

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

CPU INTEGRATED MIXING AMPLIFIER

DX-288 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

Better Music Builder DX-288 G3 Mixing Amplifier, a 3rd Generation Series, is the most advanced mixing amplifier we've ever built. It uses the latest CPU technology and expansive memory capacity to provide much more detailed options and features, which include individualized microphone setup, 3 adjustable digital sound effects, the ability to lock on personal favorite settings, and built-in microphone Feedback Destroyer and digital equalizer. The CPU Integrated Mixing Amplifier is all about being connected. In addition to having the capability to access and control the effects of the amplifier through the "Effect Control Software Suite" software, we went one step further with the DX-288 G3 Mixing Amplifier. Utilizing the new USB connection, users can now dive into their computer's hard-drive to unearth their favorite tunes and videos! Another new feature, for all the DJ fans out there, is the added headphone jack input to monitor customized effects. And last but not least, adding an input for popular devices such as an iPhone or an Android seems like a no-brainer.

The Series' distinguished 5-D PRO Audio Technology enables the set up of 2 main and 2 rear speakers with 1 additional center speaker for vocal monitoring. To handle the intensive high-power output demand of the DX-288 G3 Mixing Amplifier, Smart Quiet Fan turns on automatically when it senses high temperature to keep the machine running cool and prolong life.

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

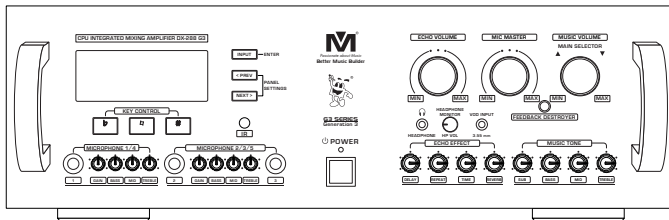


SYSTEM FEATURES

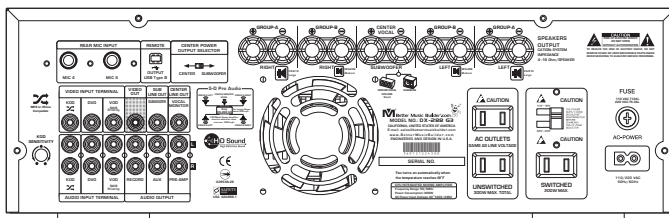
CPU INTEGRATED MIXING AMPLIFIER

- Remote access via computer through USB connection.
- Stereo headphone connection to allow monitoring effects.
- 3.55 mm audio input for your favorite mobile devices such as smart phones and tablets.
- DSP (Digital Signal Processing) technology customized by Better Music Builder.
- 5-D PRO Audio 900 Watts Max Power.
- 3/5 + 1 (subwoofer) audio distributions.
- Full reverberation effects with Microphone reverb, echo, delay, and repeat adjustments.
- Dedicated 3 channels Power Output plus full array of Line Outputs which includes: record output, line output, pre-output, bass output, center channel output.
- Dedicated wireless microphone connection input in 2 groups. The volume of each group can be adjusted separately, with each group provides +/- 8dB adjustment for treble, median, and bass.
- Independent Master and Microphone maximum volume locking.
- Built-in Subwoofer and Center output stereo crossover with independently adjusted volume and cut-off frequency control from 20 Hz ~ 240 Hz.
- High-performance 24-bit dual-engine Feedback Destroyer.
- Full computerized Smart Auto Input Switching (SAIS) feature for source input selection.
- Music modulation with 9-step key control and preset effects for selection.
- Independently adjusted center speaker control for self vocal monitoring.
- Capable of driving two pairs of main speaker in different size to cover the whole frequency spectrum.
- Three extra AC power outlets for additional equipment, programmable in both 110V and 220V
- Music "Mute" allows the microphone to be active while the music is off.

5-D PRO Audio **DX-288 G3** Front View



5-D PRO Audio **DX-288 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.

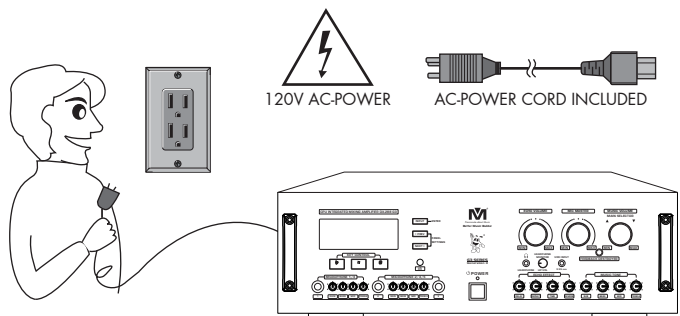
16. Power Precaution: Unplug this product during lightning storms or when unused for long periods of time. Note that this product is not completely disconnected from the AC power source when the power switch is in the OFF position.

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

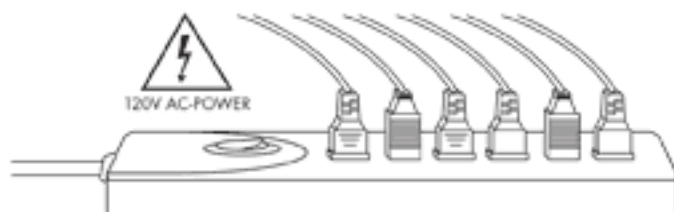
This set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, or other sources, refer to the operating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

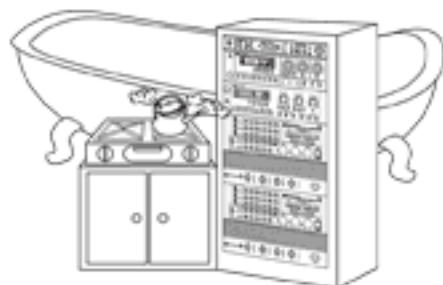


Do not place the set on an unstable cart, stand, tripod, bracket, or table. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart stand tripod, bracket, or table recommended by the manufacturer.

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.



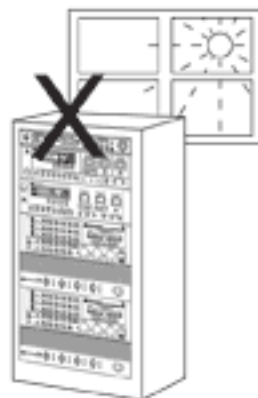
Do not store the electronic equipment near water or area with moisture such as bathroom, kitchen sink, laundry area and swimming pool, etc.



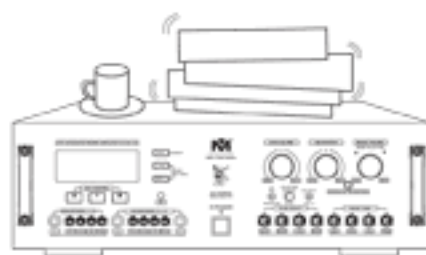
Do not transport the electronic equipment by yourself if its weight exceeds 70 pounds. It is recommended that two people work together to transport the equipment or by using hand truck and the like.



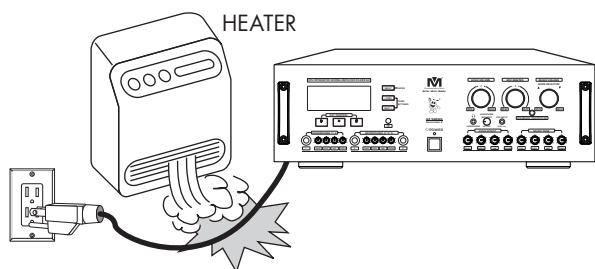
Do not place the electronic equipment directly under sunlight or close to the window. It may cause overheat on the electronic equipment by the sunlight.



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.

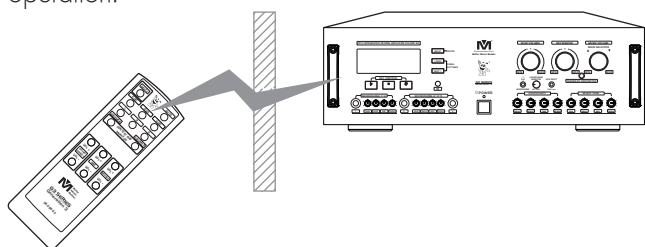


Do not place the electronic equipment near heat sources such as stoves, radiators and heaters, etc. Placing the electronic equipment too near to these heat sources would result in damaging the equipment and causing fire.



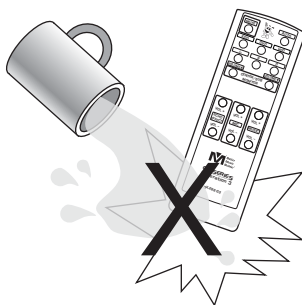
Using the Remote Control Unit

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.



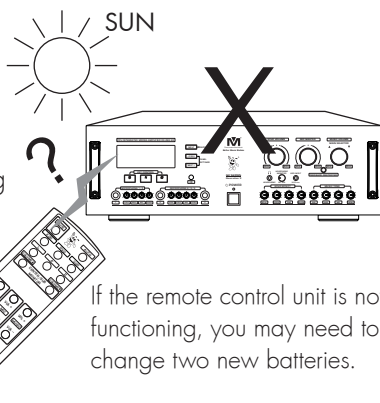
Cautions Regarding the Remote Control Unit

- 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.

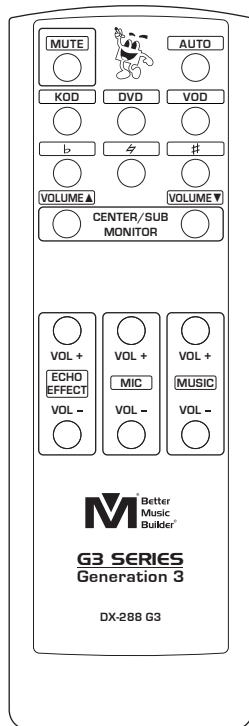


If the remote control unit is not functioning, you may need to change two new batteries.

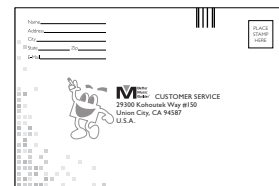


PACKAGE ACCESSORIES

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



REMOTE CONTROL ONE UNIT



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.

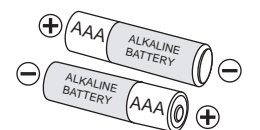


SOFTWARE CD

Note: For a full content and/or latest updates of our Effect Control Software Suite, please go to our website download area.



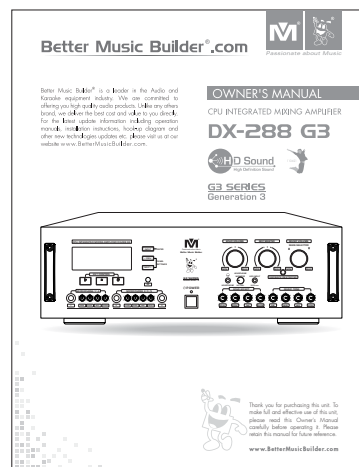
USB A~B CABLE



BATTERY SIZE: AAA (R6 1.5 V)



AC POWER CABLE (6 FEET)
UNITED STATES (2M) TO IEC (F)



OWNER'S MANUAL

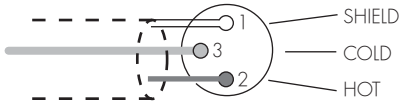


SPEAKER CONNECTION METHODS AND INFORMATION

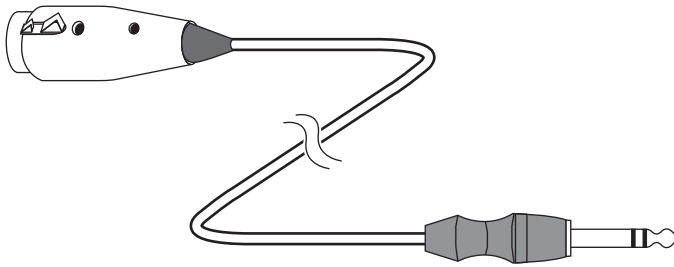
CONNECTOR INFORMATION

Balanced XLR Connectors

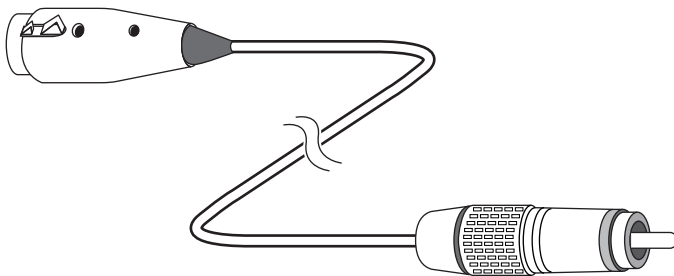
	XLR	TRS
Hot (+)	Pin 2	Tip
Cold (-)	Pin 3	Ring
Shield (Ground)	Pin 1	Shield



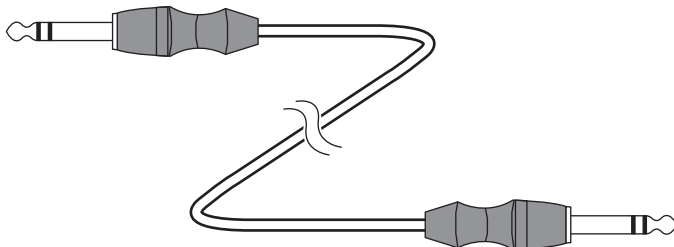
XLR to 1/4" Cable



XLR to RCA Cable

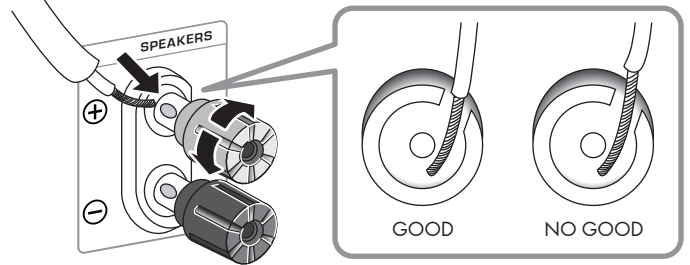


1/4" to 1/4" Cable

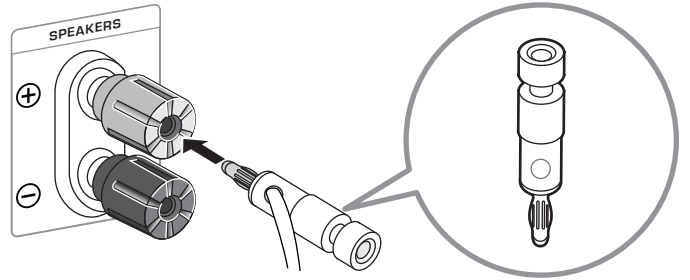


METHODS OF SPEAKER CONNECTION

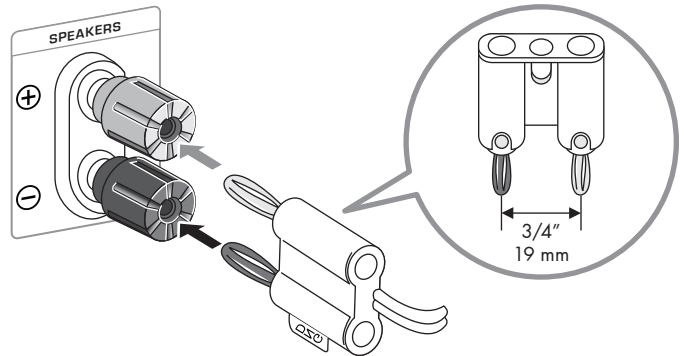
1. Insert Type (Poor Connection)



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.

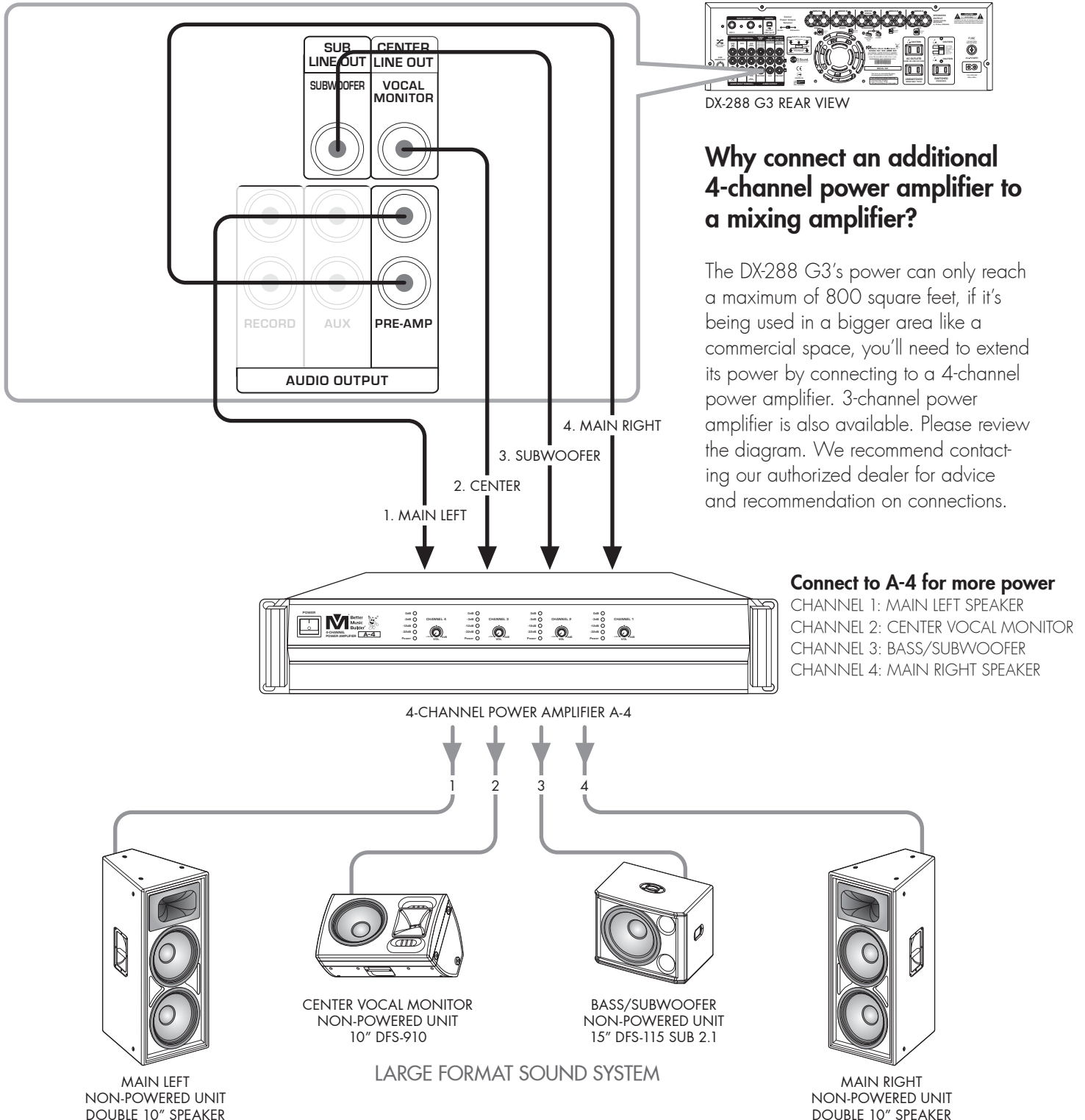


SYSTEM APPLICATIONS

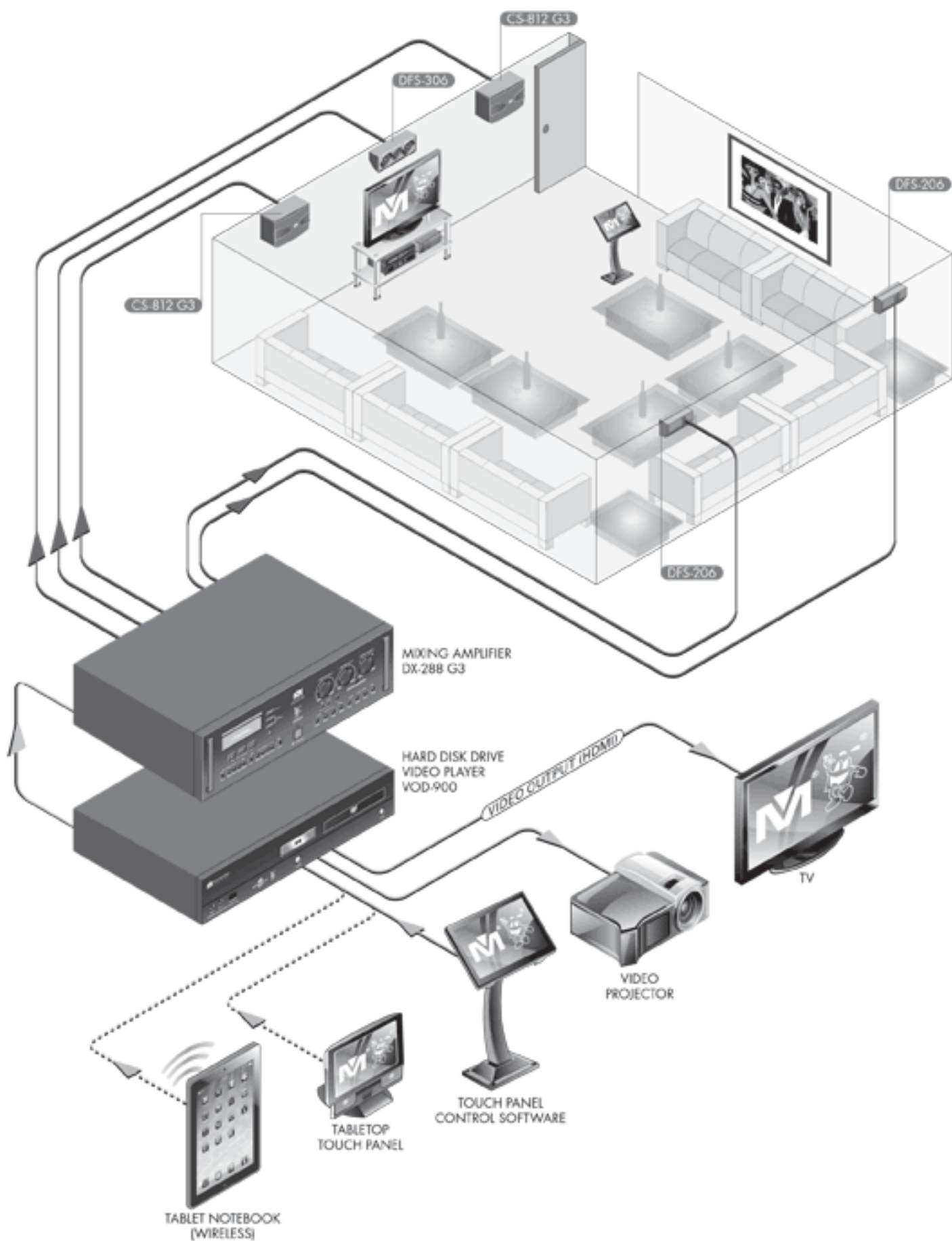
PRE-AMP EXTENSION FOR LARGE FORMAT SOUND SYSTEM

The DX-288 G3 Mixing Amplifier has many innovative features that others don't have. The unit comes fully packed with features such as crossover, key control, and feedback destroyer. DX-288 G3 is an excellent professional amplifier

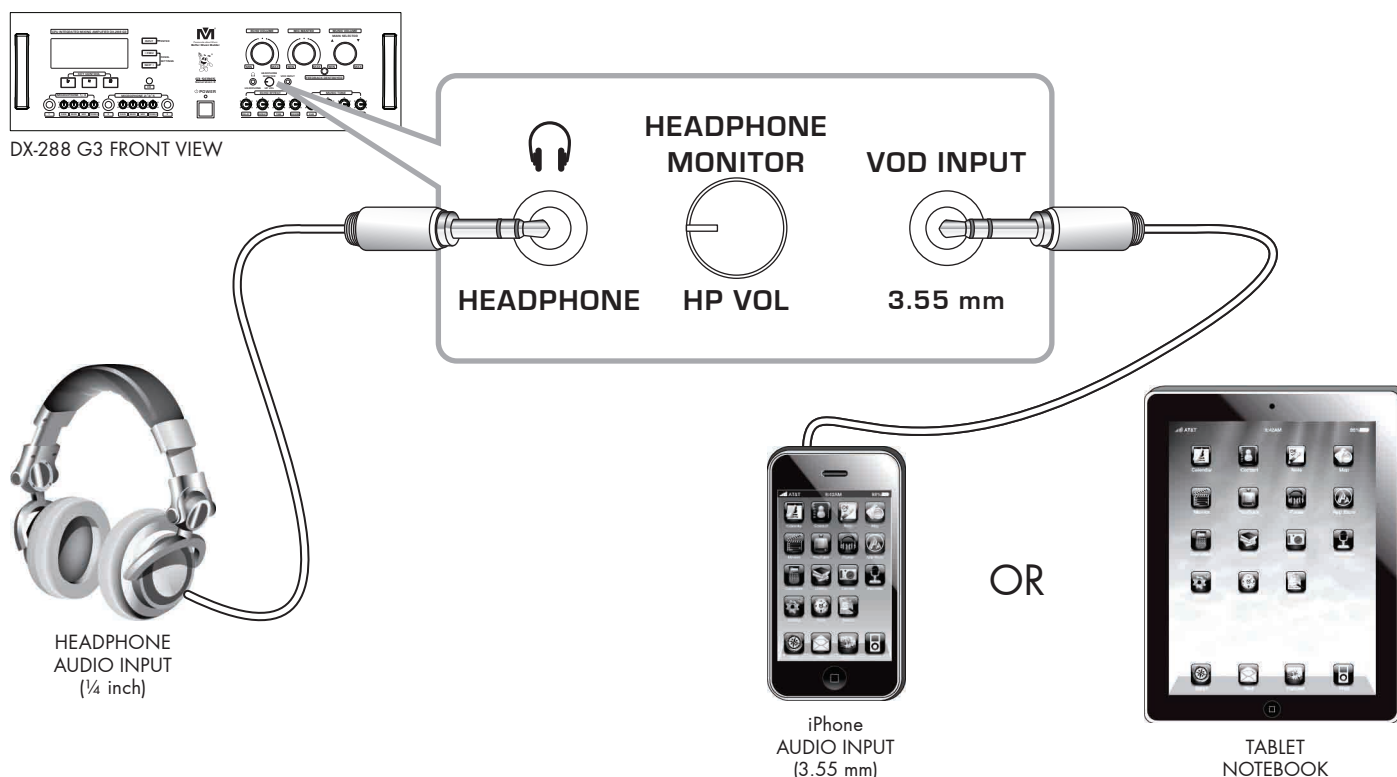
with power output of 900 watts. It's perfect for karaoke and DJ. Using the pre-amp output offered by the DX-288 G3, you can extend its functions by connecting to other devices to get the full live sound effect. Connections are easy.



5-CHANNEL MIXING AMPLIFIER FOR COMMERCIAL USE



CONNECTING THE VOD INPUT & HEADPHONE INPUT



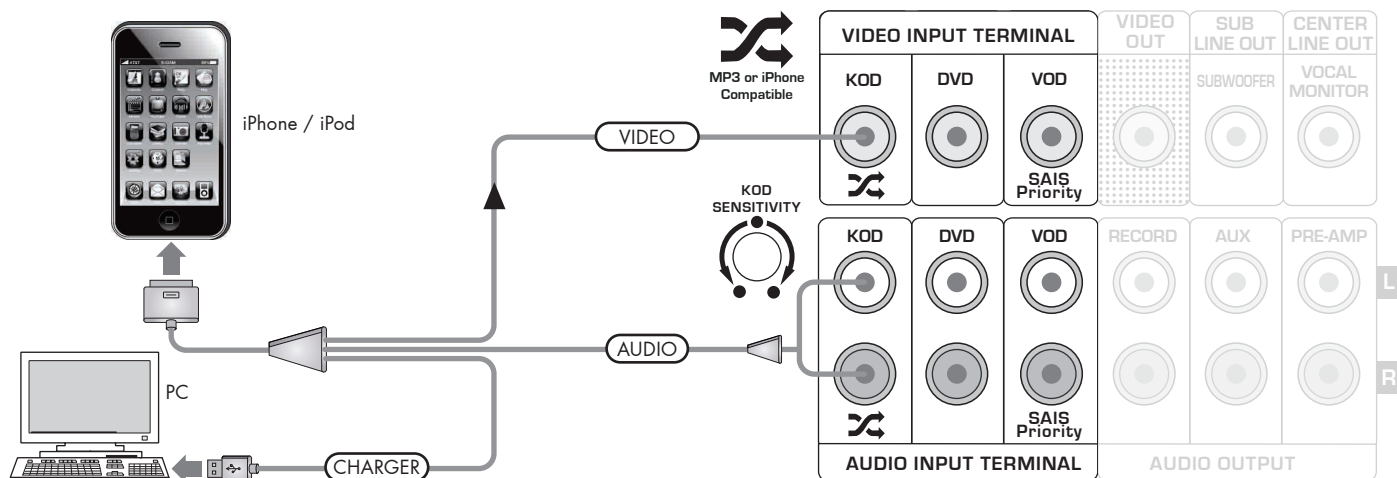
CONNECTING THE iPhone and/or iPod

COMPOSITE AV CONNECTION

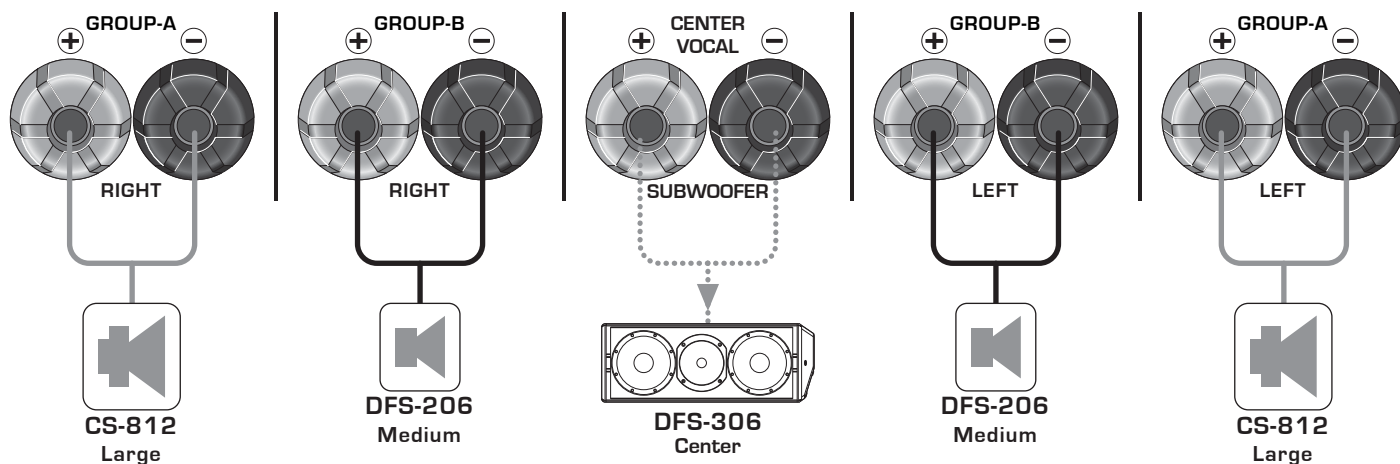
The DX-288 G3 can connect to the Apple iPhone and iPod series composite video with stereo audio with a separate adapter (Apple Composite AV Cable – part # MB129LL, sold by Apple Inc.) via the iPhone or iPod 30-pin output dock connector. Connects the video and audio composite cable accord to the standard Yellow (video), Red (right audio channel) and White (left audio channel) ports.

COMPONENT VIDEO (HD) CONNECTION

For high density video quality, we recommend connecting video source from the apple component AV cable directly from the iPhone or iPod via the 30-pin dock connector and to the HDTV and monitor. The audio component can be connected to DX-288 G3 via the red/white analog audio ports.

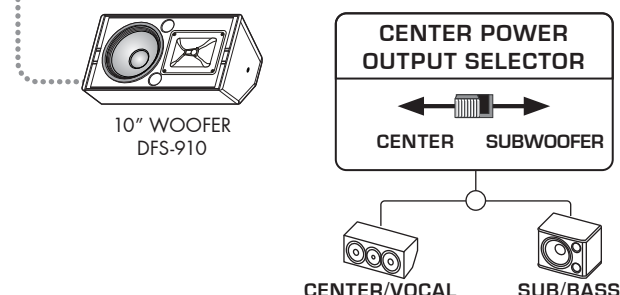


CONNECTING THE SPEAKER WITH 5-D PRO AUDIO



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.

OR

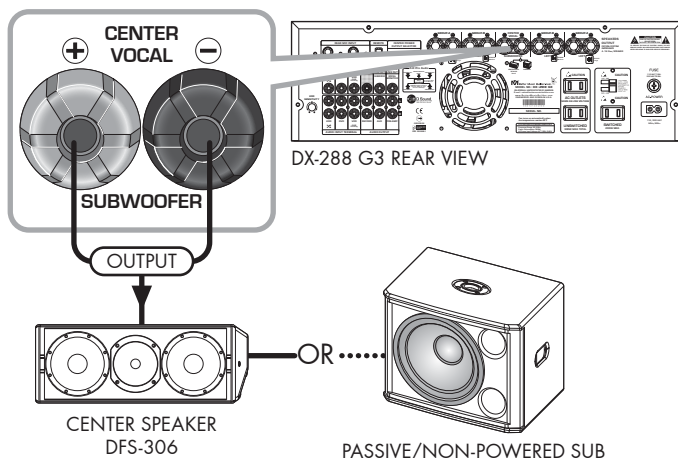


CONNECTING THE CENTER MONITOR SPEAKER

The center monitor speaker is designed for monitoring the singer's voice used in live concert. The DX-288 G3 was design to integrate this concept into the living room, bringing the live vocal sound experience into a single unit. There are two center connections available on the DX-288 G3: Center (vocal) / Subwoofer powered out dual connectors and Vocal Monitor Center line out. The Center (vocal) / Subwoofer powered out dual connectors are power driven. The Vocal Monitor Center line out is not drivable, signal only.

CENTER POWERED OUT

Connect to the Center (vocal) / Subwoofer powered out dual connections in the rear panel of the system. Remember, the

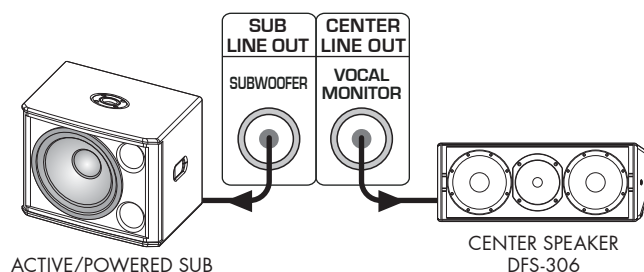


Center Power Output Selector switch must be switched to the "Center" tab. With this connection, the volume for center powered output are being controlled by the Center Volume LCD Control Panel.

CENTER LINE OUT

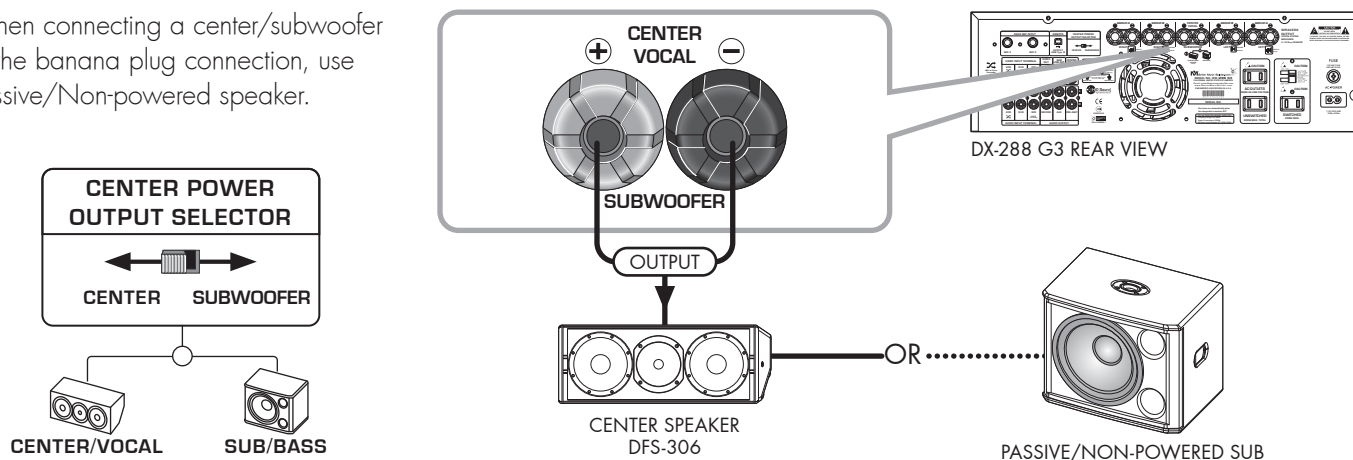
If more power vocal sound is expected/needed to cover large area such as room size greater than 600 sqft., we highly recommend using a Powered Speaker that support the additional 600+ Watt power output or adding an external Power Amplifier stage to support the 600+ Watt power output. With such connection, the DX-288 G3 provides the extra Vocal Monitor Center line out signal specifically for this purpose.

Both the Center (vocal) / Subwoofer powered out and the extra Vocal Monitor Center line out signal volume are controlled by the master Music Volume control.



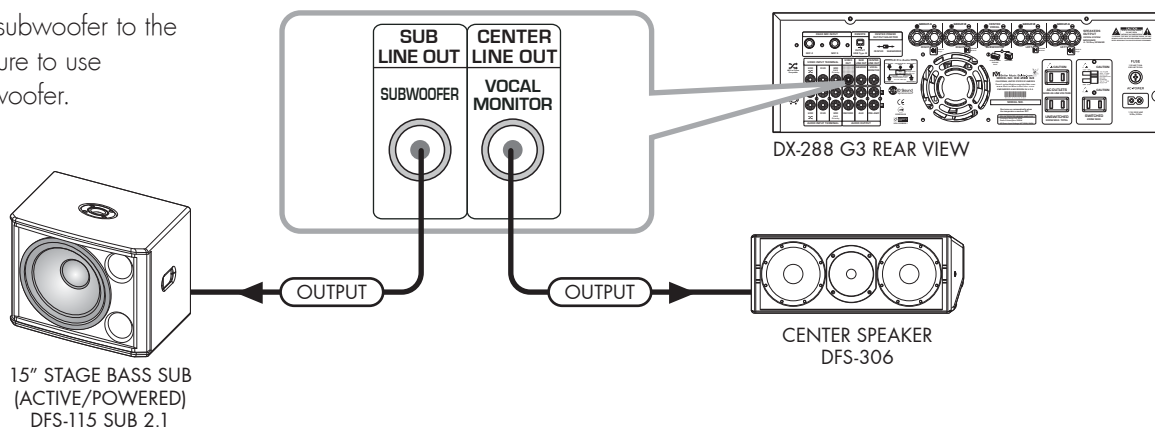
CONNECTING THE SUBWOOFER & CENTER SPEAKER

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



SUB Line Out And Center Line Out

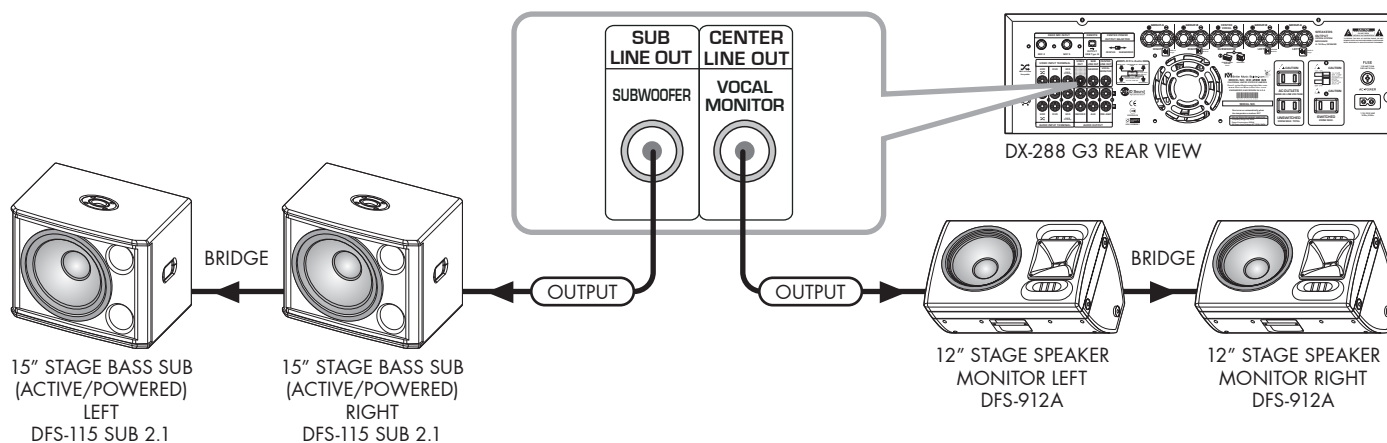
When connecting a subwoofer to the SUB LINE OUT, be sure to use Active/Powered subwoofer.



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-288 G3 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.



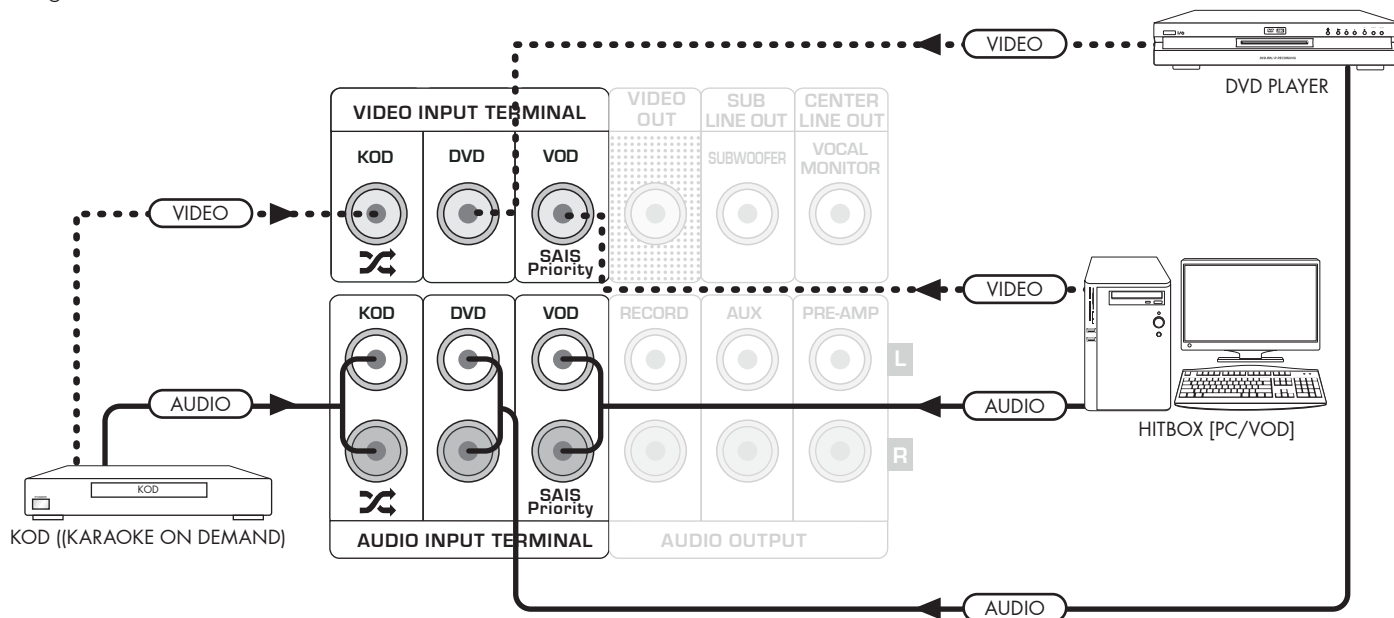
CONNECTING THE AUDIO INPUT SOURCE

Before connecting the source (i.e. KOD, DVD & VOD), 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

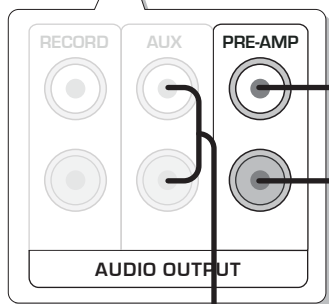
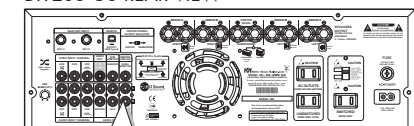
hardware management tools. It is controlled by a computer which contains all the song/video data. The VOD is capable of handling all the accounting management includes food/beverage, hourly room rentals, content and distribution of songs/video on an as needed basis. This is the main workhorse of the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



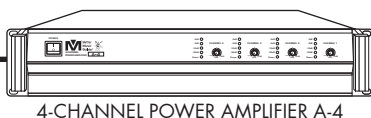
CONNECTING THE POWER AMPLIFIER

DX-288 G3 REAR VIEW

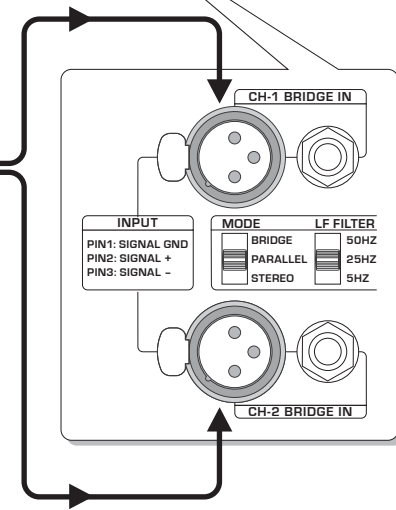


The Audio 1/4" unbalanced cable is a standard audio signal connection. The XLR balanced cable is a higher signal quality connection which we strongly recommend for best audio performance. However, both types of connection **CAN NOT** be connected at the same time.

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

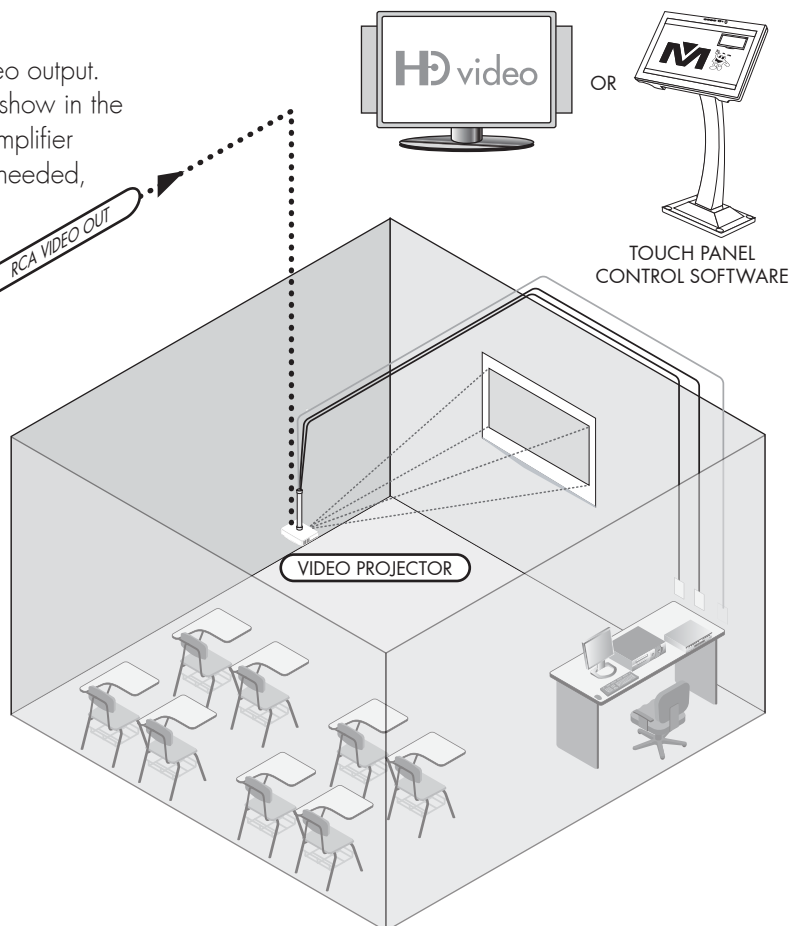
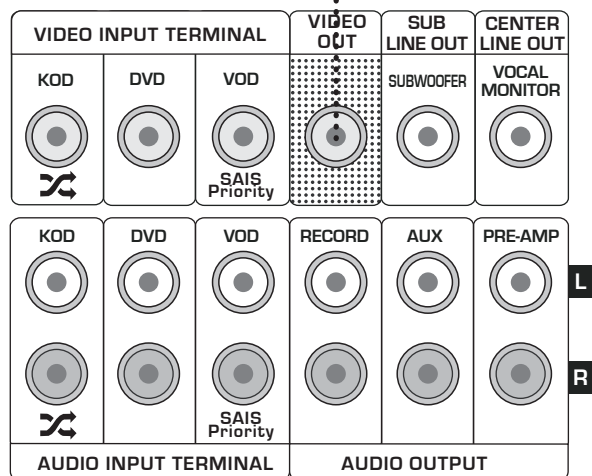


POWER AMPLIFIER REAR VIEW

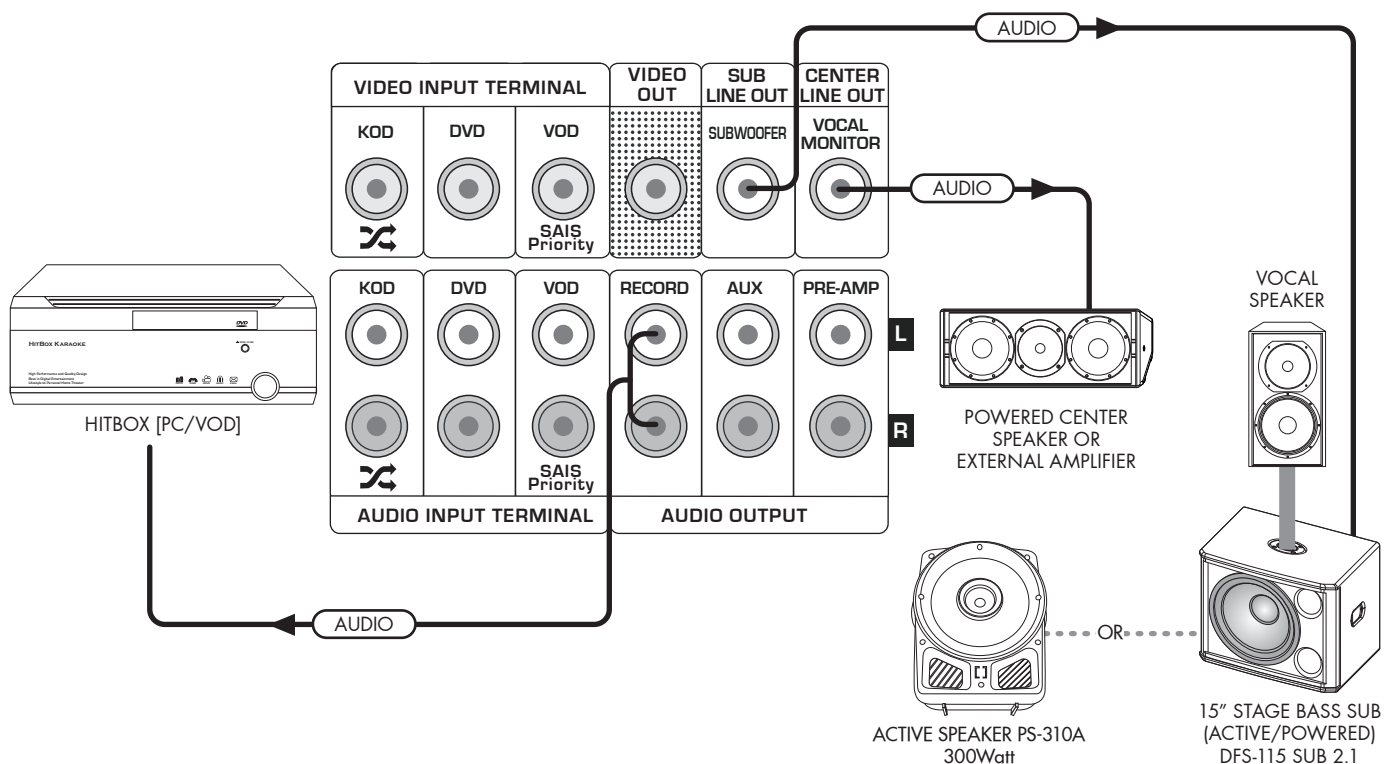


CONNECTING THE VIDEO MONITOR

The DX-288 G3 comes with a 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 2 or 3 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 RECORDER AND SUBWOOFER



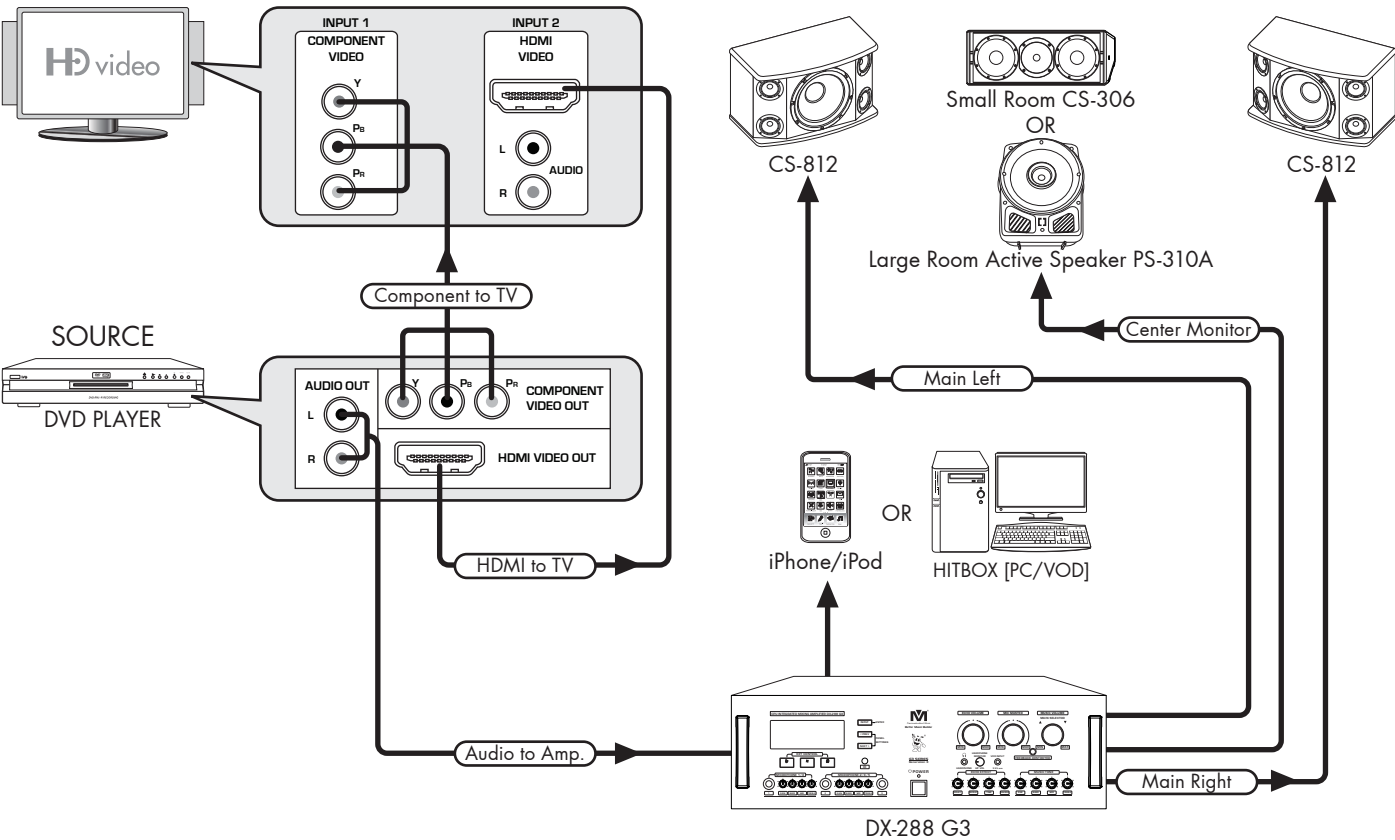
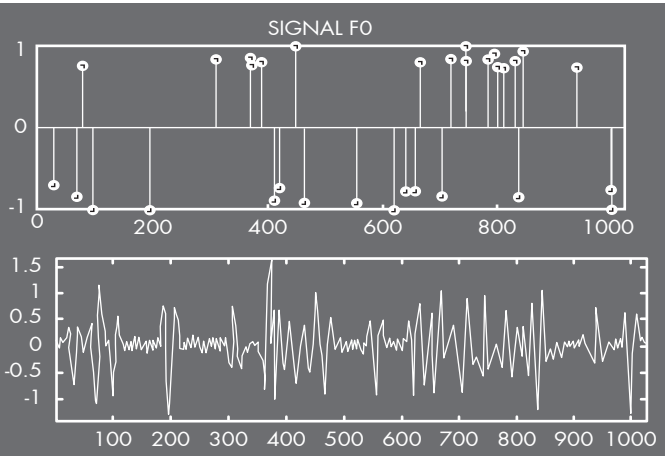
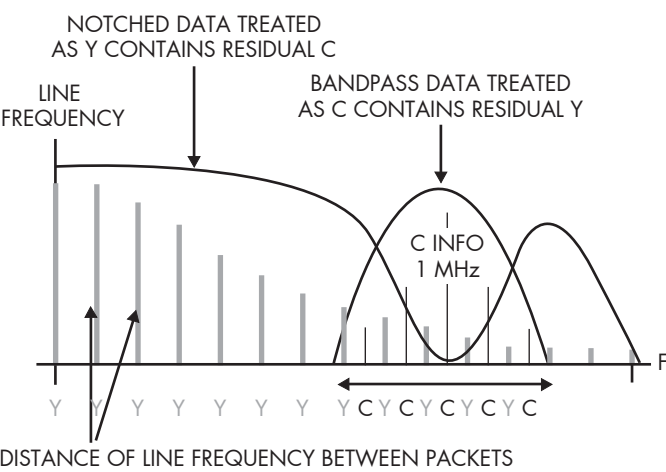
CONNECTING THE WHOLE SYSTEM

The DX-288 G3 was designed to incorporate the highly automated SAIS for composite video at 480i or 576i resolution required by the KTV community as well providing the high power output driving demands required to bring the "Live" performance to the living room.

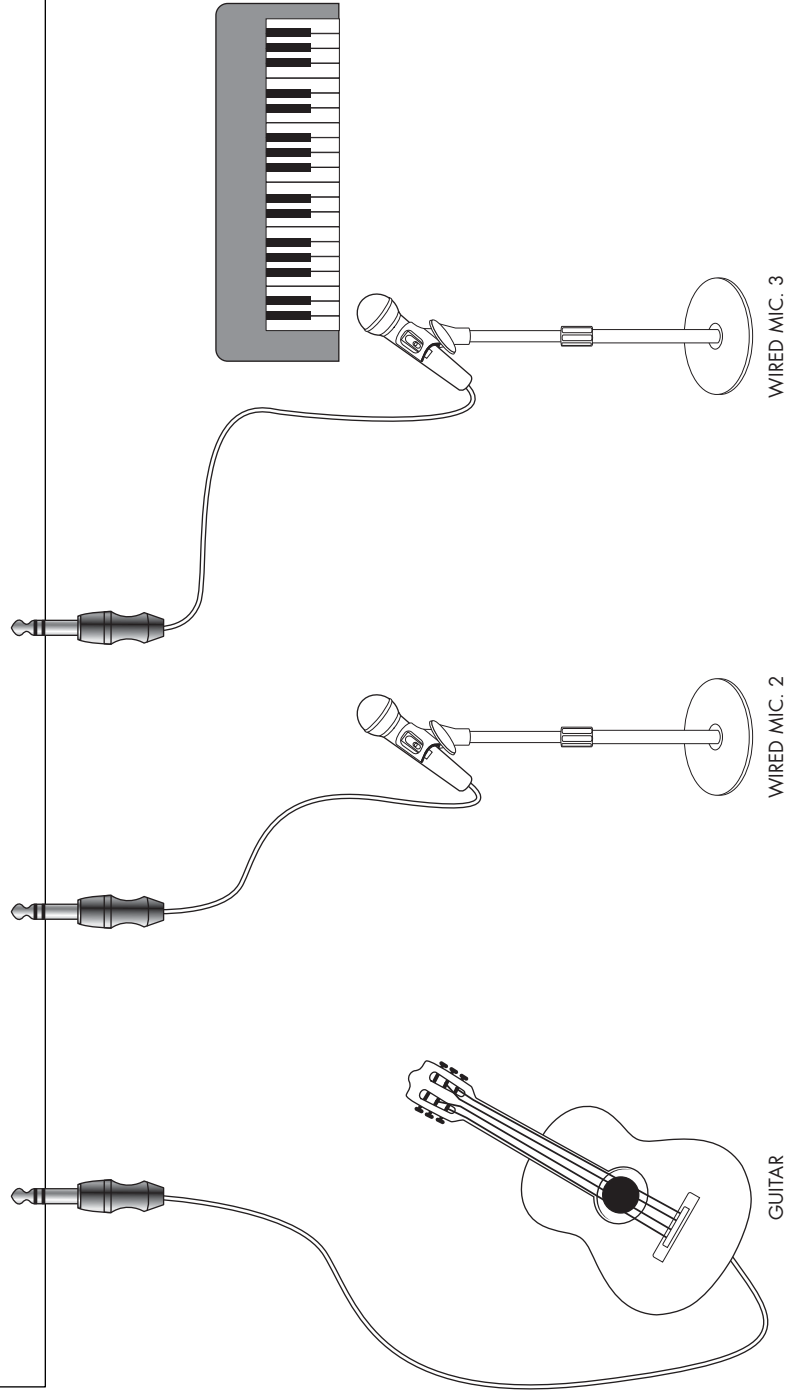
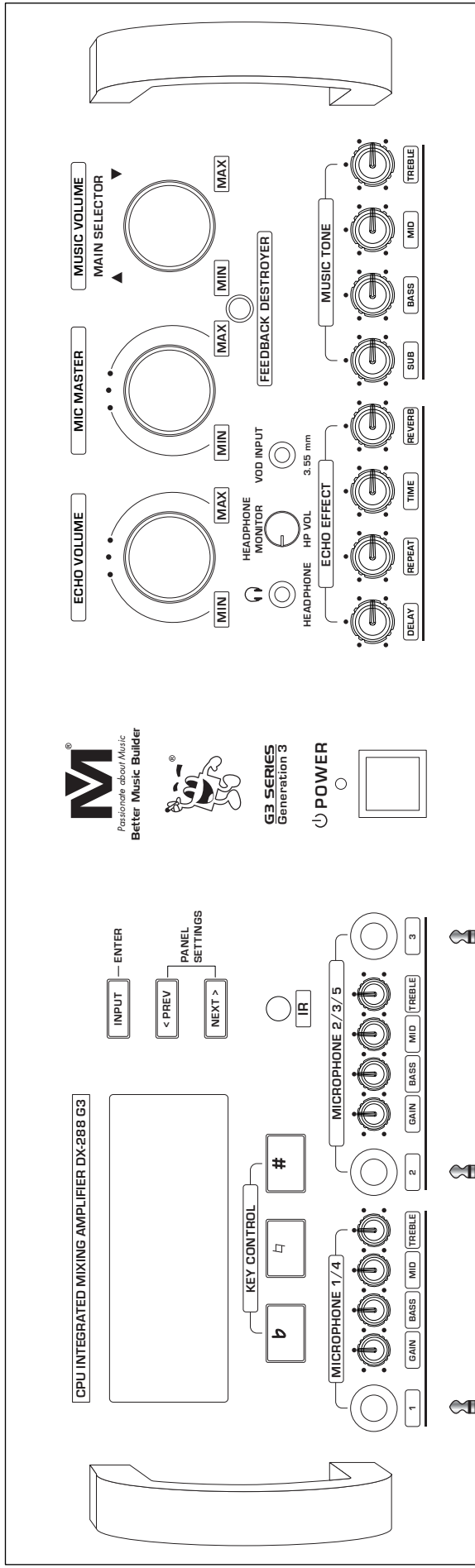
In order to bring the highest quality in both audio and video available such as high definition video. We strongly suggest using the best available High Definition connector for video such as component or HDMI formatted connections directly to the High Definition Televisions or High Resolution Monitors at 1080i or 1080p to 1600p. If the source destination for the video signal is more than 25 feet, a video signal distributor is highly recommended so to improve the poor video quality resolution due to the cabling.

The following diagram high-light the overall connection suggestion for a whole system with high definition video with multiple other audio/video sources found in the entertainment room.

NOTE ➤ Audio and video is connected separately. When you select HD video input, you must ensure that the HD TV input is selected correctly at the TV. In addition, you must ensure that the audio input is selected correctly at the DX-288 G3.



CONNECTING THE FRONT MICROPHONE INPUT

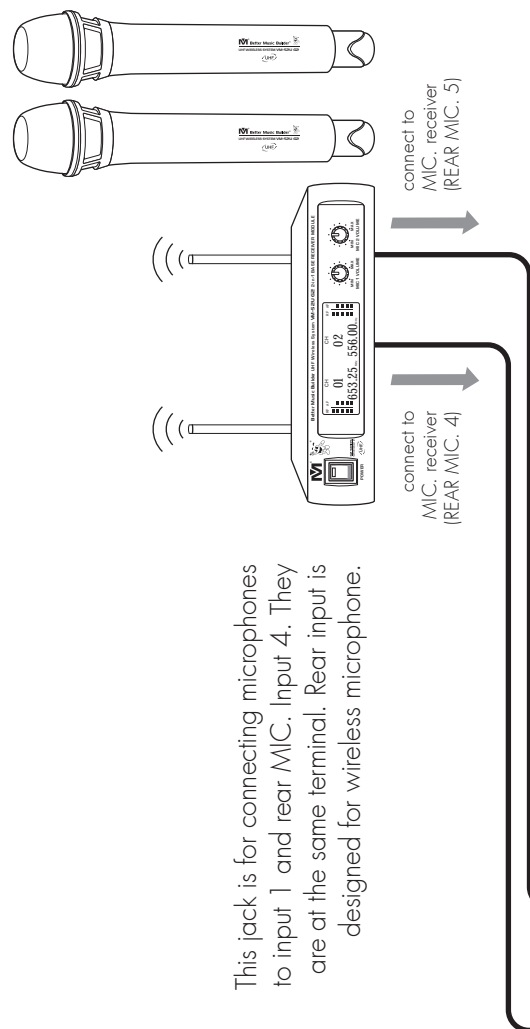


NOTE

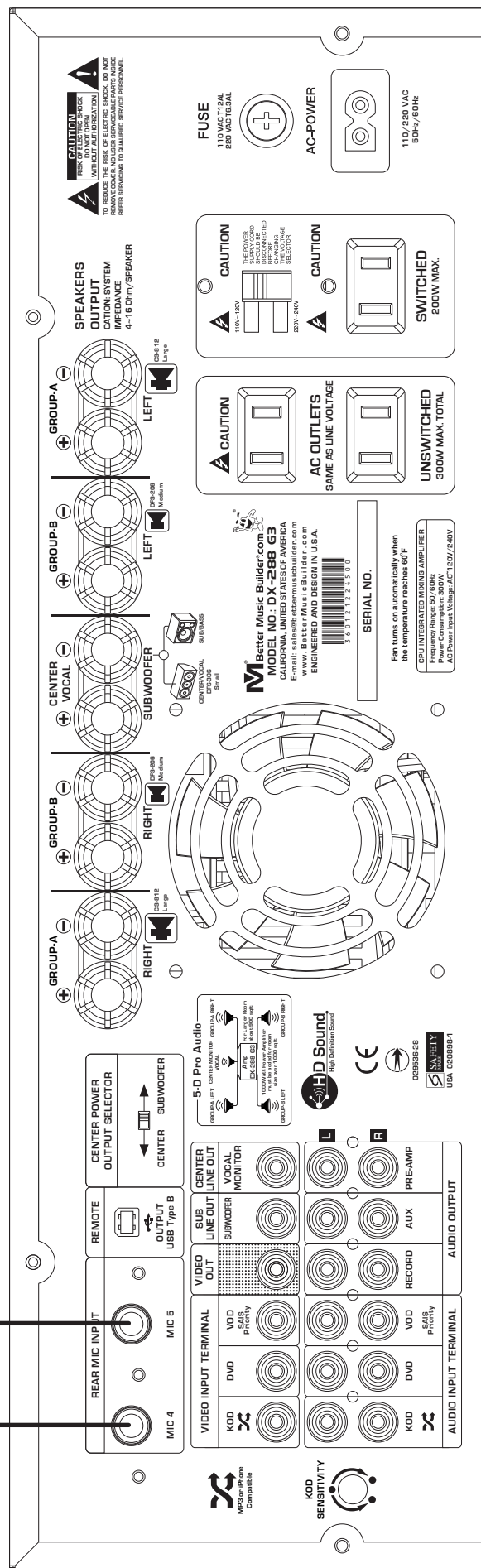
Adjust MIC Master Volume to 0 dB before inserting 1/4" microphone plugs into the MIC inputs to avoid unpleasant noise and protect your equipment from damage.

CONNECTING THE REAR MICROPHONE INPUT

This jack is for connecting microphones to input 1 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 2 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 1 INPUT (1/4 inch SLOT)

2 GAIN/BASS/MIDDLE/TREBLE CONTROL for MIC 1 or MIC 4. These knobs control the tone of MIC 1 or MIC 4.

GAIN: The gain knob controls the amount of overdrive or "distortion". It increase the internal amplification of the Microphone. This knob affects the microphone volume.

BASS: The bass controls the low tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

MID: The middle controls the mid-range tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

TREBLE: The treble controls the high tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

3 MICROPHONE 2 INPUT (1/4 inch SLOT)

4 GAIN/BASS/MIDDLE/TREBLE CONTROL for MIC 2/ MIC 3/MIC 5. These knobs control the tone of MIC 2/ MIC 3/MIC 5.

GAIN: The gain knob controls the amount of overdrive or "distortion". It increase the internal amplification of the Microphone. This knob affects the microphone volume.

BASS: The bass controls the low tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

MID: The middle controls the mid-range tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

TREBLE: The treble controls the high tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

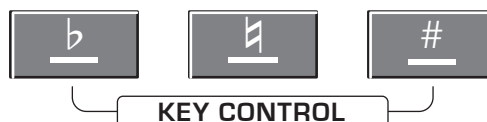
5 MICROPHONE 3 INPUT (1/4 inch SLOT)

6 INFRARED (IR): Infrared Sensor for remote control.

7 LCD: System status display.

8 MUSIC KEY CONTROL BUTTON:

b(Falling key) ♮(Natural key) # (Rising key)



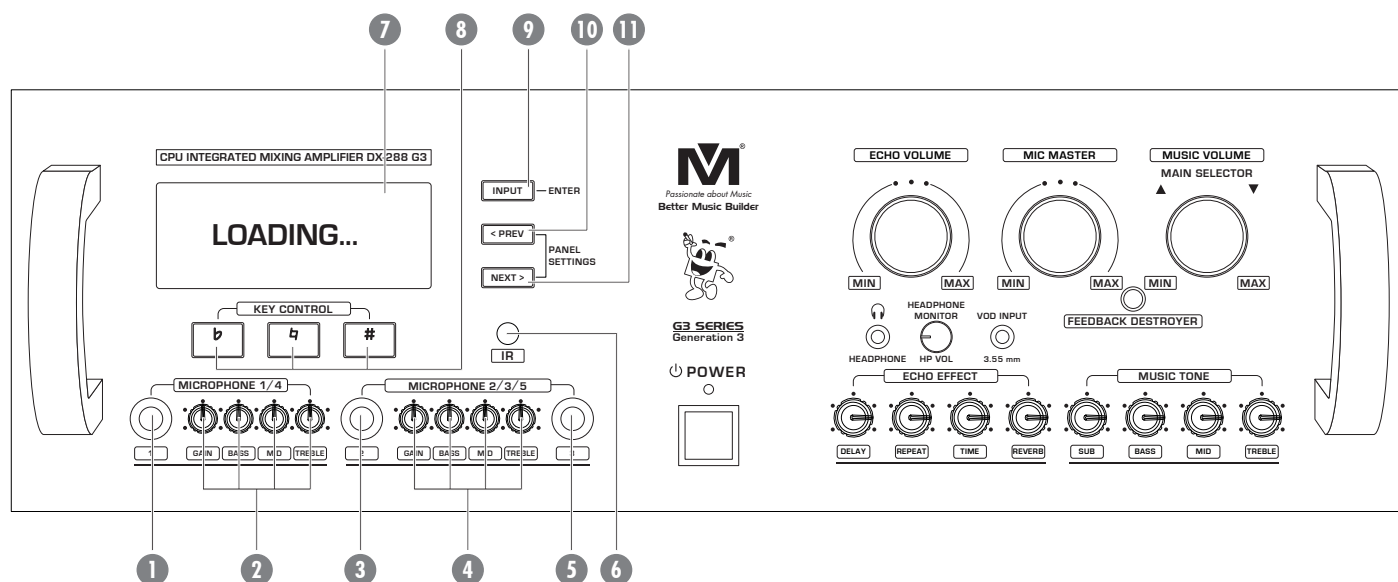
These knobs control the speeds of the music. Pressing b can recover the amplifier back to default parameters.

9 INPUT MODE SELECTION BUTTON (KOD, DVD, VOD):

This button is used to select the three different inputs source by pressing the button one at a time to browse through the available selection. It also serves as a confirmation button when operates under the "locking the panel" or "saving current settings" panels.

10 PREV: Pressing the button to browser forward the available Setting Panels.

11 NEXT: Pressing the button to browser backward the available Setting Panels.



FRONT PANEL:

12 STEREO HEADPHONE INPUT

- 13 ECHO VOLUME:** This is the master MIC effect control which is also being used within the Setting Panel to adjust the different MIC effects settings.

14 HEADPHONE VOLUME BUTTON

- 15 VOD INPUT:** 3.55 mm audio input for your favorite mobile devices such as smart phones and tablets.

- 16 MIC MASTER VOLUME:** This is the master MIC volume control which is also being used within the Setting Panel to adjust the different MIC volume settings.

- 17 FEEDBACK DESTROYER CONTROL:** This is the sound feedback destroyer selection control: press the button to select the level of feedback control. Feedback0 means the function is turn off, while Feedback1-3 sequentially increase the feedback suppression with maximal howling restraint effect.

- 18 MUSIC VOLUME / MAIN SELECTOR BUTTON:** On the top level, this is the Master Music Volume Control. However, this button is also the Main Selector button which serves as the primary selector for various adjustment in each setting panels.

19 POWER BUTTON ON/OFF

- 20 DELAY:** This is the echo delay control for the microphone effects. Turning the knob to increase and decrease the

echo delay time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

- 21 REPEAT:** This is the echo repeat control for the microphone effects. Turning the knob to increase and decrease the repeat time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

- 22 TIME:** This is the echo reverb control for the microphone effects. Turning the knob to increase and decrease the reverb time coming from the microphone; with 32 steps resolution, from 0 ~ 31 adjustment.

- 23 REVERB:** This is the echo and reverb ratio control for the microphone effects. Turning the knob to increase and decrease the ratio coming from the microphone with 100 steps resolution, from 0% ~ 99% adjustments. Increasing the ratio (50% +) gives more Reverb and decreasing the ratio (- 50%) gives more Echo for the microphone effect.

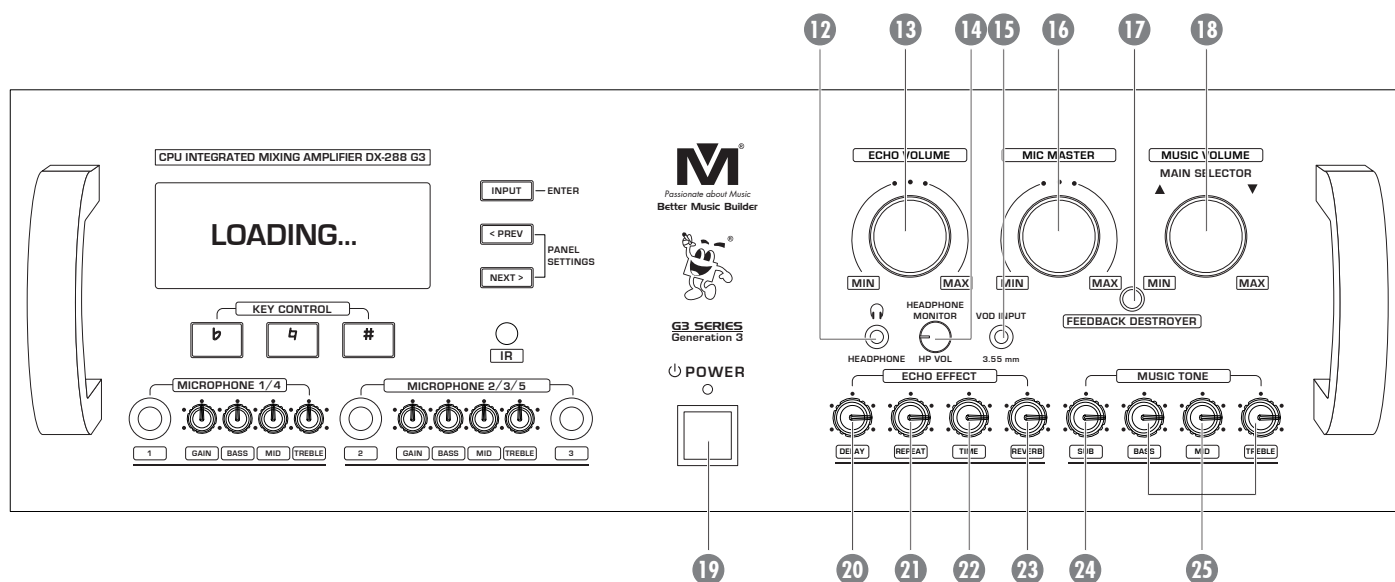
- 24 SUB:** This is the Subwoofer volume control with 100 steps resolution, from 0% ~ 99% adjustments.

- 25 BASS/MIDDLE/TREBLE CONTROL for Music.** These knobs control the music bass, middle, and treble

BASS: The bass controls the low tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

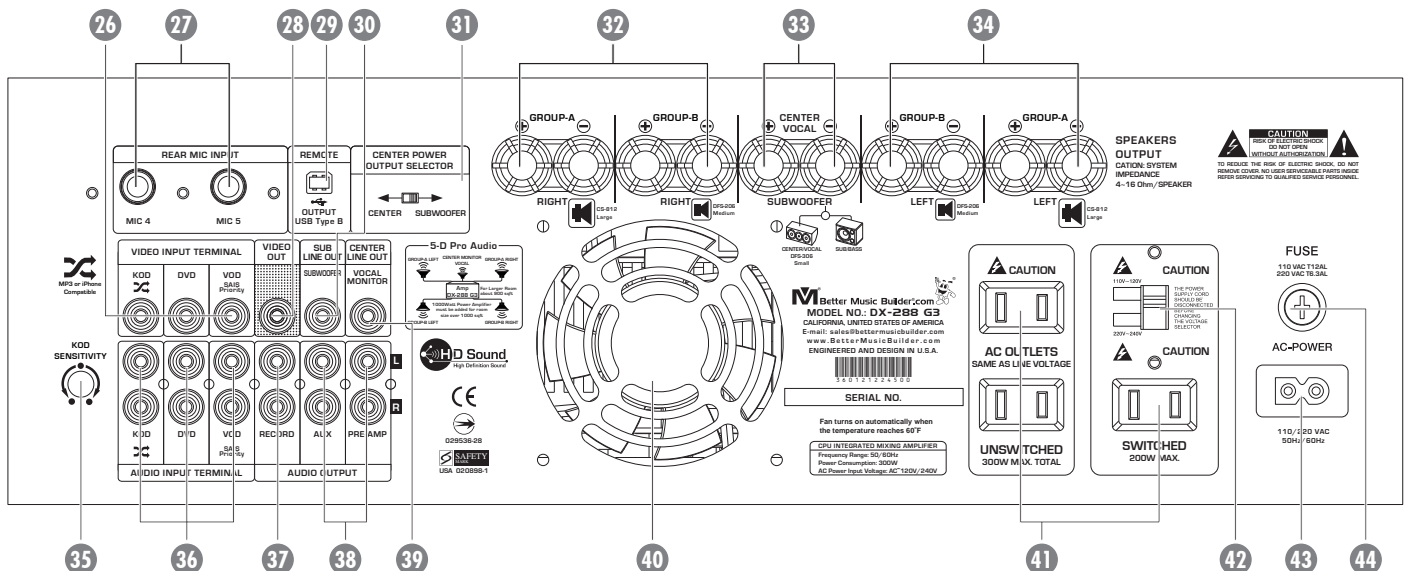
MID: The middle controls the mid-range tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

TREBLE: The treble controls the high tones with 16 steps resolution, from -8dB ~ 8dB adjustment.

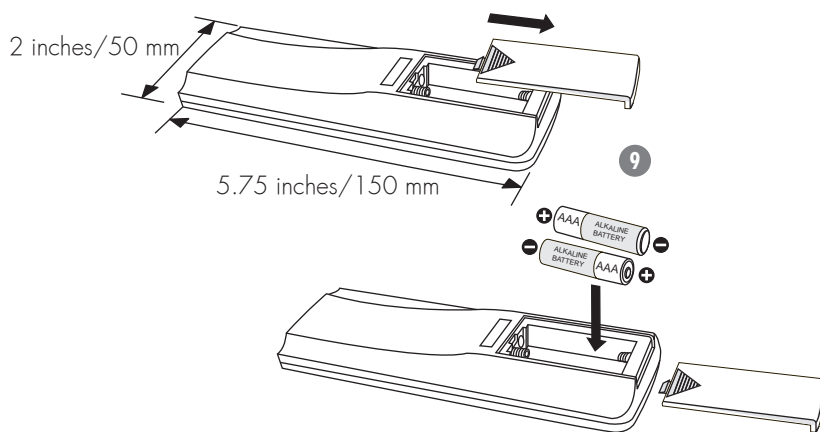
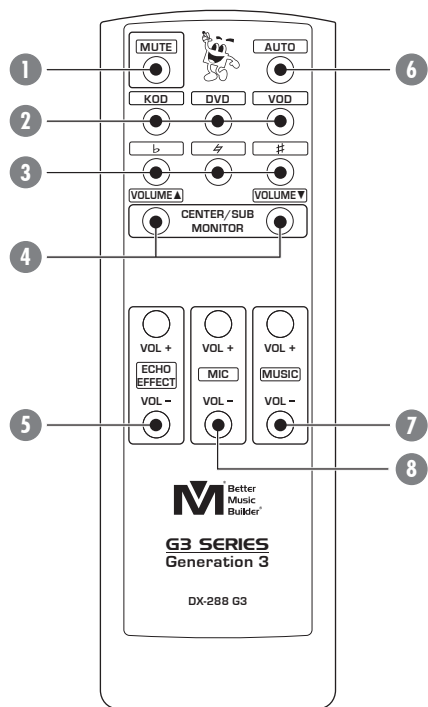


REAR PANEL:

- 26 VIDEO INPUT TERMINAL:** 3 video input sources: KOD, DVD, VOD.
- 27 REAR MICROPHONE INPUTS (1/4 inch SLOT):** Share the same microphone gain controls with MIC 1 and MIC 2 of front panel.
- 28 VIDEO OUTPUT TERMINAL:** Dedicated composite video output. If 2 or 3 more is needed, use an external composite video selector.
- 29 REMOTE OUTPUT:** Connects to VOD control panel.
- 30 SUBWOOFER LINE OUT:** This is a dedicated Subwoofer line out. It is unaffected by the Center Power Output Selector Switch.
- 31 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.
- 32 MAIN RIGHT SPEAKER OUTPUT TERMINAL:** Dedicated Group-A & Group-B main right channel powered output.
- 33 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.
- 34 MAIN LEFT SPEAKER OUTPUT TERMINAL:** Dedicated Group-A & Group-B main left channel powered output.
- 35 KOD SENSITIVITY:** KOD signal sensitivity control.
- 36 AUDIO INPUT TERMINAL:** 3 audio input sources: KOD, DVD, VOD.
- 37 RECORD AUDIO OUTPUT**
- 38 AUX AUDIO OUTPUT & PRE-AMP AUDIO OUTPUT:** When the existing Powered Lines is not enough to support the room size greater than the maximum 900 square feet, the amplifier might burn out. Therefore, this line out can be used to connect the signal to an external power amplifier so this unit can be used as a pre-amplifier.
- 39 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.
- 40 LOW NOISE DUAL UNITS COOLING FAN**
- 41 AC POWER OUTPUT SOCKET & AC POWER SUPPLY SOCKET.**
- 42 POWER SUPPLY SWITCH:** Use this switch to select the appropriate power outlet supply voltage.
- 43 AC POWER**
- 44 FUSE HOLDER:** This is the housing for the power supply fuse.



REMOTE CONTROL:

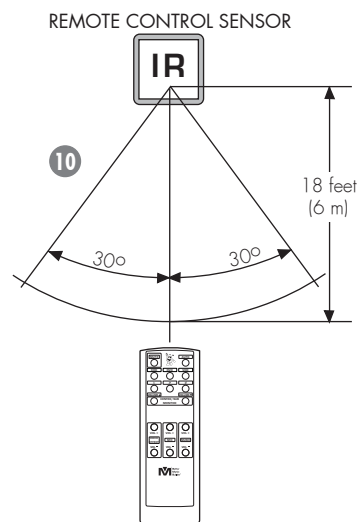


9 INSERTING BATTERIES

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.

10 USING THE REMOTE CONTROL UNIT

When operating the remote control, point the remote's infrared port at the remote sensor "IR" 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 MUTE

Mutes music only; not vocal.

2 INPUT SELECTION: KOD, DVD, VOD

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

Controls the music key.

4 CENTER/SUBWOOFER VOLUME CONTROL

Center/Subwoofer Volume control from 00 to 99. The control of Center or Subwoofer is based on the two way switch position on the rear panel.

5 ECHO VOLUME

Echo Volume control from 00 to 90.

6 SMART AUTO INPUT SWITCHER (SAIS) SELECTOR

When you press this button to select the KOD input, it would not work if VOD is in use. The reason is that this unit is designed with VOD as the first priority input. It is designed for commercial karaoke use.

7 MUSIC MASTER VOLUME

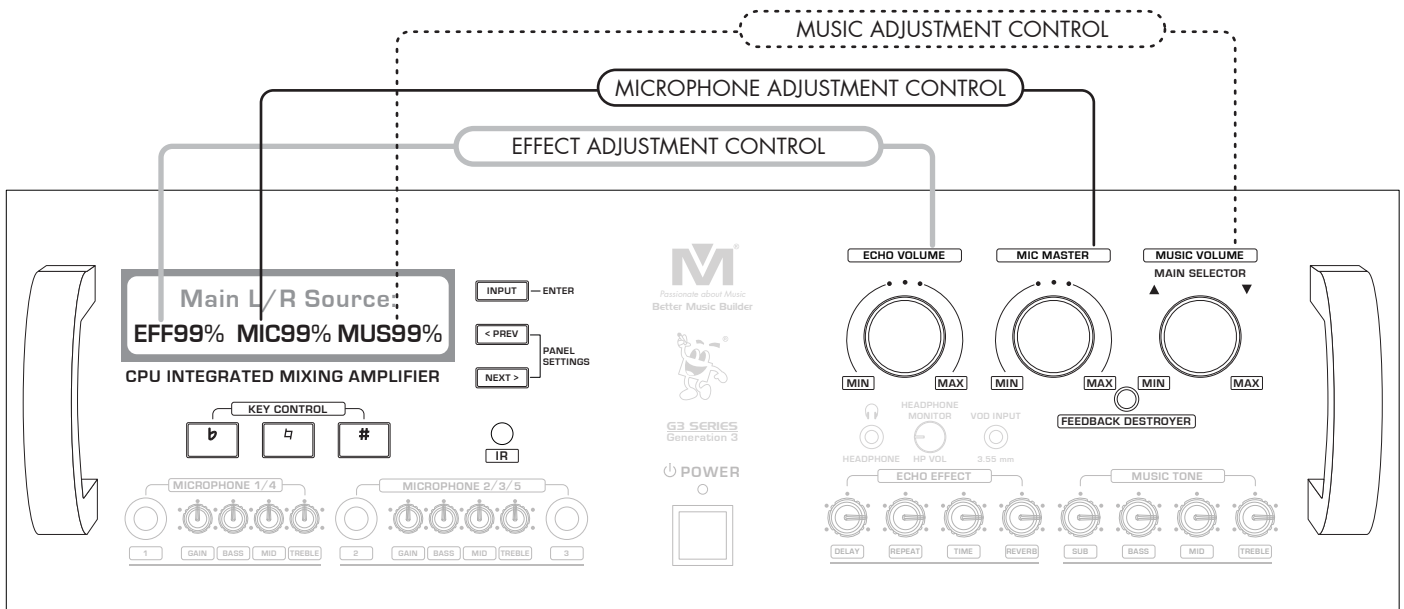
Music Master Volume control from 00 to 90.

8 MICROPHONE MASTER VOLUME

Microphone Master Volume control from 00 to 90.

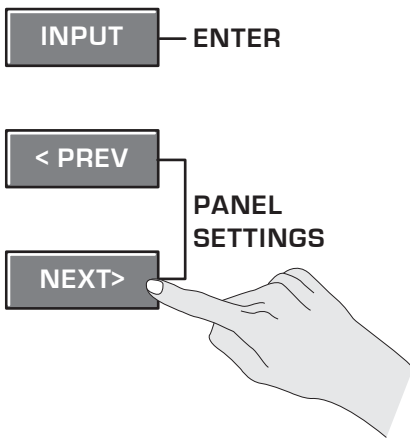


LCD CONTROL PANELS OPERATION



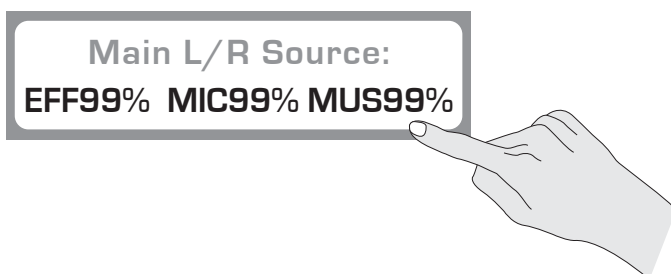
STEP: 1

Press the "NEXT" button to scroll through the available 9 pages of CPU Control Panels. Use the "PREV" button to go back to the previous CPU Control panel.



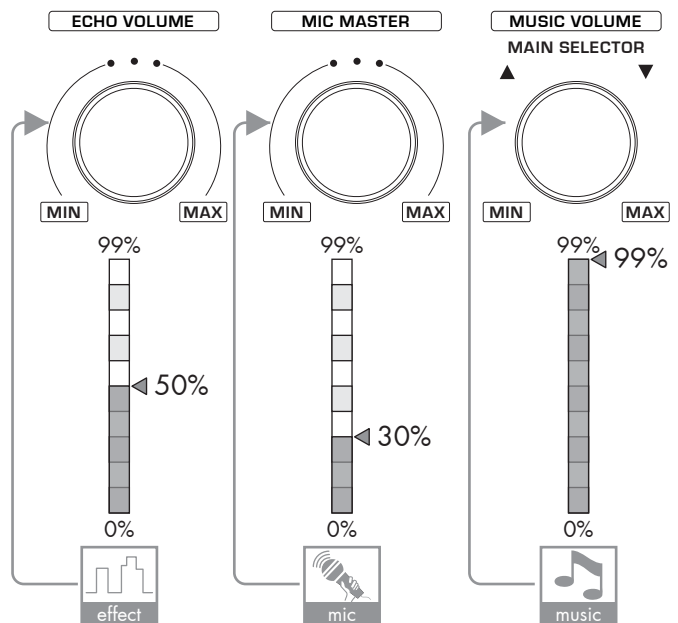
STEP: 2

For each parameter of the 8 CPU Control Panels, use the corresponding control knob to adjust each settings. For example, use the Echo Volume knob to adjust the EFF parameter and use the MIC Volume knob to adjust the MIC parameter.



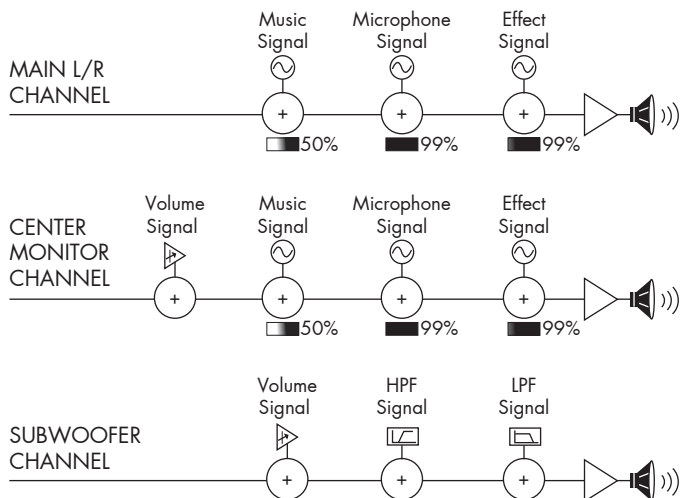
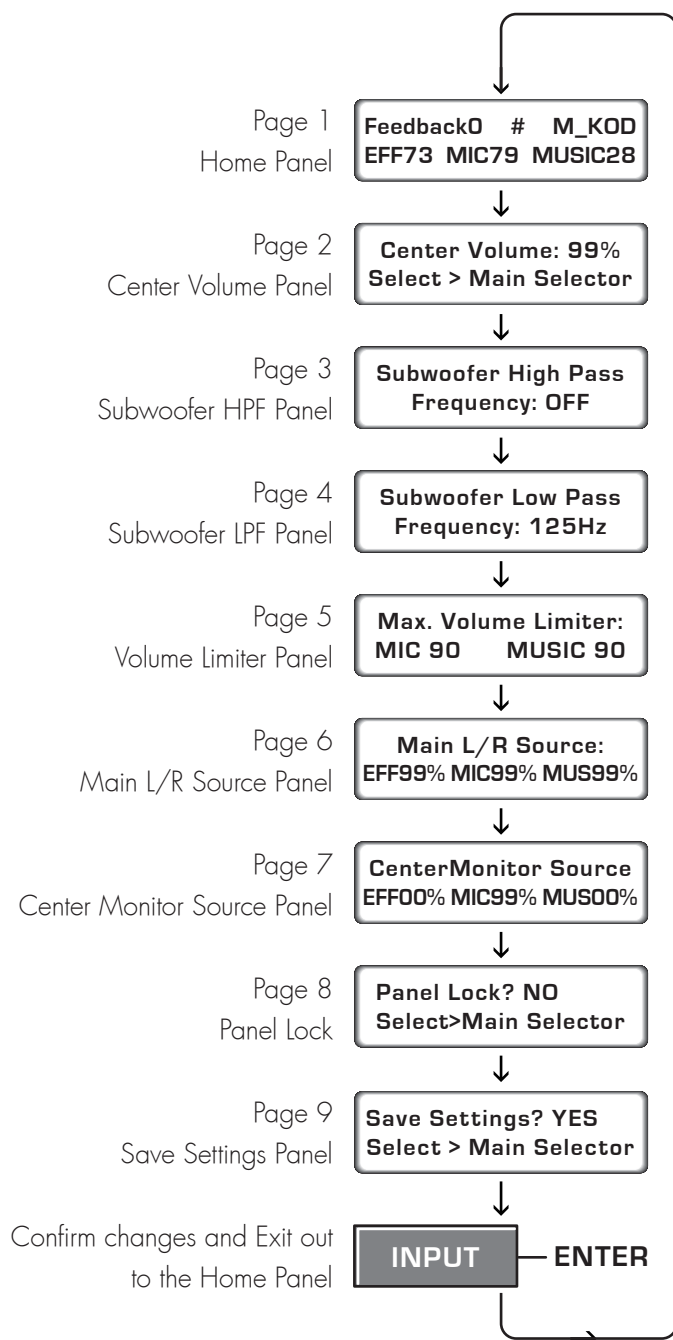
STEP: 3

Once each parameters are adjusted on the CPU Control Panels, use the INPUT-"ENTER" button to confirm and save customized the changes to the CPU memories.



The DX-288 G3 has 9 configurable settings control panels. The Home Panel screen is the default display once the system is running. Use the Panel Settings button "NEXT >" to scroll through the available settings control panels. When the last panel, Save Settings, panel is reached, use the "< PREV" button to go back to the previous setting panels or use the INPUT (Enter) button to save settings changes and Exit out to the Home Panel.

HOW TO SETUP the CPU FUNCTION



HOME PANEL (MAIN SCREEN)



A. The first parameter on LINE 1 of the LCD panel is the "Feedback Destroyer Settings". The default is Feedback0, which states Feedback Destroyer feature is OFF. Increase to higher feedback level 1,2,3 to increase the feedback suppression. Feedback3 is the higher level of feedback suppression, destroys the most feedback.



Press the Feedback Destroyer button to change the Feedback level from Feedback0 to Feedback3.

NOTE Different room size and wall material effects the feedback level. For example, a room with large flat glass/windows create more feedback distortions because of reflection.

B. The second parameter on LINE 1 of the LCD panel is the "Music Key Settings". The "b1~b4" flat lower the musical note by half step. While "#1~#4" sharp increase the musical note by half step. While natural sign (n) is used to cancel a flat or sharp from either a preceding note.



Press the b key to change the flat musical note from b1~b4. Press the n key to change the musical note to natural tone. Press the # key to change the sharp musical note from #1~#4.

C. The third parameter on LINE 1 of the LCD panel is the active input source selection, (VOD, DVD, KOD). Source proceed with "M_" stands for manual mode, while "A_" stands for auto mode (Smart Auto Input Switching feature is "ON").

Feedback0  **M_KOD** ← Manual Mode
EFF73 MIC79 MUSIC28

When the system start up in manual mode, it will default to the KOD signal source. User can specify different input source manually as desire from the LCD panel, under "M_KOD", "M_DVD", or "M_VOD". When Smart Auto Input Switch is turn on: if all input signal is inactive, when the source is "pause", "stop" or not connected, KOD is set by default as the priority input. If all input signal is active, "playing", then VOD is set as priority.

Feedback0  **A_VOD** ← Auto Mode
EFF73 MIC79 MUSIC28

Press the INPUT (Enter) key to scroll through the input sources, specifying the input source as manual mode or activating the Smart Auto Input Switch to auto mode.

For input selection, press the INPUT/Enter button to move the arrow to select the source: DVD, KOD or VOD. VOD has the first priority; DVD and KOD have the second and the lowest priorities respectively. That's why the machine always chooses VOD in auto mode. If you want to select KOD you have to turn off the source connected to VOD. For example, in a karaoke bar, KOD can be used to play background music while VOD is connected to the main mixer where the microphones are plugged in. When the DJ makes an announcement through the microphone, the built-in CPU will automatically select VOD and you will not hear the background music. Instead, you will only hear the DJ's voice or whatever signal source (for example, commercial advertising) is plugged into the main mixer.

D. The first parameter on LINE 2 of the LCD panel is the main microphone EFFECT setting control for the main and center speaker channels. Increasing from 0 to 90 to increase the microphone effects added to the channels.

Feedback0  **A_VOD** ← Effect Level
EFF73 MIC79 MUSIC28

Turn the ECHO VOLUME knob min to max to adjust the desire echo effect from 0 to 90.

E. The second parameter on LINE 2 of the LCD panel is the main microphone volume setting control. This increase the microphone volume until the maximum programmed volume limiter reached.

Feedback0  **A_VOD** ← Microphone Level
EFF73 MIC79 MUSIC28

Turn the MIC MASTER knob min to max to adjust the desire microphone volume from 0 to the maximum limit set by the MIC Volume Limiter settings (default maximum is 90).

F. The third parameter on LINE 2 of the LCD panel is the main music volume setting control. This increase the music volume until the maximum programmed volume limiter reached.

Feedback0  **A_VOD** ← Music Level
EFF73 MIC79 MUSIC28

Turn the MUSIC VOLUME knob min to max to adjust the desire microphone volume from 0 to the maximum limit set by the Music Volume Limiter settings (default maximum is 90).

CENTER VOLUME PANEL

The "Center Volume" allows specifically adjusting of the center/subwoofer powered line output channel's volume.

Center Volume: 50% ← Center Level
Select > Main Selector

Press the "Next >" until the Center Volume control panel is reached. Then use the Main Selector (MUSIC VOLUME) knob min to max to adjust the desire center channel volume from 0 to 99.

SUBWOOFER HPF PANEL

The "Subwoofer HPF" allows tuning of the subwoofer by increasing or decreasing the cutoff frequency from 20-80Hz of the Subwoofer High Pass Filter. The filter can also be turn off manually by selecting "OFF". The higher the frequency the higher pitch of the woofer.

Subwoofer High Pass ← Hight Frequency Level
Frequency: 20Hz

Press the "Next >" until the Subwoofer HPF control panel is reached. Then use the Main Selector (MUSIC VOLUME) knob min to max to adjust the desire High Pass Filter cutoff frequency from 20 to 80Hz. Or select "OFF" to disable the filtering.

SUBWOOFER LPF PANEL

The "Subwoofer LPF" allows tuning of the subwoofer by increasing or decreasing the cutoff frequency from 80-335Hz of the Subwoofer Low Pass Filter. The filter can also be turn off manually by selecting "OFF". The lower the frequency the more the bass of the woofer.

Subwoofer Low Pass
Frequency: 335Hz

← Low Frequency Level

Press the "Next >" until the Subwoofer LPF control panel is reached. Then use the Main Selector (MUSIC VOLUME) knob min to max to adjust the desire Low Pass Filter cutoff frequency from 80 to 335Hz. Or select "OFF" to disable the filtering.

VOLUME LIMITER PANEL

The "Volume Limiter" is the master MIC and MUSIC maximum volume setting control. This set a maximum limit individually on the microphone and music control on the system, safeguarding damages to the equipment because of excess overloading / overdriving. Once set, the MIC volume and MUSIC volume control knob is maximum based on this settings.

Max. Volume Limiter
MIC 46 MUSIC 90

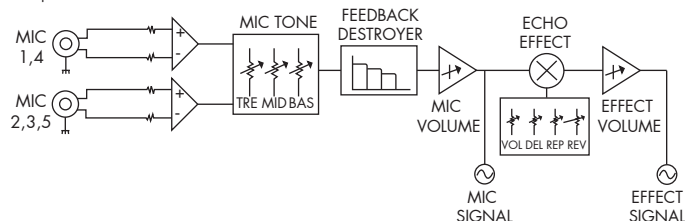
← Microphone Limiter

Press the "Next >" until the Volume Limiter control panel is reached. Then turn the MIC MASTER knob min to max to adjust the desire microphone volume from 0 to 90.

Max. Volume Limiter
MIC 46 MUSIC 90

← Music Limiter

Press the "Next >" until the Volume Limiter control panel is reached. The turn the MUSIC VOLUME knob min to max to adjust the desire music volume limit from 0 to 90.



MAIN L/R SOURCE PANEL

The "Main L/R Source Controller" allows the musical, vocal, and effects tuning of the Main L/R source channel. It enable setting the amount of Effect for the main channel speakers where EFF00% means no effect at all and EFF99% allows the maximum effect. While MIC00% means turning off the microphone vocal in the main speaker channels and MIC99% means allowing maximum volume to the micro-

phone. Similarly, MUS00% means turning off the music in the main speaker channels and MUS99% means allowing maximum music volume on the main speakers channel.

Main L/R Source:
EFF99% MIC99% MUS99%

Press the "Next >" until the Main L/R Source control panel is reached.

Main L/R Source:
EFF99% MIC99% MUS99%

← Main Effect Level

Then turn the ECHO VOLUME knob min to max to adjust the desire percentage effect volume from 0 to 99% for the main L/R channel. The higher the percentile, the more effects are allowed into the main L/R speaker channel.

Main L/R Source:
EFF99% MIC99% MUS99%

← Main Mic Level

Then turn the MIC MASTER knob min to max to adjust the desire microphone volume from 0 to 99% for the main L/R channel. The higher the percentile, the more microphone volume are allowed into the main L/R speaker channel.

Main L/R Source:
EFF99% MIC99% MUS99%

← Main Music Level

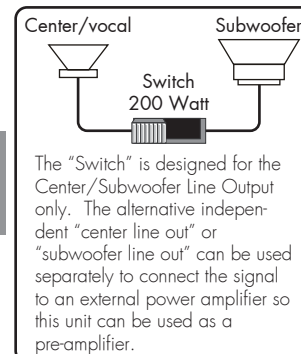
Then turn the MUSIC VOLUME knob min to max to adjust the desire music volume limit from 0 to 99% for the main L/R channel. The higher the percentile, the more music volume are allowed into the main L/R speaker channel.

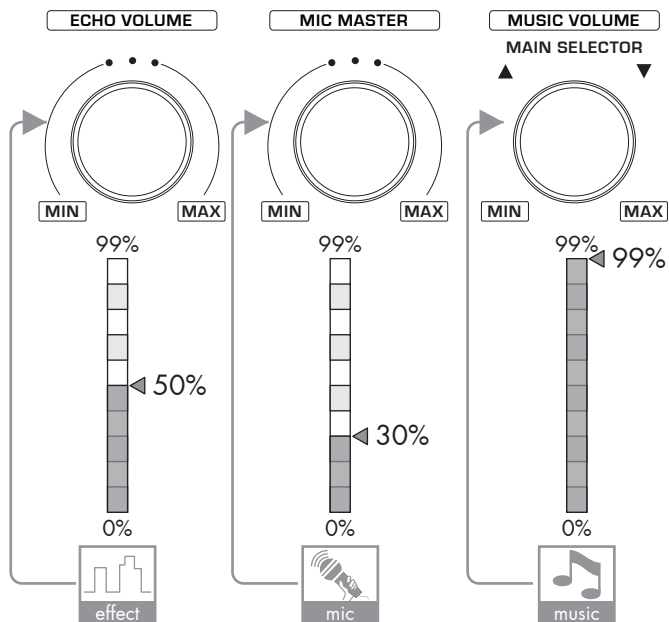
CENTER MONITOR SOURCE PANEL

The "Center Monitor Source Controller" allows the musical, vocal, and effects tuning of the center monitor source channel. It enable setting the amount of Effect for the center monitor channel speakers where EFF00% means no effect at all and EFF99% allows the maximum effect. While MIC00% means turning off the microphone vocal in the center monitor speaker channels and MIC99% means allowing maximum volume to the microphone. Similarly, MUS00% means turning off the music in the center monitor speaker channels and MUS99% means allowing maximum music volume on the center monitor speakers channel.

Center Monitor Source:
EFF99% MIC99% MUS99%

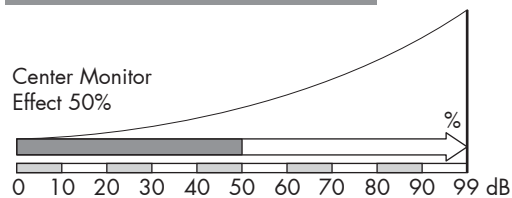
Press the "Next >" until the Center Monitor Source control panel is reached.





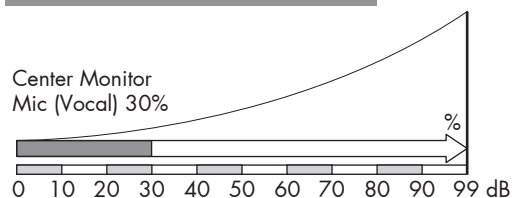
Center Monitor Source:
EFF50% MIC30% MUS99%

Center Monitor Source:
EFF99% MIC99% MUS99% ← Center Effect Level



Then turn the ECHO VOLUME knob min to max to adjust the desire percentage effect volume from 0 to 99% for the center channel. The higher the percentile, the more effects are allowed into the center monitor speaker channel.

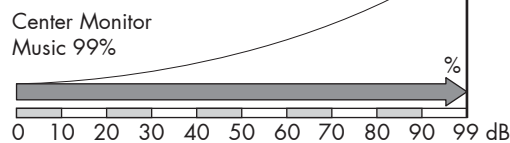
Center Monitor Source:
EFF99% MIC99% MUS99% ← Center Mic Level



Then turn the MIC MASTER knob min to max to adjust the desire microphone volume from 0 to 99% for the center channel. The higher the percentile, the more microphone volume are allowed into the center monitor speaker channel.

Center Monitor Source:
EFF99% MIC99% MUS99%

← Center Music Level



Then turn the MUSIC VOLUME knob min to max to adjust the desire music volume limit from 0 to 99% for the center channel. The higher the percentile, the more music volume are allowed into the center monitor speaker channel.

PANEL LOCK

The "Panel Lock" allows owner to lock all the control panels and knobs except for the three main knobs: Echo Volume, MIC Master, and Music Volume.

Panel Lock? NO
Select > Main Selector



Press the "Next >" until the Panel Lock control panel is reached. Use the Main Selector (Music Volume) knob to select YES or NO for Panel Locking. Then Press Input (ENTER) key to confirm the changes.

Panel Locking...



SAVE SETTINGS PANEL

The "Save Settings" allows owner to saves all the changes made on the LCD control panels.

Save Settings? YES
Select > Main Selector

Press the "Next >" until the Save Settings control panel is reached. Use Main Selector (Music Volume) knobs to select YES or NO for Save Settings. Then Press Input (ENTER) key to confirm and save all the changes.

Saving...



PROFESSIONAL/COMMERCIAL USE

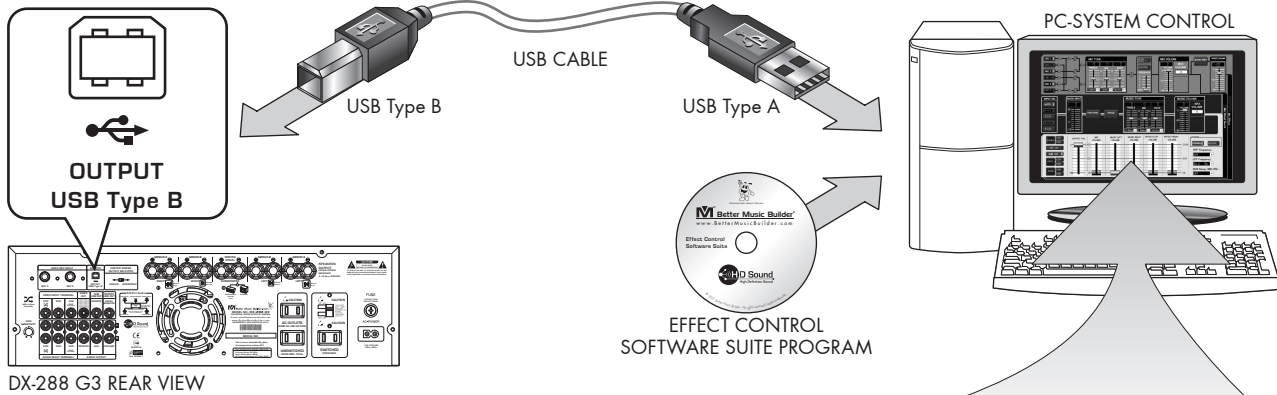
The DX-288 G3 was designed with professional karaoke usage in mind. To give users more control over their mixer, the team at Better Music Builder® has created the "Effect Control Software Suite." The software allows users from one room to have the capability to access and control all the

desired effect of the mixer located in another room. That means while all the songs and equipments are stored inside the equipment room, the user can use the computer in the KTV room to control all the sound effects.

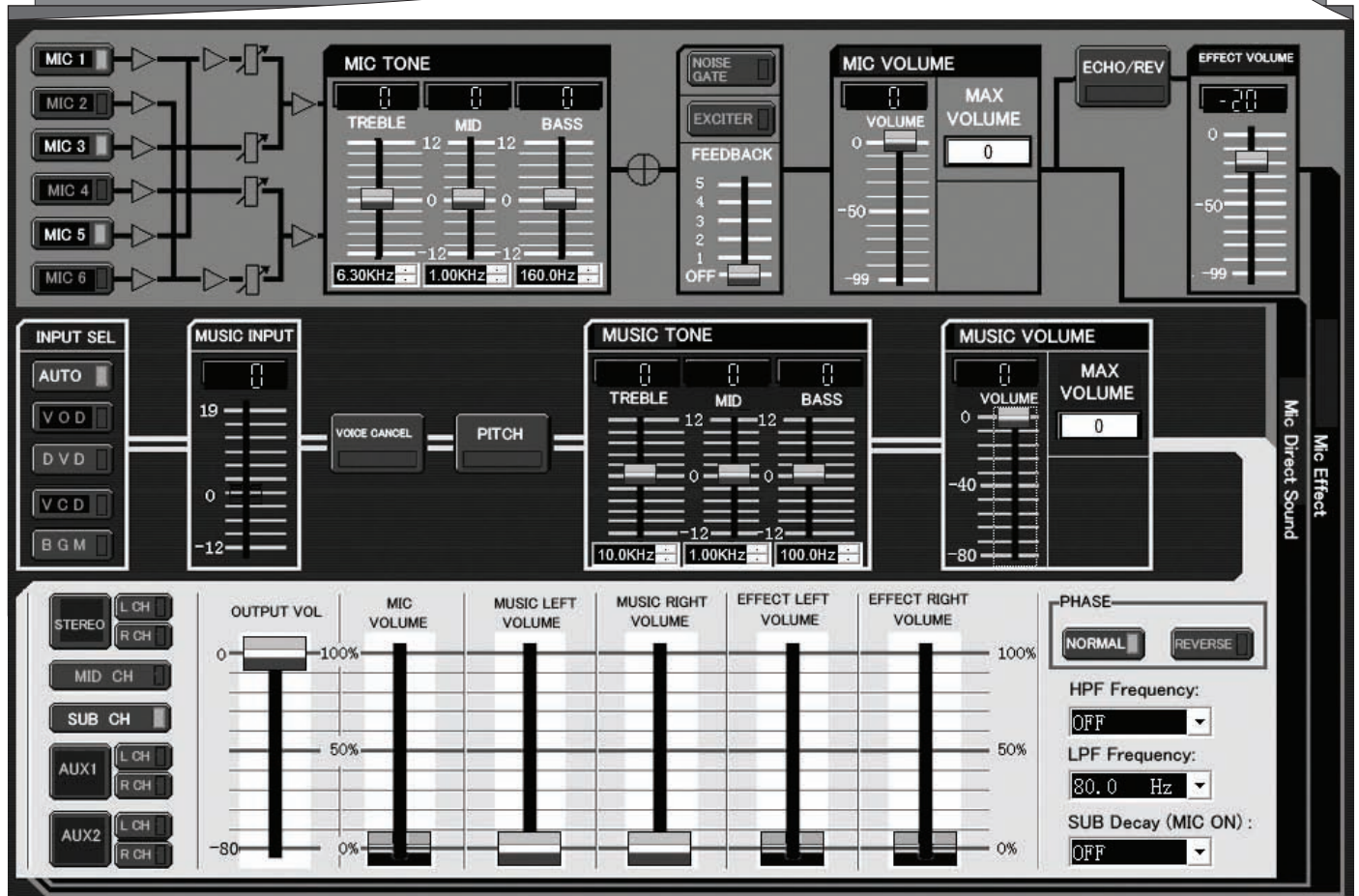
EFFECT CONTROL SOFTWARE SUITE INSTRUCTIONS

For Professional/Commercial use of the Better Music Builder® Effect Control Software Suite, use the USB cable and connect the DX-288 G3 to the computer with the installed

software. Better Music Builder's Effect Control Software Suite installed.



DX-288 G3 REAR VIEW



Once the cable is connected, launch the program Karaoke Pre-amplifier Controller v2.6 from the "Effect Control Software Suite" CD.



Fig 1. Connecting Serial Port

In the program, under the Communication tab, there is a drop down list, select Connect.



Fig 2. Setting Serial Port

If for some reason, there was a COM port error, then under the Communication tab, select Serial Port Setting.

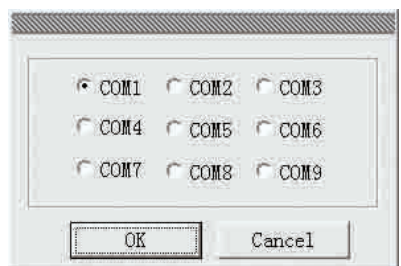


Fig 3. Available COM Ports

Select the available Serial Comport (COM) below and click OK to confirm.

Once connection has been established, it will prompt either to "Read Data From Device" or "Write Data To Device." We suggest starting off by reading the current settings on the

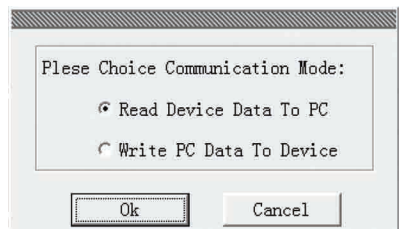


Fig 4. Read Data From Device

system as a reference and then further make adjustments accordingly. Choose "Read Data From Device." Then click OK to confirm.

After the DX-288 G3 settings have been read, different parameters can be set. Different controls will be highlighted based on the specific settings. Otherwise, the control will be grayed-out and not adjustable.

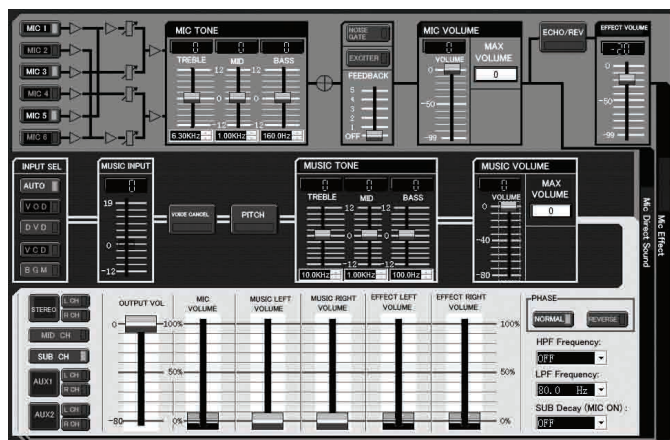


Fig 5. Control Panel Settings

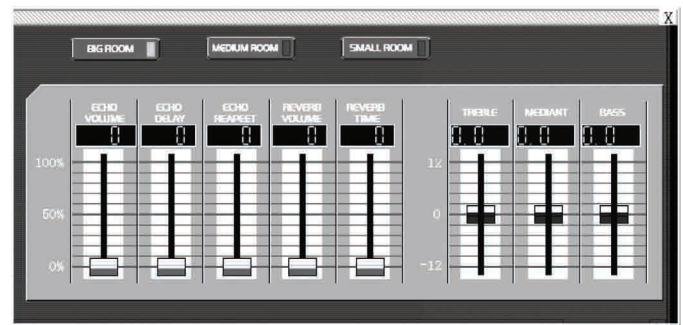


Fig 6. Echo/Reverb Effect Control Settings

The parameters adjusted can be saved to a program file (.kcc) for future uses or saved directly to the connected DX-288 G3.

Save to program file (.kcc)



Fig 7. Save Program File

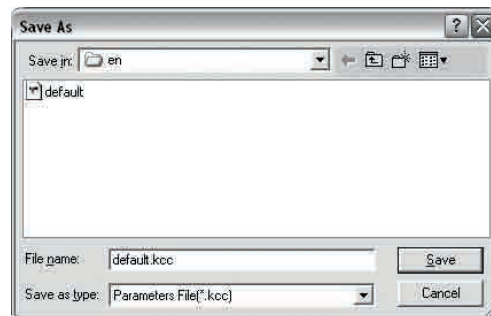


Fig 8. Save (.kcc) File

Save directly to device



Fig 9. Saving Data Directly to Device

After all parameters are set and done, disconnect out of the program as follow:



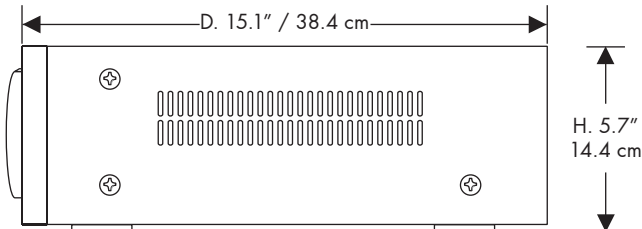
Fig 10. Disconnecting COM Port



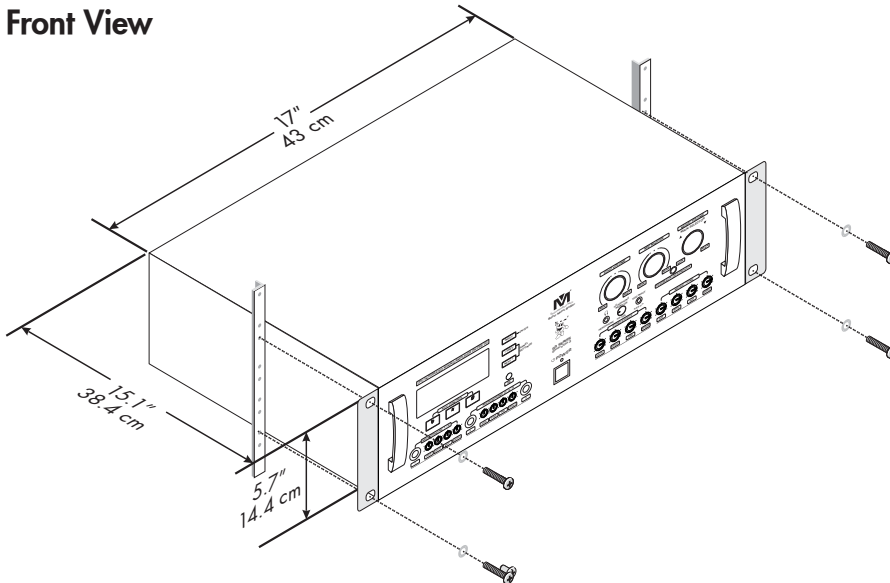
PHYSICAL DIMENSIONS

NET WEIGHT	379 lbs / 17.2 Kg
SHIPPING WEIGHT	43.4 lbs / 19.7 Kg
DIMENSIONS (WxHxD)	17x5.7x15.1 in / 43x14.4x38.4 cm
PACKING DIMENSIONS (WxHxD)	20.4x8.7x17 in / 51.8x22.1x43.2 cm

Side View



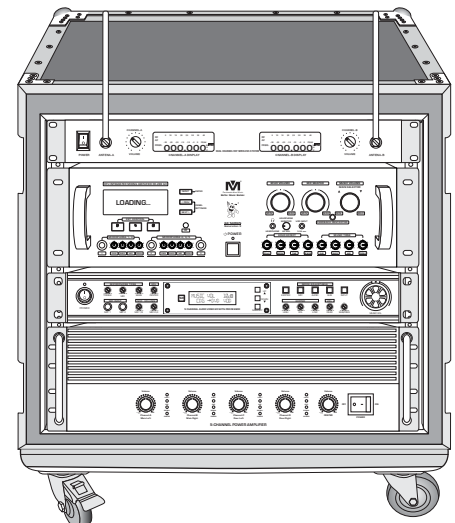
Front View



SPECIFICATIONS

POWER OUTPUT	3x300W (1kHz, 8 ohm)	
THD	(1kHz, 100W, 8ohm) 0.03%	
FREQUENCY RESPONSE	20Hz~20KHz +/-1dB	
TONE ELECTRICAL CIRCUIT	MUSIC PART BASS Control: 100Hz ± 8dB MID Control: 1kHz ± 8dB TREBLE Control: 10kHz ± 8dB	MIC PART BASS Control: +8dB/-12dB MID Control: +8dB/-12dB TREBLE Control: +8dB/-12dB
INPUT SENSITIVITY/IMPEDANCE	MIC: 20mV/2k ohm, Rear MIC: 40mV/2k ohm LINE: 200mV/10k ohm, VIDEO: 1Vp-p/75 ohm	
EFFECT	ECHO	
LOAD IMPEDANCE	OUTPUT IMPEDANCE: 4~16 ohm RECOMMENDATORY IMPEDANCE: 8 ohm	
STATIC POWER CONSUMPTION	30 Watts	
POWER CONSUMPTION	120V 60Hz, <1300Watts	

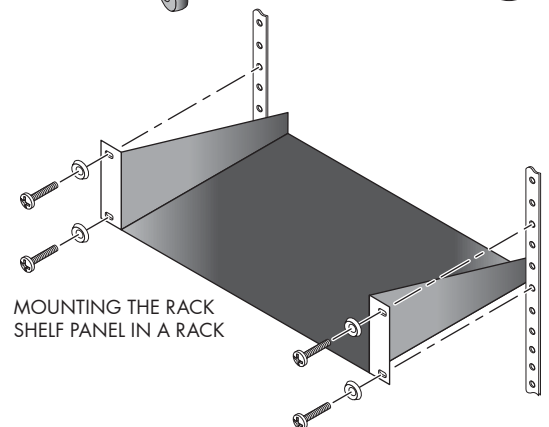
PORTABLE SYSTEM



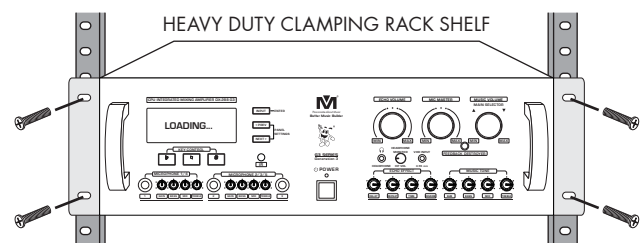
OPTIONAL 19" RACK MOUNT KIT

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



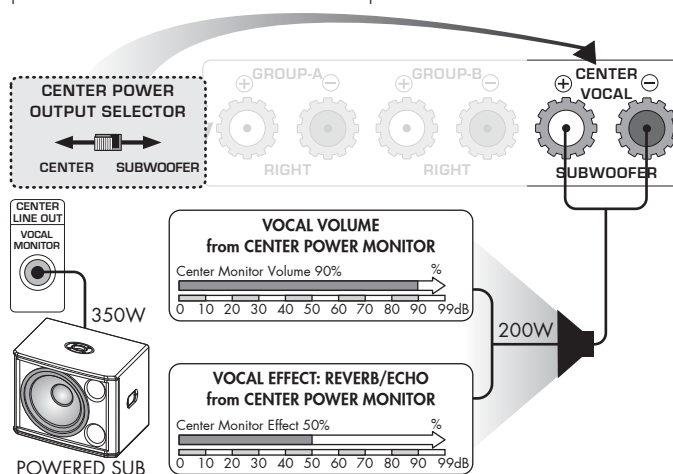
TROUBLESHOOTING

1. NO ECHO FROM THE CENTER SPEAKER

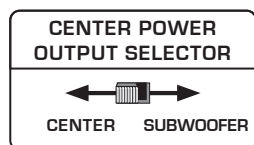
CAUSE: CENTER ECHO is turned off.

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

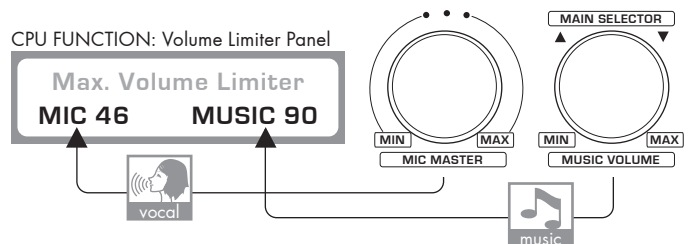
CAUSE: The music volume limiter is set too low.

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."



The use of the Mic Limiter is to allow user to customize their protection setting on their microphone equipment. Once the limiter has been set here, the max limiter number will be the max setting at the Mic Master knob.

If you want to release the max limiter features. Go to Volume Limiter Panel and change the Mic Settings to maximum of 90.



The use of the Music Limiter is to allow user to customize their protection setting on their musical equipment. Once the limiter has been set here, the max limiter number will be the max setting at the Music Master knob.

If you want to release the max limiter features. Go to Volume Limiter Panel and change the Music Settings to maximum of 90.

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. INPUT SELECT: KOD

SYMPTOM: When trying to select KOD, it automatically jumps back to VOD.

CAUSE: VOD is the priority for the Smart Auto Input Switching feature.

REMEDY: Another alternative is to disconnect the equipment at the VOD connection and connect your KOD directly to the VOD input.

8. NO SOUND FROM MICROPHONE

REMEDY:

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

9. 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.

10. INPUT SIGNAL AUTO JUMP

SYMPTOM: When selected VOD or KOD input source, the system automatically select back to the DVD input terminal.

CAUSE: Because this model is design for priority input select.

REMEDY: When set on auto mode, the priority source is DVD by default. Therefore, if multiple source is use simultaneously, it will auto jump to the priority source. Adjusting to manual mode will turn off the auto priority mode.

A_KOD

"A_"stands for auto mode

M_KOD

"M_"stands for manual mode

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. POWER CAN NOT BE TURNED ON

REMEDY:

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

17. 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.

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.

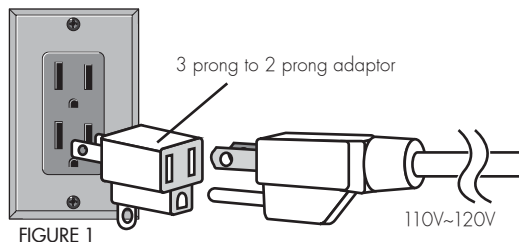
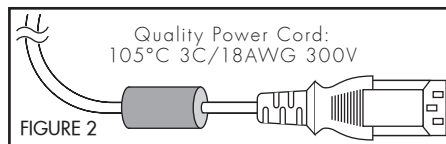


FIGURE 1



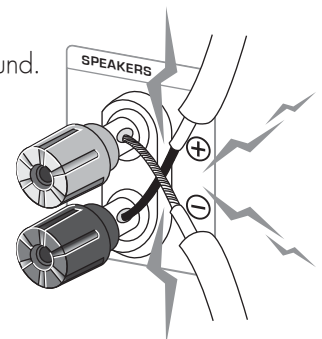
NOTE

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. We 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

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 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 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. _____

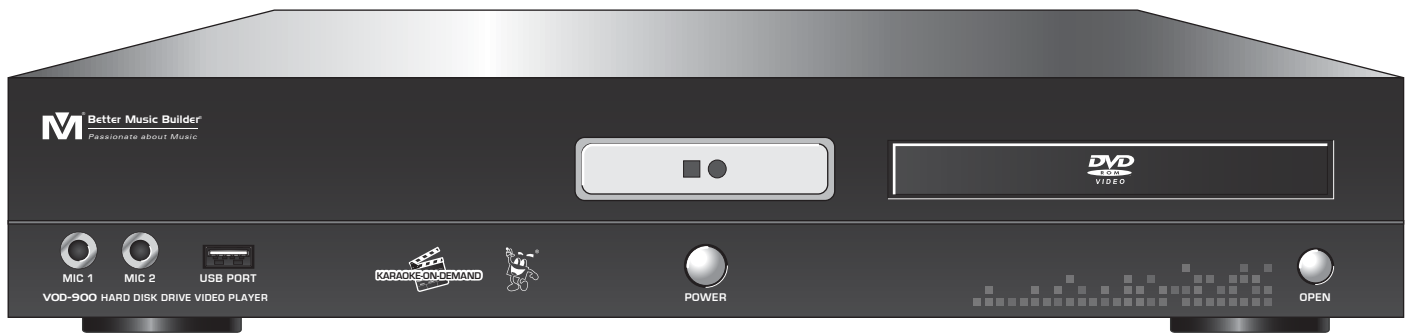
DEALER WEBSITE <http://www.> _____

DEALER PHONE # _____

DEALER E-MAIL _____



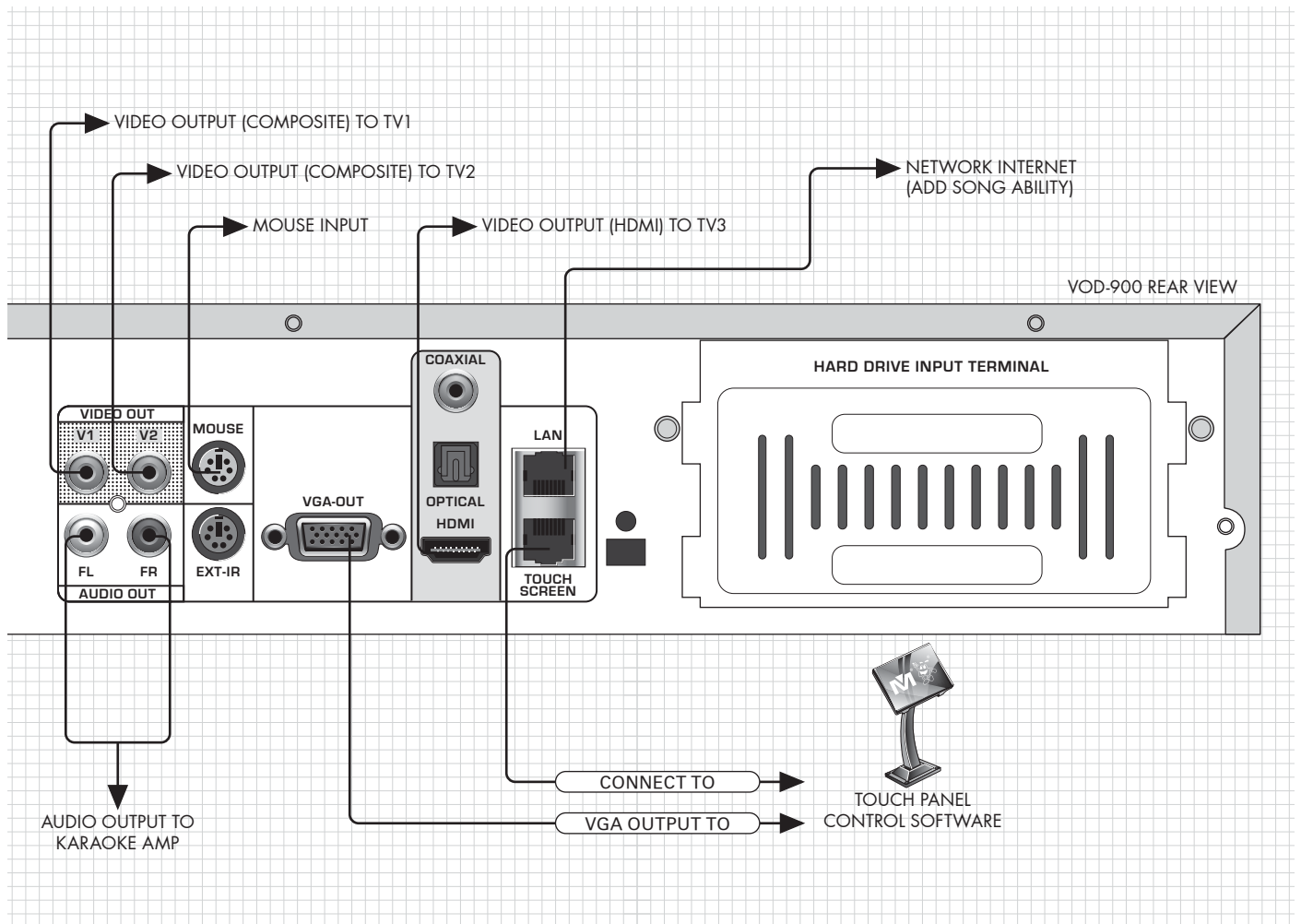
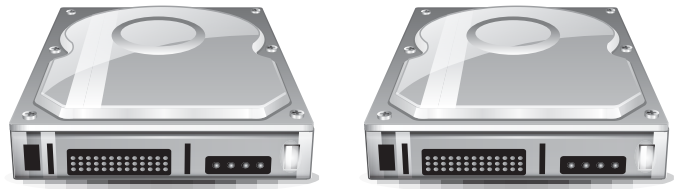
NEW PRODUCTS (MUSIC SOURCE)



HARD DISK DRIVE VIDEO PLAYER VOD-900

The VOD-900 will be the first multimedia player produced by Better Music Builder. This player comes with high definition capabilities and has two hard drive ports for your data. It comes with pre-installed software to manage your all your audio and video. Please understand copyright laws in your region regarding the music data that are being used.

DUAL HARD-DRIVE



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.

