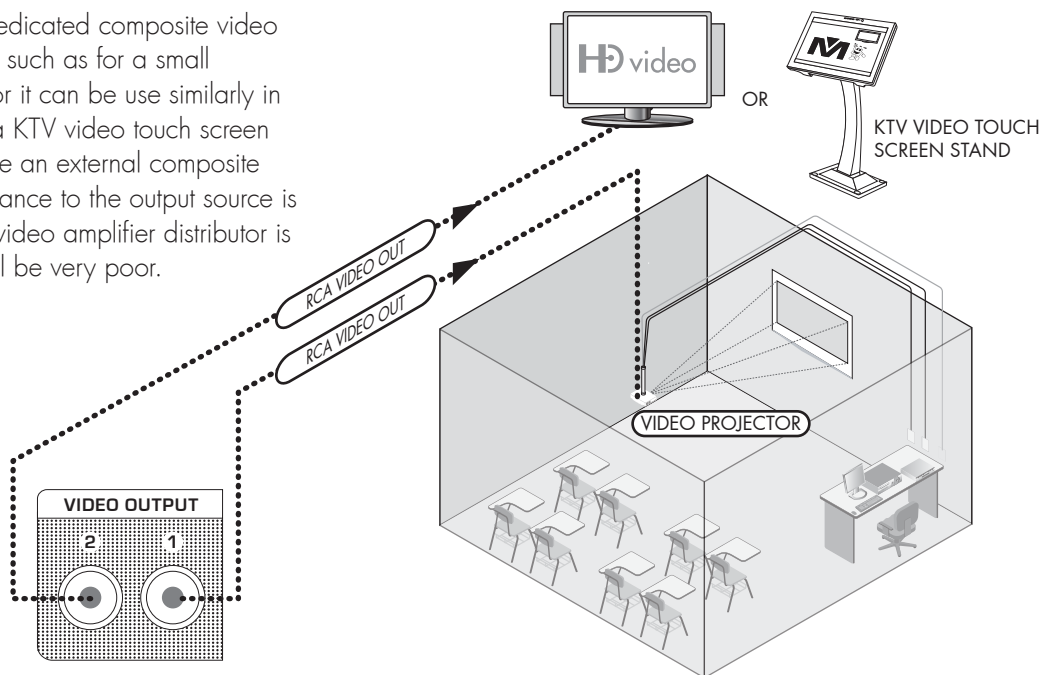


CONNECTING THE MP3 OUTPUT SOURCE



CONNECTING THE VIDEO OUTPUT SOURCE

The DX-388 G3 comes with 2 dedicated composite video output. Typical connection usage such as for a small classroom show in the diagram or it can be use similarly in connecting to the amplifier with a KTV video touch screen stand. If 3 or more is needed, use an external composite video distributor. If the wiring distance to the output source is more than 25 feet, a composite video amplifier distributor is needed; otherwise, the video will be very poor.

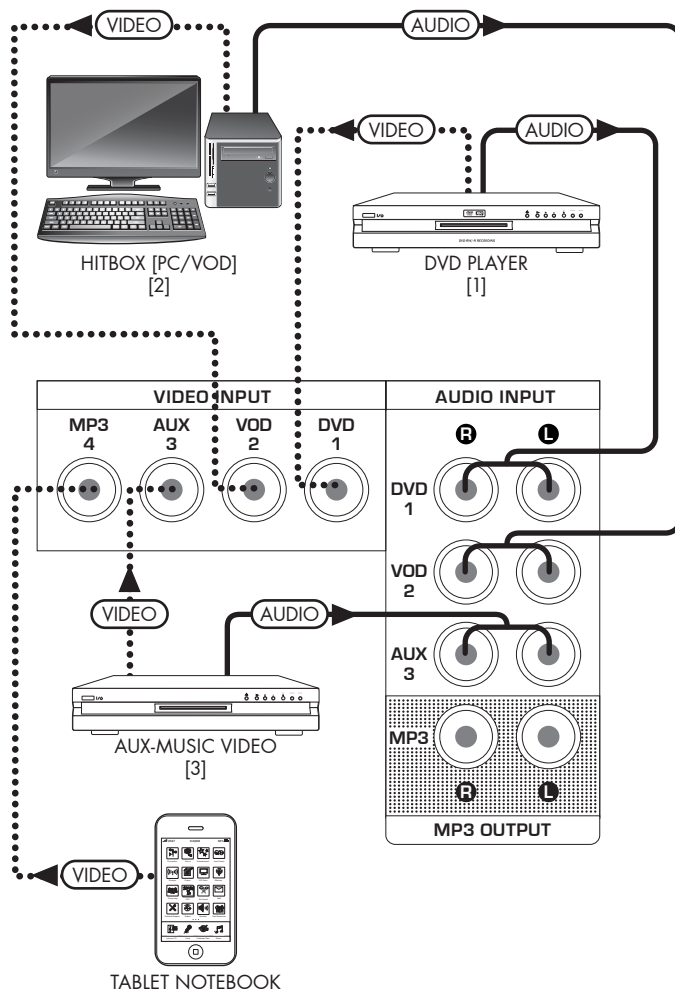


CONNECTING THE AUDIO/VIDEO INPUT SOURCE

Before connecting the source (i.e. DVD, VOD, AUX & MP3), turn off the power for all machine, so it would protect electric shock and prevent damage to the equipment. To connect the AV source, first is to connect the audio source to the mixer input, then connect the video source. Please refer to the following diagram. To ensure high quality sound and video, we recommend using high quality cables and connectors.

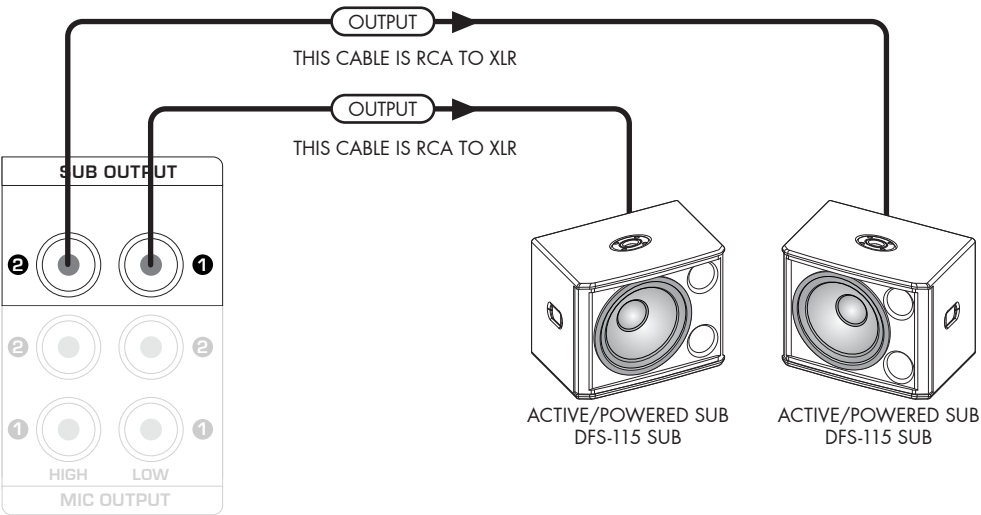
VOD stands for Video On Demand. It is a type of player with built-in hard drive capable of storing huge amount of songs and videos. VOD is an all inclusive software and hardware management tools. It is controlled by a computer which contains all the song/video data. The VOD is capable of handling all 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 ➤ All songs copyright have to been consented before installed into VOD. 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.



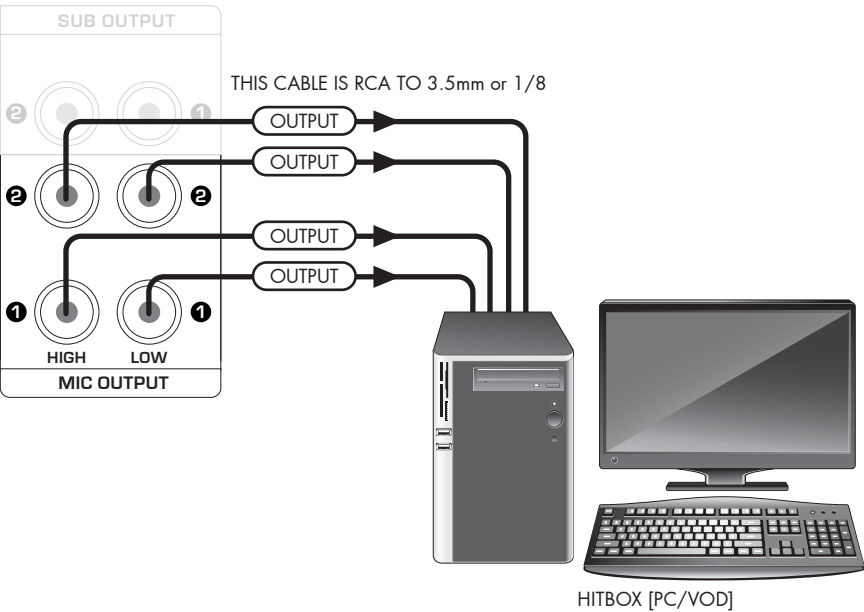
CONNECTING THE SUBWOOFER OUTPUT

When connecting a subwoofer to the SUB OUTPUT, be sure to use Active/Powered subwoofer and not Passive/Non-powered subwoofer.



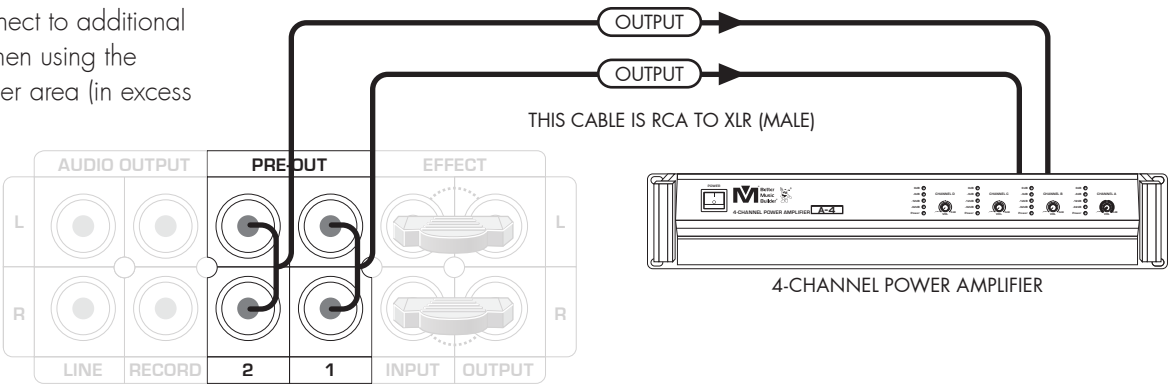
CONNECTING THE MICROPHONE OUTPUT

To use the MIC OUTPUT connection, VOD must have a scoring system preinstalled.

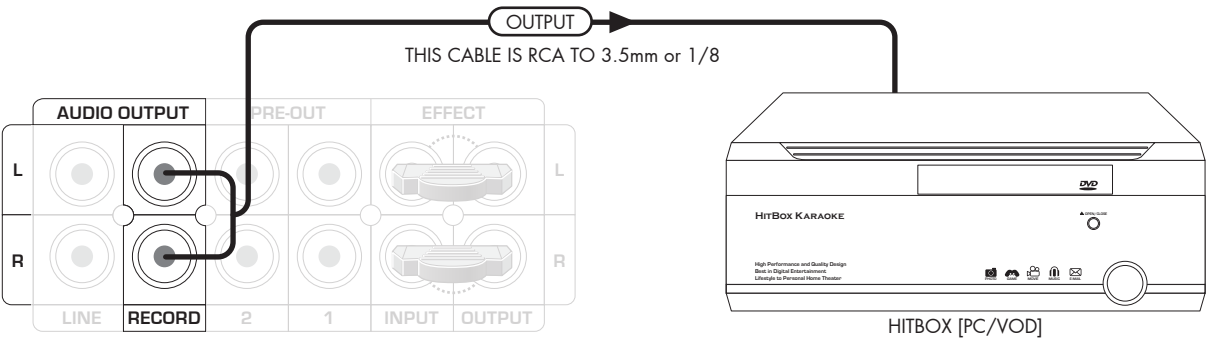


CONNECTING THE PRE-OUT

Use PRE-OUT to connect to additional power amplifier(s) when using the DX-388 G3 in a larger area (in excess of 800 square feet).

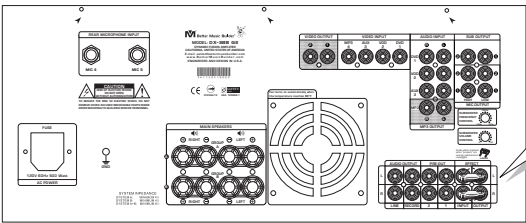


CONNECTING THE AUDIO RECORD OUTPUT

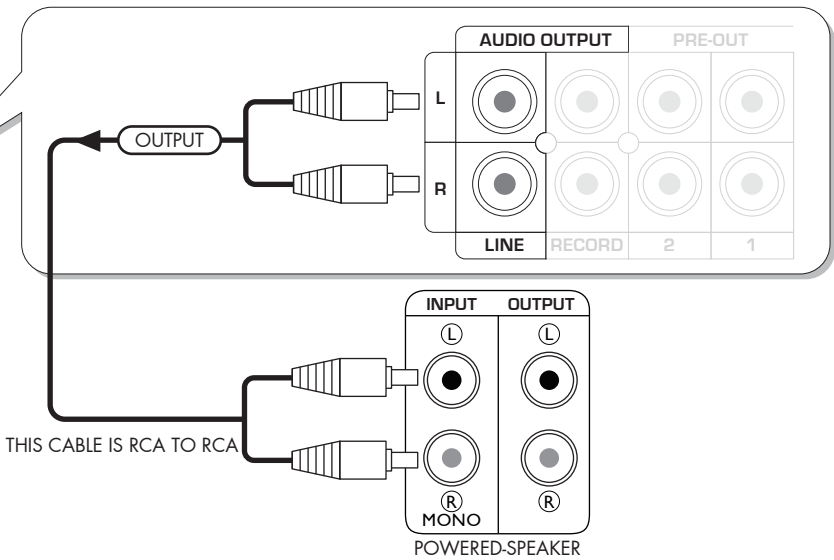


CONNECTING THE AUDIO LINE OUTPUT

DX-388 G3 REAR VIEW

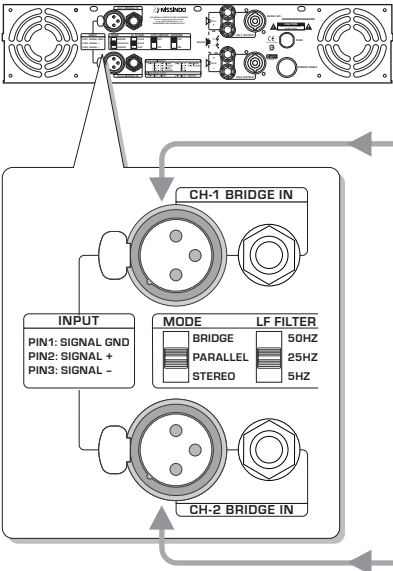


The "LINE" of the Audio Output is used to connect to external amplifier(s) or powered-speaker to drive monitor speakers (i.e. left and right) to monitor the singer's vocal. The "MONITOR" out has independent adjustments on the front panel. You can adjust music and microphone volumes independently.



CONNECTING THE AUDIO LINE OUTPUT

POWER AMP REAR VIEW

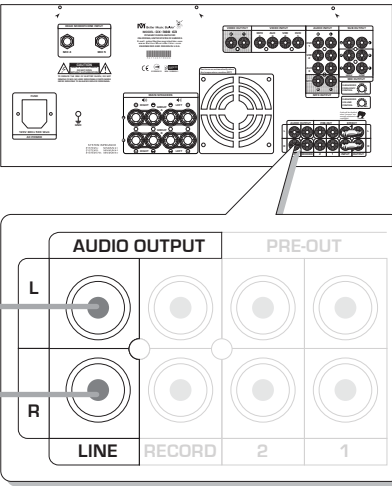


The Audio 1/4" unbalanced cable is a standard audio signal connection. The XLR balanced cable is a higher signal quality connection which we strongly recommend for best audio performance. However, both types of connection **CAN NOT** be connected at the same time.

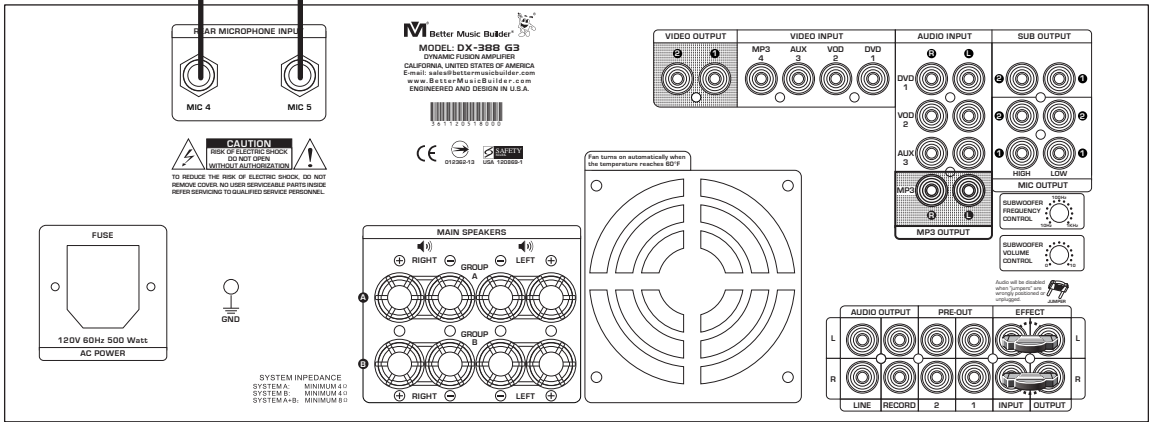
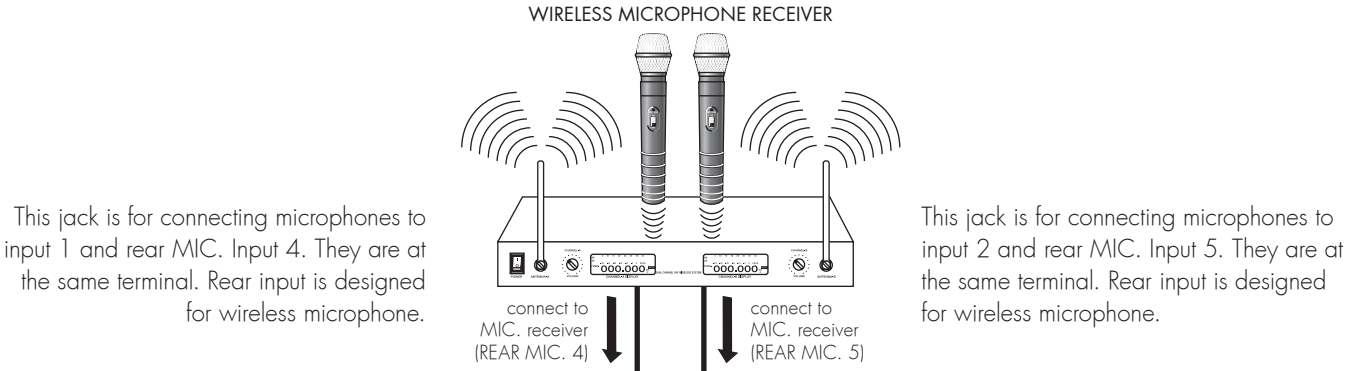
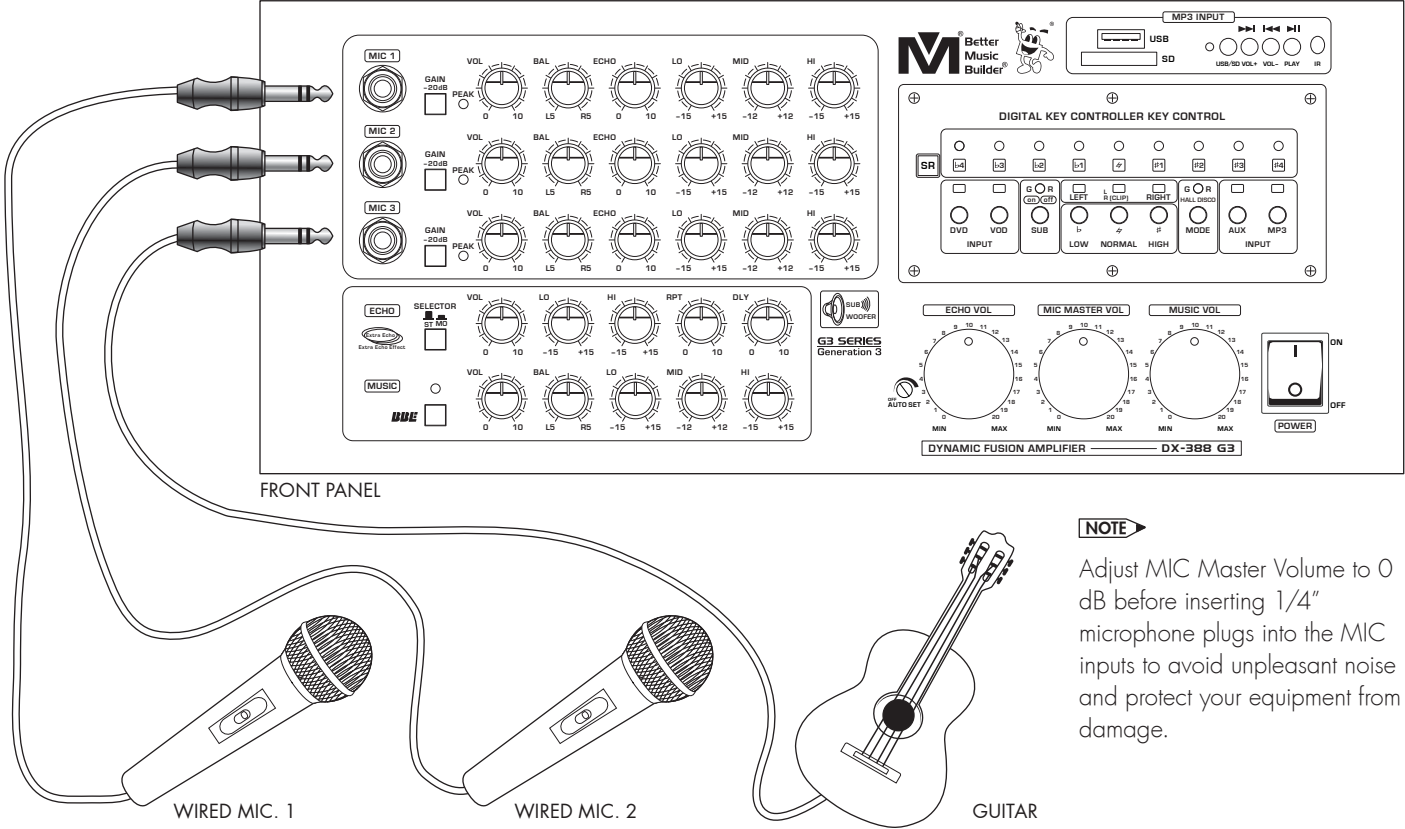
THIS CABLE IS XLR (MALE) TO RCA
AUDIO (XLR) BALANCE OUTPUT



DX-388 G3 REAR VIEW



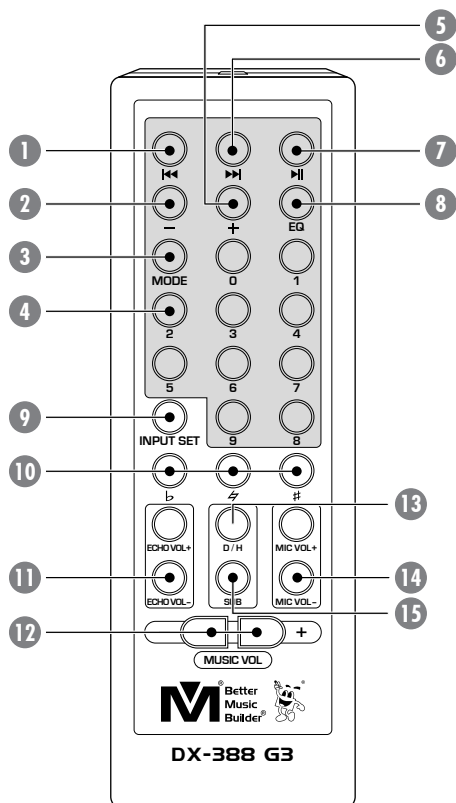
CONNECTING THE MICROPHONE OR GUITAR





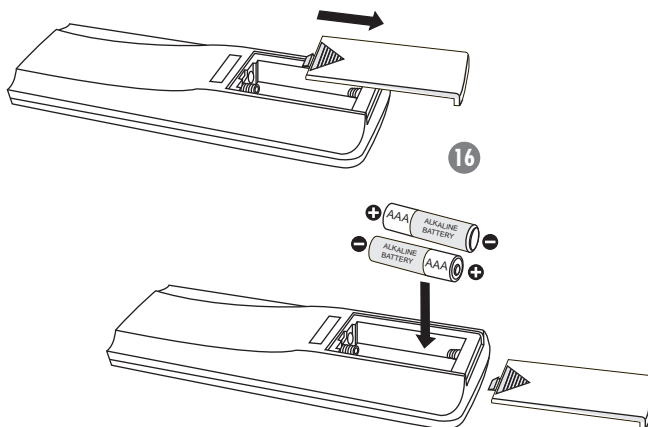
CONTROLS AND FUNCTIONS

AMPLIFIER REMOTE CONTROL:

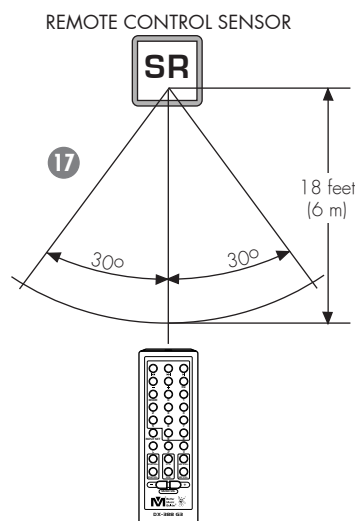


- 1 **MP3 REMOTE: BACK FORWARD BUTTON**
- 2 **MP3 REMOTE: DECREASE VOLUME BUTTON**
- 3 **MP3 REMOTE: USB/SD SWITCH MODE**
- 4 **MP3 REMOTE: PRESS 0~9 TO SELECT TRACK**
- 5 **MP3 REMOTE: INCREASE VOLUME BUTTON**
- 6 **MP3 REMOTE: FAST FORWARD BUTTON**
- 7 **MP3 REMOTE: PLAY/PAUSE BUTTON**
- 8 **MP3 REMOTE: EQ SOUND EFFECT**
- 9 **INPUT SELECTION: DVD, VOD, AUX, MP3**
Press this button to manual select the input source.
- 10 **KEY CONTROL: ♭ LOW, ♮ NATURAL, # HIGH**
Controls the music key.
- 11 **ECHO VOLUME**
Echo Volume control from 00 to 90.
- 12 **MUSIC MASTER VOLUME**
Music Master Volume control from 00 to 90.

- 13 **DISCO/HALL SWITCH MODE**
Music settings for disco and hall use.
- 14 **MICROPHONE MASTER VOLUME**
Microphone Master Volume control from 00 to 90.
- 15 **SUBWOOFER ON/OFF CONTROL**
Turns subwoofer On and Off.

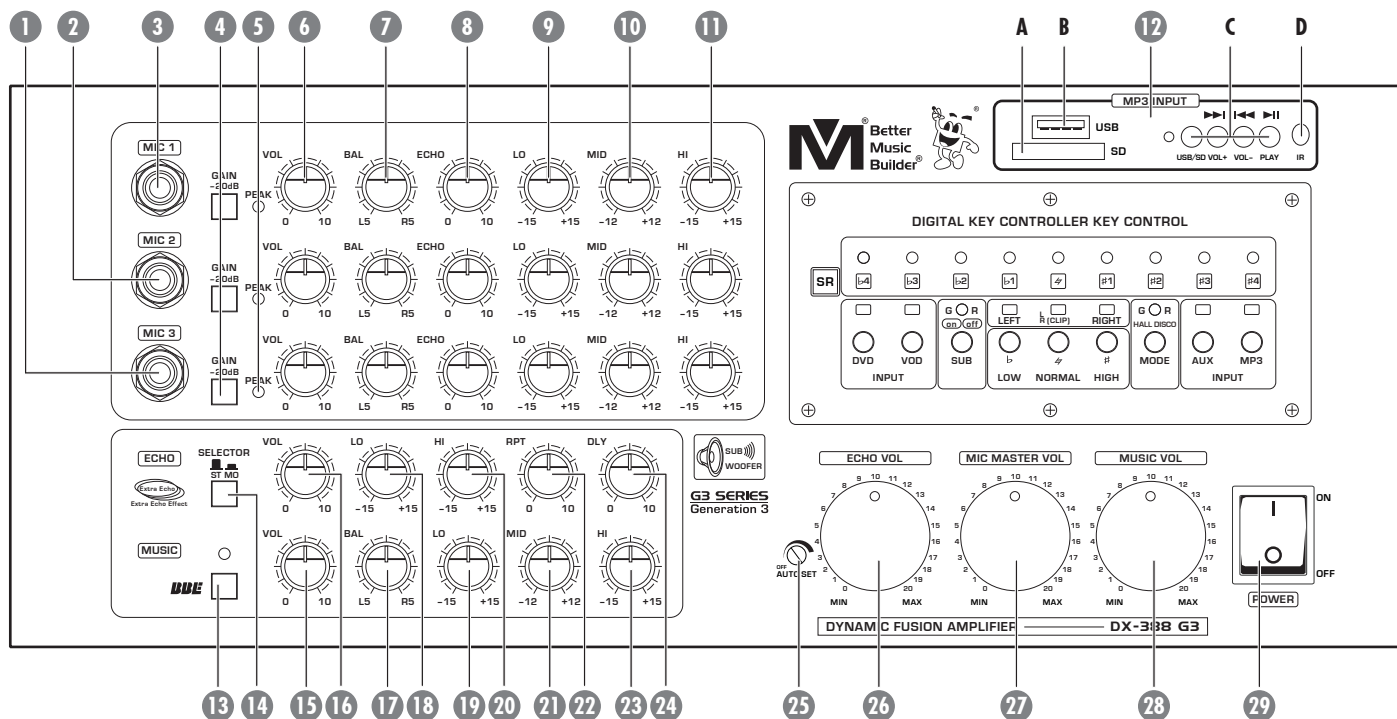


- 16 **INSERTING BATTERIES**
Open the battery compartment cover on the back of the remote control unit. The cover should open easily if you press on in with your thumb while sliding it in the direction of the arrow. Insert two AAA batteries as shown and slide the cover back on.
- 17 **USING THE REMOTE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



FRONT PANEL:

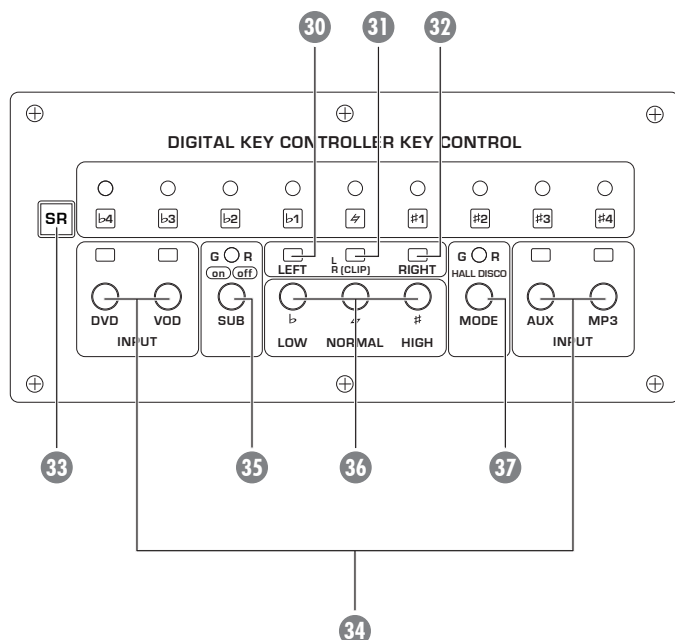
- 1 MIC. 3 INPUT (1/4 inch SLOT)**
This jack is only for microphone input 3.
- 2 MIC. 2 INPUT (1/4 inch SLOT)**
This jack is for connecting microphones to input 2 and rear MIC. Input 5.
- 3 MIC. 1 INPUT (1/4 inch SLOT)**
This jack is for connecting microphones to input 1 and rear MIC. Input 4.
- 4 MIC. GAIN SWITCH KEY**
Turn it on to increase the microphone signal level to -20 dB. Turn it off to decrease the microphone signal level to normal.
- 5 MIC. SIGNAL LIGHT**
When it receives an audio signal at or above 0 dB automatically on. Signal will appear on the meters.
- 6 MIC. (VOL) VOLUME CONTROL**
Adjusts the microphone volume.
- 7 MIC. (BAL) BALANCE CONTROL**
Adjusts the microphone signal for left and right speakers.
- 8 MIC. ECHO VOLUME CONTROL**
Adjusts the microphone echo effect EQ response.
- 9 MIC. (LO) LOW CONTROL**
Adjusts the microphone low frequency EQ response.
- 10 MIC. (MID) MIDDLE CONTROL**
Adjusts the microphone middle frequency EQ response.
- 11 MIC. (HI) HIGH CONTROL**
Adjusts the microphone high frequency EQ response.
- 12 MP3 INPUT**
A. SD CARD READER SLOT
B. USB SLOT
C. CONTROL FUNCTIONS
D. INFRARED SENSOR FOR REMOTE CONTROL
- 13 BBE EFFECT**
Turn it on to increase the output signal. Turn it off to decrease the output signal to normal. BBE is a sound enhancement technology.
- 14 STEREO OR MONO SELECTOR**
Adjusts the echo stereo or mono.



FRONT PANEL (CONTINUES):

- 15 MUSIC VOLUME CONTROL**
Adjusts the music volume level.
- 16 ECHO VOLUME CONTROL**
Adjusts the echo volume level. It will be affected all MIC.
- 17 MUSIC (BAL) BALANCE CONTROL**
Adjusts the music balance signal for left and right speakers.
- 18 ECHO (LO) LOW FREQUENCY CONTROL**
Adjusts the low frequency EQ response.
- 19 MUSIC (LO) LOW FREQUENCY CONTROL**
Adjusts the low frequency EQ response.
- 20 ECHO (HI) HIGH FREQUENCY CONTROL**
Adjusts the high frequency EQ response.
- 21 MUSIC (MID) MIDDLE FREQUENCY CONTROL**
Adjusts the middle frequency EQ response.
- 22 ECHO (RPT) REPEAT CONTROL**
Adjusts the echo decay time of the echo effect for the sound channels.
- 23 MUSIC (HI) HIGH CONTROL**
Adjusts the high frequency EQ response.
- 24 ECHO (DLY) DELAY CONTROL**
Adjusts the echo delay time of the echo effect for the sound channels.
- 25 AUTO SET**
Automatically resets to desired level for MUSIC VOL, MIC MASTER VOL, and ECHO VOL.
- 26 ECHO VOLUME CONTROL**
To adjust the echo volume for all microphones. The volume level starts from 1 to 20 units (not the dB level).
- 27 MIC. MASTER VOLUME CONTROL**
To control all microphones output level. The volume level starts from 1 to 20 units (not the dB level).
- 28 MUSIC VOLUME CONTROL**
This control allows you to adjust the volume of the musical source. The volume level starts from 1 to 20 units (not the dB level).
- 29 POWER SWITCH ON/OFF**

FRONT PANEL: MUSIC KEY CONTROL INPUT SELECT



- 30 LEFT CHANNEL SIGNAL INDICATOR**
- 31 LEFT AND RIGHT CHANNEL DISTORTION INDICATOR**
Indicates overload; distortion may occur.
- 32 RIGHT CHANNEL SIGNAL INDICATOR**
- 33 INFRARED SENSOR FOR REMOTE CONTROL**
- 34 INPUT SELECTION: DVD, VOD, AUX, MP3**
- 35 SUBWOOFER ON/OFF CONTROL**
Turns subwoofer On and Off mostly used on for music off for karaoke. This is dynamic fusion function.
- 36 KEY CONTROL: ♭ LOW, ♮ NATURAL, # HIGH**
Controls the music key.
- 37 HALL/DISCO SWITCH MODE**
Music settings for hall and disco use. This is dynamic fusion function.

REAR PANEL:

35 REAR MICROPHONE INPUTS (1/4 inch SLOT)

Share the same microphone gain controls with MIC 1 and MIC 2 of front panel.

36 VIDEO MONITOR OUTPUT TERMINAL

37 VIDEO INPUT TERMINAL

4 video input sources: DVD[1], VOD[2], AUX[3] & MP3[4]

38 AUDIO INPUT TERMINAL

4 audio input sources: DVD[1], VOD[2], AUX[3]

39 MP3 OUTPUT TERMINAL

It outputs to power amplifier or active/powerd speaker.

40 SUBWOOFER OUTPUT TERMINAL

41 MICROPHONE OUTPUT TERMINAL

This is a vocal signal out to scoring system. This function is designed for KTV business.

42 AC-POWER

USE SWITCH TO SELECT PROPER INPUT VOLTAGE:

Use either 115V or 230V based on your region. An adapter might be necessary if you live outside North America. If the wrong voltage is selected, amplifier will not work while LED lights may still be on.

43 MAIN RIGHT SPEAKER POWERED OUTPUT TERMINAL

Dedicated Group-A & Group-B main right channel Powered Output.

44 MAIN LEFT SPEAKER POWERED OUTPUT TERMINAL

Dedicated Group-A & Group-B main left channel Powered Output.

45 LOW NOISE DUAL UNITS COOLING FAN

46 RCA CONNECTOR OUT TO BRIDGE AMPLIFIER

47 AUDIO RECORDER OUTPUT TERMINAL

This output is not for amplifier or home theater receiver.

48 PRE-OUT TERMINAL

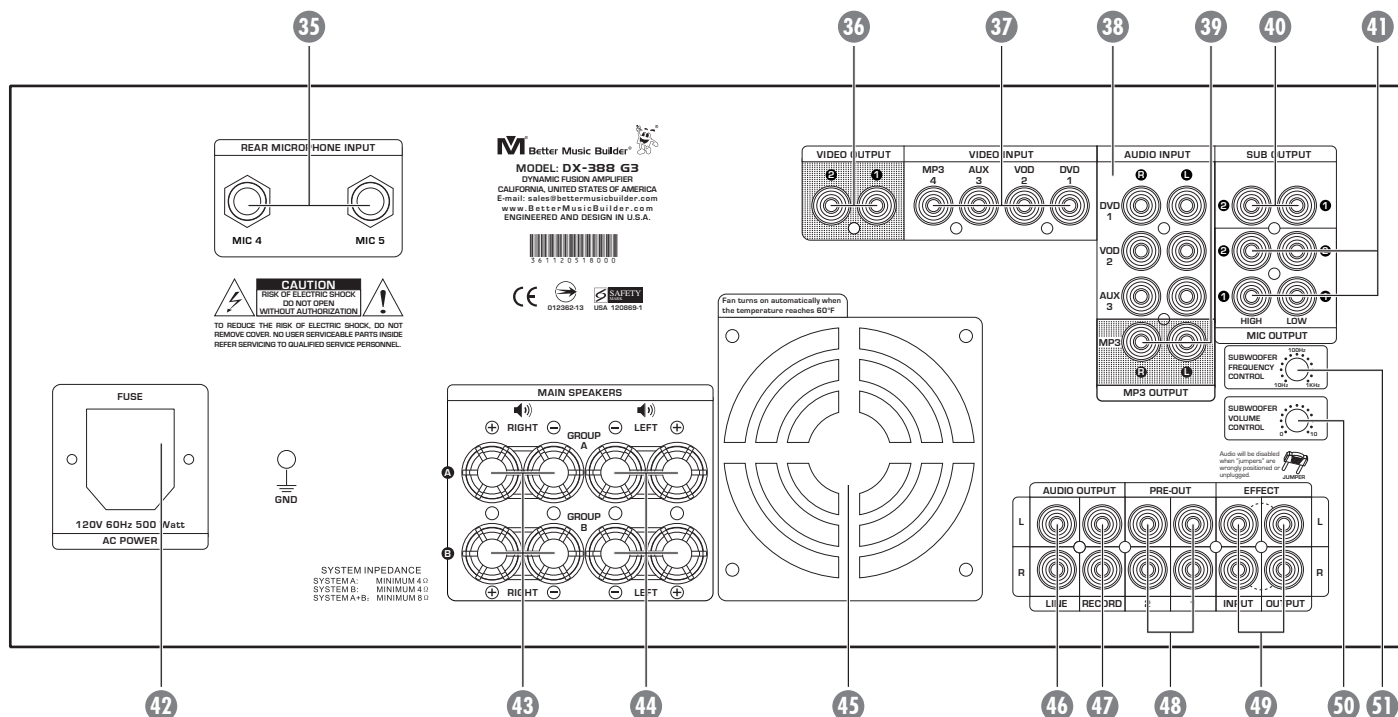
This output is for equalizer or processor.

49 SOUND EFFECT INPUT AND OUTPUT

Enable connection to reverberation unit, equalizer and other assisting sound sources. Do not take off the "jumpers" if do not use the jacks. Audio will be disabled when "jumpers" are wrongly positioned or unplugged.

50 SUBWOOFER VOLUME CONTROL

51 SUBWOOFER FREQUENCY CONTROL





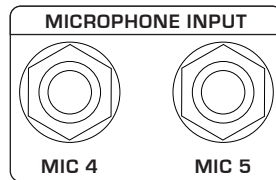
OPERATION

FRONT PANEL OPERATION

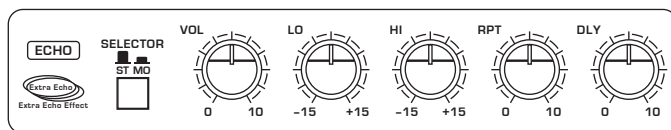
MICROPHONE INPUT

There are three microphone inputs jacks (1/4" unbalanced) in the front panel.

There are two microphone inputs jacks (1/4" unbalanced) in the rear panel.

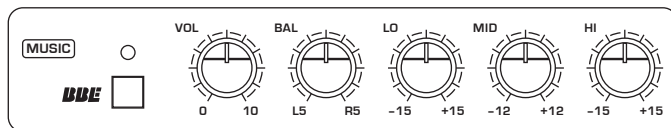


ECHO EFFECT



This ECHO EFFECT control can adjust special effects for microphone vocal only such as Repeat (RPT), Delay (DLY), Low (LO) and High (HI) and Volume (VOL).

MUSIC TONE



Music tone adjustment can be made at the front panel. Please refer to the following. The MUSIC tone has a balance adjustment for left and right signals.

HI-EQ

This control provides from -15 dB to + 15 dB of boost or cut, and it is also flat at the detent. Use it to add sizzle to cymbals or an overall sense of transparency or edge to keyboards, vocals, guitar, and bacon frying.

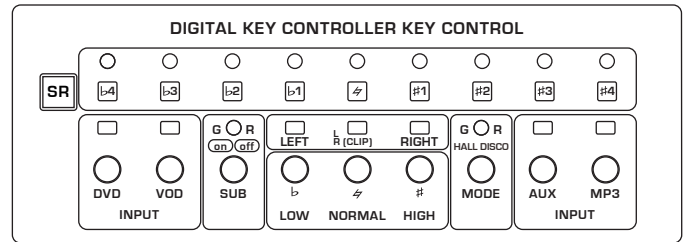
MID-EQ

Short for "midrange," it provides from -12 dB to +12 dB of boost or cut, also flat at the center detent. Midrange EQ is often considered the most dynamic because the frequencies that define any particular sound are almost always found in this range.

LOW-EQ

This control provides from -15 dB to + 15 dB of boost. The circuit is flat (no boost or cut) at the center detent position. This frequency represents the punch in bass drums, bass guitar, fat synch patches, and high-testosterone male singers.

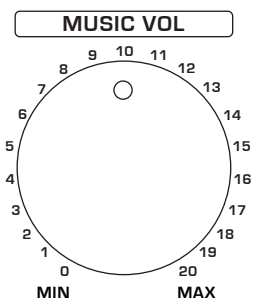
MUSIC KEY CONTROL



Adjust the music key for Karaoke singing. Increase the music keys from #1 to #4 and decrease the music keys from b1 to b4.

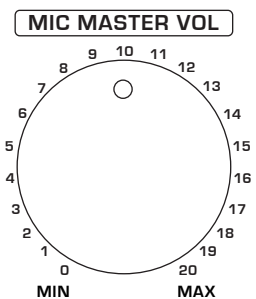
ADJUSTING THE MUSIC VOLUME

This knob controls the volume for MUSIC. Slowly turn the knob clockwise to increase and counter clockwise to decrease the music volume.



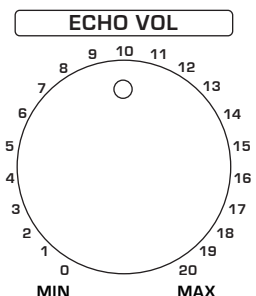
ADJUSTING THE MIC MASTER VOLUME

This knob controls the volume for MICROPHONE. Slowly 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. Slowly turn the knob clockwise to increase and counter clockwise to decrease the echo volume.

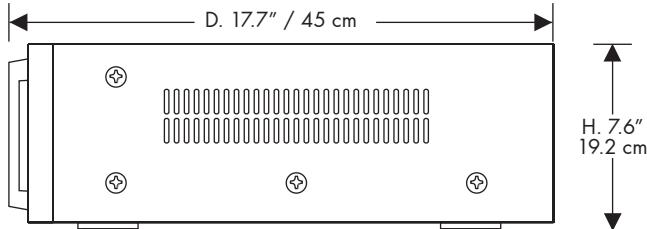




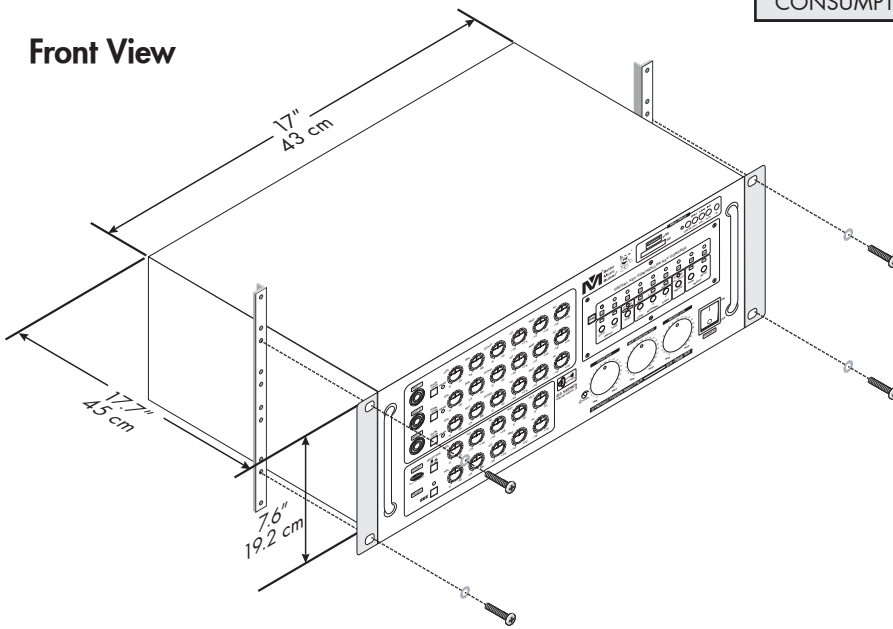
PHYSICAL DIMENSIONS

NET WEIGHT	34.4 lbs / 15.6 Kg
SHIPPING WEIGHT	42.2 lbs / 19.1 Kg
DIMENSIONS (WxHxD)	17x7.6x17.7 in / 43x19.2x45 cm
PACKING DIMENSIONS (WxHxD)	21.3x11x22.4 in / 54x28x57 cm

Side View

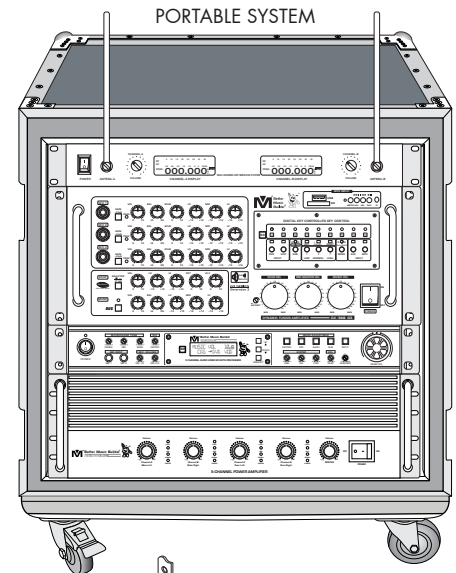


Front View



SPECIFICATIONS

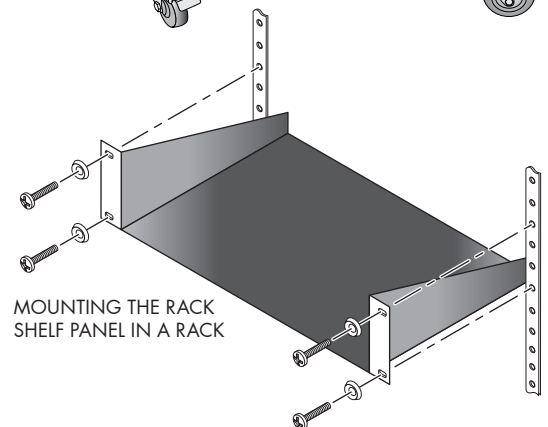
POWER OUTPUT	200W+200W (8 ohm), 300W+300W (4 ohm)
TONE ELECTRICAL CIRCUIT	BASS Control: 100Hz \pm 12dB MID Control: 1kHz \pm 12dB TREBLE Control: 10kHz \pm 12dB
DIGITAL ECHO	Up to 300ms
VIDEO INPUT/OUTPUT	1Vp-p / 75 ohm
INPUT SENSITIVITY/IMPEDANCE	160 Mv / 47K ohm
MIC SENSITIVITY	20mV / 600 ohm
FREQUENCY RESPONSE	20Hz~20KHz \pm 1.5dB
THD	(1KHz, 8ohm) <0.1%
S/N RATIO	>74.5dB
POWER CONSUMPTION	120V 50Hz/60Hz, 700Watts



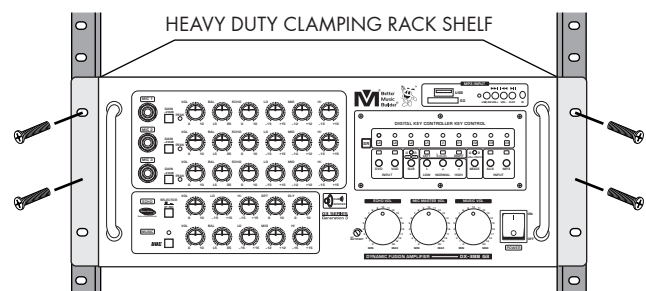
OPTIONAL 19" RACK MOUNT KIT

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. MUSIC VOLUME IS TOO LOW

CAUSE: the music volume limiter is set too low.

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

2. MICROPHONE VOLUME IS TOO LOW

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

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

3. NO SOUND FROM SUBWOOFER

CAUSE: SUB is turn 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.

4. NO SOUND FROM MICROPHONE

REMEDY:

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

5. 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.

6. NO VIDEO SIGNAL OR VIDEO SIGNAL IS UNSTABLE

DX-388 G3 operates in multi-video formats. It is possible that your DVD player is in PAL video format. NTSC video format is used in North America. Therefore, you must set the video format to NTSC in the remote controller of the DVD player.

DVD PLAYER VIDEO SETTING		
TV Display	PS	Normal/PS Normal/LB Wide
TV Type	NTSC	PAL Multi NTSC (Good for Northern America)
TV Output	SVideo	YUV (High Definition Video) SVideo

7. BASS ON VOCAL SOUND IS NOT CLEAR

When you sing or make an announcement with the microphone, there is too much bass. You may connect to the subwoofer improperly. It is because the SUB OUT of this unit has two different functions: Music for bass and missing for music and vocal.

8. 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.

9. 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.

10. VIDEO IS FLICKERING

REMEDY:

- Check to see if the AV cable is damaged or not.
- Use a better AV cable.
- We recommend you to connect videos to the TV or monitor directly for best results.

11. 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.

12. POWER CAN NOT BE TURNED ON

REMEDY:

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

13. PROTECTION FOR AUDIO/VIDEO EQUIPMENT

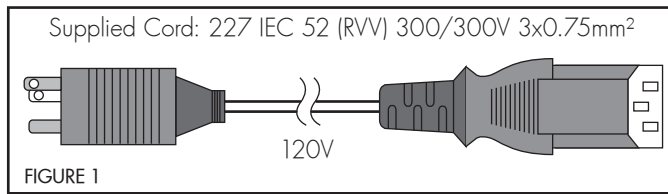
Before you hook up or disconnect any audio/video equipment, you must turn off the power for all equipment. Otherwise, it may cause black spots to appear on the LCD or Plasma TV screen.

14. AMPLIFIER SHUT DOWN/INTERFERENCE NOISE

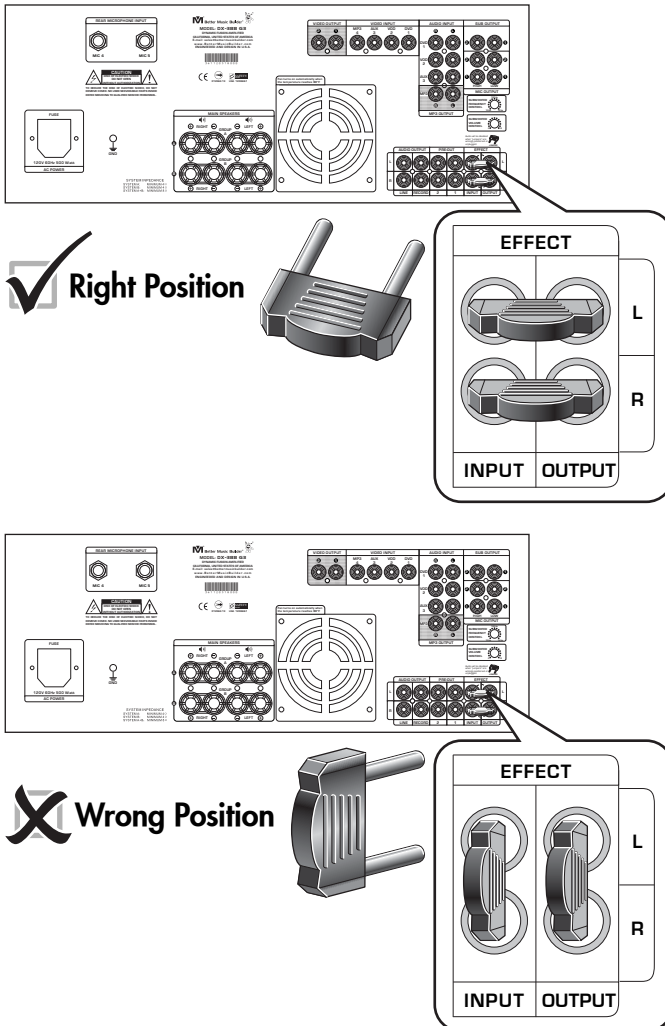
CAUSE: the amplifier turned on but there is no music coming out from the speaker powered output channels.

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

This unit comes with multiple switchable AC-power. For North America its 115V and for Asia and Europe markets are 230V. See illustration below for the proper switching of the AC-power supply level.

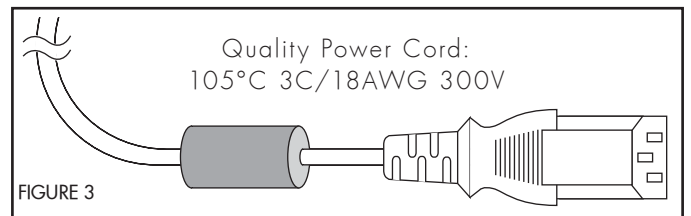
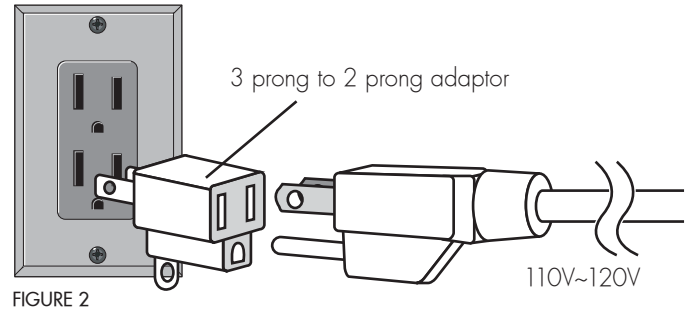


15. HUMMING NOISE



16. 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.



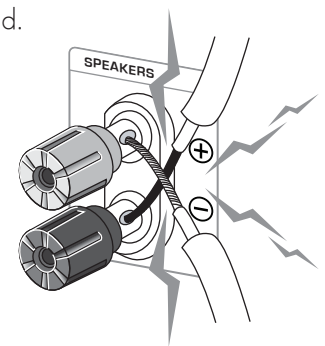
NOTE

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 3 may help eliminate the humming sound and enhance TV picture quality.

17. SOUND PROBLEM: no sound.

REMEDY:

Speaker wires positive and negative touch each other at the terminals. We recommend you using the double banana plug.





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(B급)의 전자파차폐등급을 한 기가도저 수 (가정용 방송통신기기)	로 가전에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용 가능 수 있습니다.
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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 you to hire 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 tip 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" in 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 AC powers 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 cable quality would affect the microphone effects, picture quality, or even cause the machine to shut down suddenly.

Again, we must thank you for choosing Better Music Builder product. 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



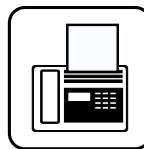
BETTER MUSIC BUILDER
29300 Kohoutek Way #150
Union City, CA 94587
U.S.A.

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 _____

MAINTENANCE

NOTE

[illegible]

MAINTENANCE

NOTE

[illegible]



Passionate about Music
www.BetterMusicBuilder.com

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.

