

# Acesonic



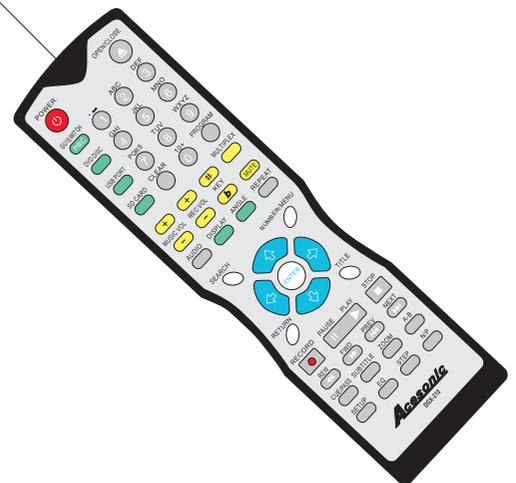
## DGX-210

# Multi-Function Karaoke Player

With Digital Recording & MP3G Ripping Function

## USER'S MANUAL

V.3



### CAUTION:

To assure this player will work at its best, please read this user's manual carefully before operation and keep for future reference.

[www.acesonic.com](http://www.acesonic.com)

# Warnings, Cautions and Others

## Mises en garde, precautions et indications diverses



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

### CAUTION

To reduce the risk of electrical shocks, fire, etc:

1. Do not remove screws, screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

### FCC INFORMATION (U.S.A.)

1. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. 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 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/TV technician for help.

2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use product in the U. S. A.

### For Canada/Pour le Canada

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, AND FULLY INSERT.

**ATTENTION:** POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

### For Canada/Pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FORM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED DIGITAL APPARATUS, ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS. CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIO ELECTRIQUES APPLICABLES AUX APPAREILS NUMERIQUES DE CLASSE B PRESCRITES DANS LA NORMESUR LE MATERIEL BROUILLEUR: APPAREILS NUMERIQUES , NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

### Caution

Disconnect the electrical plug to shut off power completely. The POWER on the unit is not off from the electrical plug when the POWER button on the front panel is not pressed in.

### IMPORTANT FOR LASER PRODUCTS

1. **CLASS1 LASER PRODUCT**
2. **DANGER:** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CATION:** Do not open the top cover. There are no user service able parts inside the unit. Leave all servicing to qualified service personnel.
4. **REPRODUCTION OF LABEL:** CAUTION LABEL, PLACED INSIDE THE UNIT.

## Important Safety instructions

1. **Read** These Instructions.
2. **Keep** These Instructions.
3. **Heed** All Warnings.
4. **Follow** All Instructions.
5. **Do not** use this product near water.
6. **Clean** only with dry cloth.
7. **Do not** block any ventilation openings.
8. **Do not** install near any heat sources such as radiators, heat register, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not** defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. **Protect** the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only** use attachments and accessories specified by the manufacturer.

12. **Use** only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart.



13. **Unplug** this apparatus during lightning storms or unused for long period of time. Apparatus combination to avoid injury from tip-cover.
14. **Refer** all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **This** product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
16. **Protective Attachment Plug**  
The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

### 17. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

### 18. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

### 19. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

### 20. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

### 21. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

### 22. Wall or Ceiling Mounting

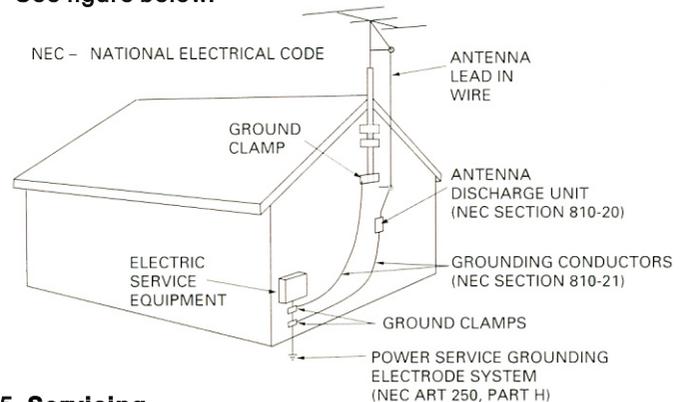
The product should be mounted to a wall or ceiling only as recommended by the manufacturer. Any mounting of the product should follow the manufacturer instructions, and should use a mounting accessory recommended by the manufacturer.

### 23. Wet location marking

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

### 24. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.



### 25. Servicing

If your product is not operating correctly or exhibits a marked change in performance and you are unable to restore normal operation by following the detailed procedure in its operating instructions, do not attempt to service it yourself as operating instructions, do not attempt to service it yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personal.

# Acesonic DGX-210

## **Included Accessories**

Please check that you have all of the following accessories supplied to you. If anything is missing, please contact your dealer immediately.

- \*RCA Audio/Video Cable (Yellow/Red/White)
- \*Power Cable
- \*Remote Control
- \*2 AAA Battery
- \*User's Manual
- \*Rack-Mount Kit

## **About this manual**

The display window information and On Screen Display (OSD) menu items are all in upper case letters.

## **Precautions**

### **Notes on Power Cord**

- \*When you are away on travel or otherwise for an extended period of time, unplug the unit from the wall outlet.
- \*When unplugging the player from the wall outlet, always pull the plug, not the cord.
- \*Do NOT handle the power cord with wet hands.

### **Avoid Moisture, Water and Dust**

- \*Do not place the player in a moist environment or in area where there might be an excessive amount of dust build up (e.g. near a fan).
- \*If water or any liquid should get into the unit, turn off the power and unplug the unit from the wall outlet immediately. Consult your dealer or an authorized repair station. Using the unit in this state may lead to fire or electrical shock.

### **Avoid High Temperatures**

- \*Do not expose the player to direct sunlight or near any heating device.

### **Notes on Installation**

- \*Select a place where the unit will be level, dry, and not too cold or hot.
- \*Do not use unit on its side or where subject to vibrations (e.g. speakers).
- \*Leave sufficient distance between the TV and unit.
- \* Do not leave heavy objects on top of unit.

### **Prevent Unit Malfunction**

- \*No parts in this unit are user-serviceable. If the unit no longer functions, unplug it from the wall outlet and contact your dealer for service options.
- \*Never block the vents on the unit. Vents are used to circulate air and keep the temperature of the player down. Blocking the vents may result in damage of the unit.

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## Specification:

1 Year Manufacturer Warranty  
Lifetime Technical Support  
NTSC/PAL Worldwide Compatible  
Universal Power Supply: AC100~240V  
Player Dimension: 430(W)x225(D)x55(H)mm  
Designed In U.S.A

# Before Operation

## Playable Media

This unit supports the following disc formats:

\*DVD, AVI, Video CD, Video CD 2.0

\*CD+Graphics, Audio CD, HDCD.

\*MP3, MP3+G, JPEG, Kodak, MPEG

Above media is playable on the following discs:

\*DVD±R, DVD±RW, DVD±R DL, DVD±RW DL, CD-R/RW

Card reader compatible format\*: SD, Mini SD, MMC

\*Only support FAT32 format

### NOTE

\*Any disc that is not listed above will cause the player to display "NO DISC" in the DISPLAY WINDOW. Future media and disc formats maybe supported with firmware upgrades, when available.

\*Encoding methods of some media formats may affect the playback (e.g. Unable to fast forward or fast backward or load time). Be sure that the encoding process conforms to the standards for that particular format.

\*Dirty, scratched, warped, and defective discs may cause a considerable time delay during the loading and reading of the disc. In extreme cases, this may render the disc completely unreadable by the player.

## Video Signal Formats

This player also accommodates NTSC and PAL color systems, with automatic detection and override settings.

## Digital Audio Formats

This player accommodates stereo, analog and few digital Hi-Fi audio signals.

### NOTE

\*Depending on the AUDIO SETUP> SPDIF settings digital audio signals may not be output as they are recorded on the disc.

## Notes Regarding Discs

\*Some DVD's, the player starts playback automatically after inserting the disc, regardless whether or not PLAY BACK CONTROL is on or off.

\*The image may be poor, noisy, or grainy due to actual defects on the disc itself.

\*Some functions may not be possible on all discs as described in this manual.

## Handling and Cleaning of Discs

### Handling

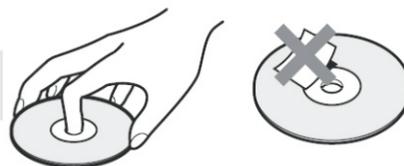
\*At anytime, when handling discs, always hold them from their edges and/or by the circle in the center.

\*NEVER write on the any surface of the disc for it may render the disc unreadable.

\*Store discs in a clean and dry environment. Storing CD's vertically will also help prevent warping.

\*After use, insert CD into jacket or case to minimize wear and tear DO NOT stack CDs on top of one another.

\*Do not bend or press the disc. Do not expose the disc to direct sunlight or any heat source.



### Cleaning

\*Wipe the discs from time to time using a soft cloth. Always wipe from the center towards the edges. NOT in circular motions.

\*DO NOT clean with any other cleaning solution, unless it is specifically made for disc cleaning.

### NOTE

CDs revolve at very high speeds inside of players. Never attempt to play cracked or warped CDs; doing so may cause the disc to shatter inside or the player to malfunction.

### CAUTION

#### Power-Cord

Handle the power cord only by its plug, do not unplug the power cord by tugging or yanking on the cord. Touching or unplugging the cord while your hands are wet may lead to an electric shock or a short circuit. If the cord becomes damaged or its wires become exposed, please replace the cord as soon as possible in order to prevent an electric fire or shock. Check the power cord every few months to ensure it is functioning properly.

# FRONT PANEL FUNCTIONS AND OPERATION:



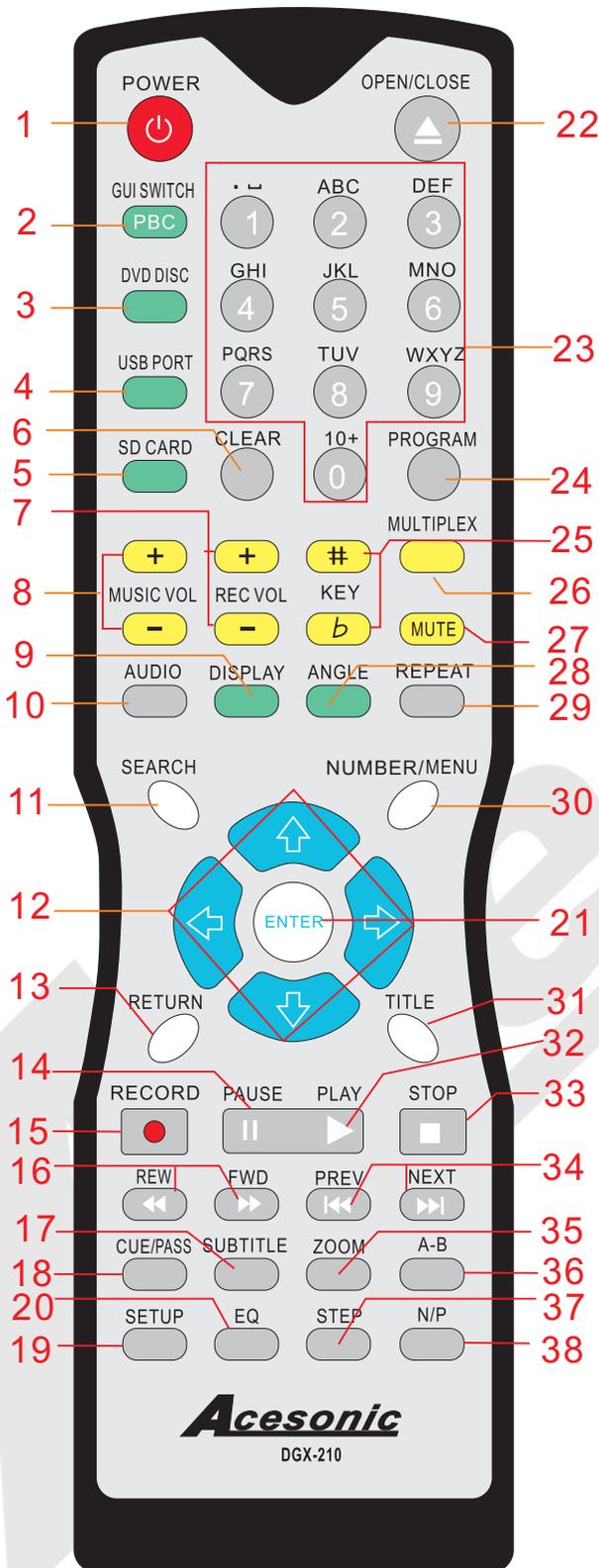
1. **POWER** - Press the button to turn the unit on or off.
2. **MIC 1 & 2 INPUT jacks** - Connects microphones with 1/4 inch plug.
3. **MIC 1 & 2 VOL knob** - Used to control the volume output from MIC CHANNEL 1 & 2.
4. **ECHO knob** - Used to control the amount of ECHO applied to MIC CHANNELS 1 & 2.
5. **CARD READER** - use this card reader to play or record MP3+G songs. We would recommend using high speed (class 4 or higher) HDSC cards for smoothly recording and playback. \* Support FAT32 format only
6. **USB INTERFACE** - Use this interface to connect USB devices such as flash drives or external hard drives. You can play MP3, VCD, MP3G audio/files. \* support FAT32 format only
7. **REMOTE SENSOR window**- Receive signals from remote control.
8. **DISPLAY WINDOW** - Displays player status such as time, disc format, and song number. If no disc is in the tray, the display window will display **NO DISC**. Detailed information will also be shown on the TV screen.
9. **DISC TRAY** - Press to open tray. Press or to close the tray, it will play the disc automatically.
10. **STOP** - Stops playing or recording.
11. **PLAY/PAUSE** - Start to play the disc or temporarily suspends playing.
12. **PREV** or **NEXT** - Press to go to the previous or next track
13. **OPEN/CLOSE** - Used to open and close disc tray.
14. **KEY CONTROL Buttons** -  
- button: used to flatten by a half tone.  
+ button: used to sharpen by a half tone.
15. **RECORD Button** - Press this button to start recording singing (audio MP3 file only) from VCD or CD discs, or record MP3+G(A/V files) from CDG or MP3G disc files.
16. **RETURN** - Used to return to previous level of the menu.
17. **NUMERIC KEYS 0-9**: Used to input track selections or programming purposes. Note: In the Play Back Control (PBC) function operation, the number keys are additionally utilized for the selection of menu items.
18. **L/R**- Selects Left/Right, MONO, and Stereo audio output for CDs and audio track for DVDs.
19. **UP/DOWN** - Used to the selection of the MP3G files.
20. **ENTER** - Used to confirm the selection.
21. **DVD/USB** - Used to the switch between DVD mode, USB mode and CARD mode.

# BACK PANEL FUNCTIONS AND OPERATION:



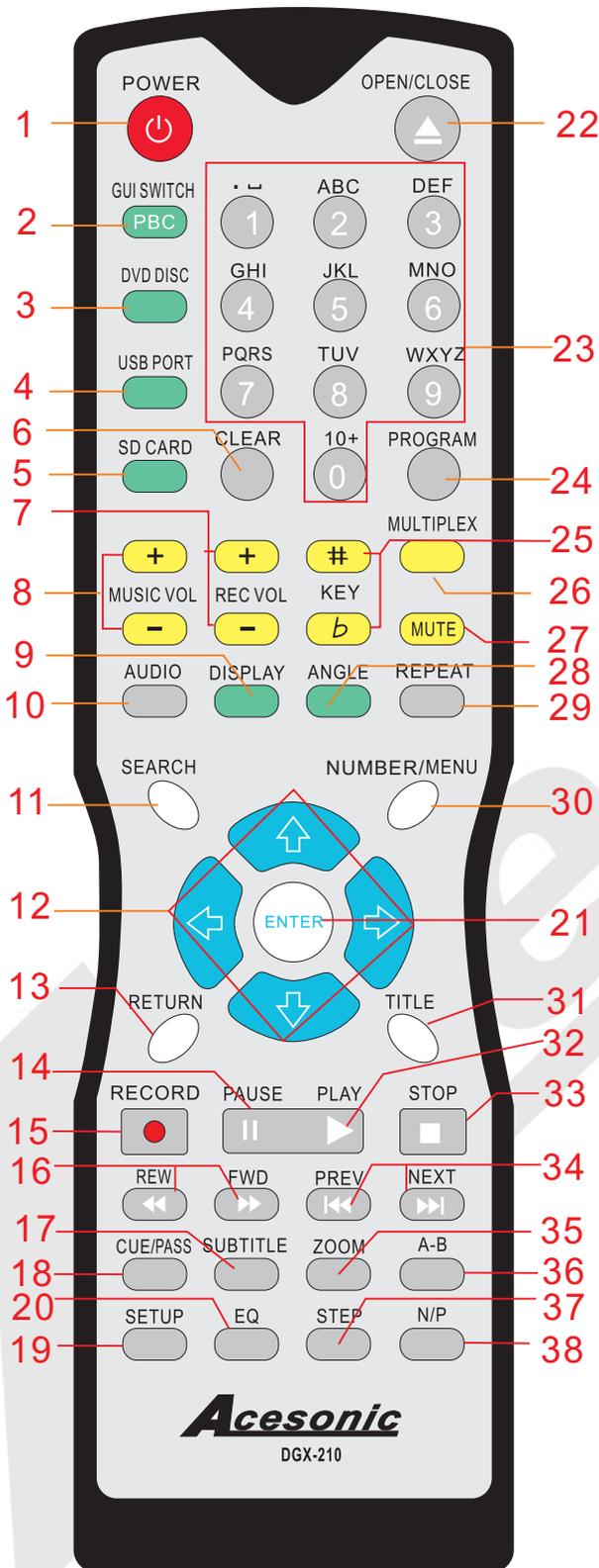
1. **ELECTRIC PLUG** - Connection to auto-detect AC power supply (100-240V, 50-60 Hz).
2. **OPTICAL OUTPUT** - Optical output for connection with a digital amplifier or receiver for Dolby Digital or DTS sound. Please change settings in the SETUP menu before using it. \*Karaoke does not work while using OPTICAL output.  
SETUP> AUDIO SETUP> SPDIF OUTPUT> SPDIF/RAM OR SPDIF/PCM
3. **S-VIDEO OUTPUT** - Output for use in S-VIDEO input.
4. **RCA VIDEO OUTPUT** - Yellow RCA outputs for use in TVs with composite inputs.
5. **COAXIAL OUTPUT** - Coaxial digital output to connect with a digital amplifier or receiver for Dolby Digital or DTS sound. Please change in the SETUP menu before using it. \*Karaoke does not work while using COAXIAL output.  
SETUP> AUDIO SETUP> SPDIF OUTPUT> SPDIF/RAM OR SPDIF/PCM
6. **SCORING** - Support scoring function from outside audio inputs like amplifiers or receivers. Please change the setting in the SETUP menu before use.  
SETUP> AUDIO SETUP> SCORE> ON
7. **5.1 CHANNEL AUDIO OUTPUT** - RCA outputs for analog 5.1 digital output. To use 5.1 channels, press 5.1CH on the remote or change settings in the SETUP menu before using 5.1 channels. See below.  
SETUP> SPEAKER SETUP> DOWNMIX> OFF  
SUBWOOFER> ON
8. **MIXED AUDIO OUTPUT** - Red and white RCA outputs for mixed vocals and music audio output.

# Remote Functions



- 1. POWER BUTTON** - Turns the player on or off.
- 2. GUI SWITCH/PCB BUTTON** - In MP3G mode, press the button to switch between windows and playback display mode. PBC: this function is only available for video-cd version 2.0 or higher. The function of PBC may differ by different discs. When PBC mode is on, users can select items in the menu by using the PREVIOUS/NEXT keys. When PBC mode is off, users can not select items in the menu, but you can use the numeral keys directly or the PREVIOUS/NEXT keys.
- 3. DVD DISC** - Press to change to the disc mode.
- 4. USB PORT** - Press to change to USB mode if USB devices is connected.
- 5. SD CARD** - Press to change to SD card mode.
- 6. CLEAR BUTTON** - Used to delete all programmed tracks you have entered.
- 7. REC VOL** - To adjust the vocal volume while recording singing.
- 8. MUSIC VOL** - To adjust the volume of music audio output.
- 9. DISPLAY BUTTON** - Show the elapsed or remaining time for single track or the total disc.
- 10. AUDIO BUTTON** - Press to select an audio sound track option for DVD discs.
- 11. SEARCH BUTTON** - You may directly enter a time to search for a disc; the disc plays from that point.
- 12. DIRECTION (↑↓←→)** - Used for navigation in the selection menu.
- 13. RETURN** - Used for operation with the PCB function. This button is used to return to a menu screen while playing.
- 14. PAUSE BUTTON** - Press the button while the disc is playing, to pause playback.
- 15. RECORD BUTTON** - Press this button to start recording singing (audio MP3 file only) from CD/VCD discs or record MP3+G (A/V files) from CDG/MP3G discs or files. Users can change the title of the recorded files before beginning to recording. \* Ripping a single file from CDG or MP3G disc, simply press **REC** button to start recording. \* Ripping whole CDG or MP3G discs to MP3G files, please press **REPEAT** button until the screen shows **REC ALL** and then press the record button. The title of the songs cannot be modified while ripping whole disc.
- 16. FWD>> << REW BUTTONS** - Press FWD button to shift the playing location forward quickly. Press REW button to shift the playing location backwards quickly.
- 17. SUBTITLE BUTTON** - From DVD discs, press SUBTITLE repeatedly until the desired language is selected.

# Remote Functions



**18. CUE /PASS - Cue:** Switching the mode between Karaoke and DVD. In Karaoke mode, player will be paused after one track has finished playing. In DVD mode, all tracks will be played continually. \* Karaoke mode= Cue on, DVD mode= Cue off.

**Pass:** When playing the DVD disc, users can press the PASS button to skip the menu and play the track or movie directly.

**19. SETUP BUTTON-** Press the button to SETUP menu.

**20. EQUALIZER BUTTON -** Select from 7 types of equalizers or define your personal one.

**21. ENTER BUTTON -** Used to confirm entry or selection.

**22. OPEN/CLOSE BUTTON -** Used to open and close tray door. When it is open, The disc will come out and indicator is on, press again, indicator is off.

**23. NUMERIC KEYS 0-9 -** Used to input selections for track selection or programming purposes. In the PBC function, the number keys are additionally used for the selection of menu items.

**24. PROGRAM BUTTON -** To program tracks, press STOP then press PROGRAM. Enter your tracks selection and press PROGRAM again to accept. Press the PLAY to start programmed tracks.

**25. SHARP BUTTON (#) -** Raises the key by a half tone.

**NATURAL BUTTON (b) -** Return to original key tone.

**26. MPX -** Switch between the left mono , the right mono or stereo sounds. Use to turn vocal on/off on multiplex CD+G or VCD disc.

**27. MUTE BUTTON -** Turn the sound On or Off.

**28. ANGLE BUTTON -** When playing DVD, select view for multi-angle.

**29. REPEAT BUTTON -** Allows you to repeat a track or disc.  
1.Repeat a track - Press REPEAT, the screen shows REP ONE, the unit plays the current track.

2.Repeat all - Press REPEAT, the screen shows REP ALL, the unit plays all the tracks on the disc.

\* See more function in CD+G mode on Page 14

**30. NUMBER/MENU BUTTON -** Press MENU once to return to the root menu for DVD's.

\* You can search by song-number using numbers keys in USB/SD mode. See more on page 15.

**31. TITLE BUTTON -** DVD's have an indication number which makes it easy to locate chapters.

\* You can search by title using alphanumeric keys in USB/SD mode. See more on page 15.

**32. PLAY BUTTON -** Press to begin playback or to close disc tray and begin playing automatically.

**33. STOP BUTTON -** Press to STOP playback.

**34. SKIP FORWARD BUTTON -** Press to go to the beginning of the next track.  **SKIP BACKWARD BUTTON -** Press to go to the beginning of the current or previous track.

**35. ZOOM BUTTON -** Used to enlarge a section of video or picture currently being viewed.

**36. A-B BUTTON -** A-B REPEAT allows you to repeat a segment of a track until stopped. To use this function:

1.Set a starting point A.

2.Set an end point B.

Afterwards, the unit plays from A to B.

3. Press A-B again, till A-B disappears.

**37. STEP -** Press to play the frame step by step. Press the PLAY button once to return to normal playback.

**38. P/N BUTTON -** PAL/NTSC switch. Press P/N and within 2 seconds, press ENTER to complete switch.

# Player Connections

## USB & SD CARD

Note:

We can not guarantee this machine will read and play all USB memory devices.  
**\*See more information on Page 8.**  
 We recommend using USB version 2.0, class 4 or higher SD cards for smooth recording and playback.



\* Please see page 17 for supported files format when playback in the USB/SD card mode.

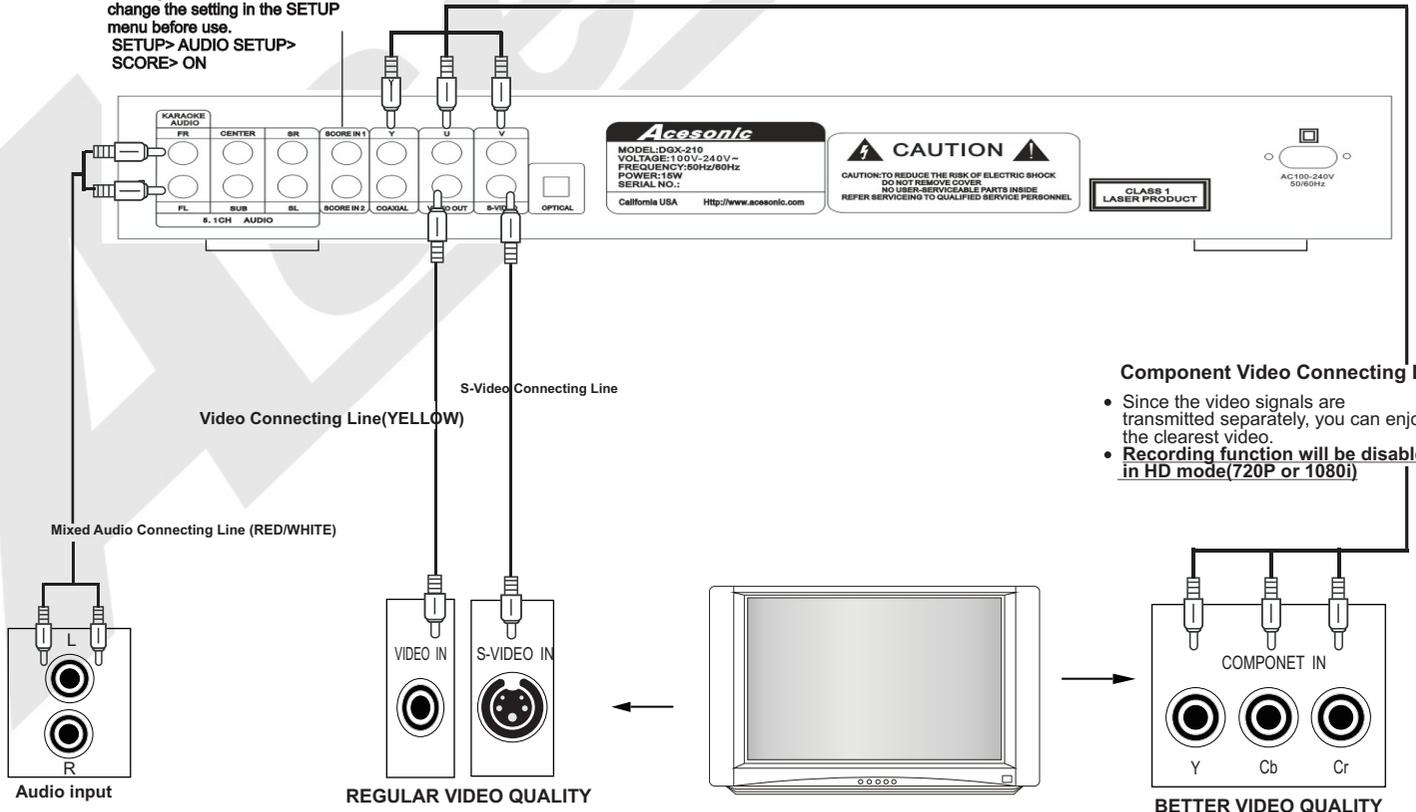
## A/V Connection

Make sure all power is disconnected from each component before connecting. Plug all cords securely to prevent unwanted noise.

You cannot connect this player to a TV that does not contain a video input jack. The player must be connected to a TV or amplifier that is connected to a TV or monitor. The TV or amplifier must also contain audio input jacks (left and right channel).

If you wish to use this player in karaoke mode, you must have your player connected as the picture below.

**SCORE INPUTS** - Support scoring function from outside audio inputs like amplifiers or receivers. Please change the setting in the SETUP menu before use.  
 SETUP> AUDIO SETUP> SCORE> ON



### Component Video Connecting Line

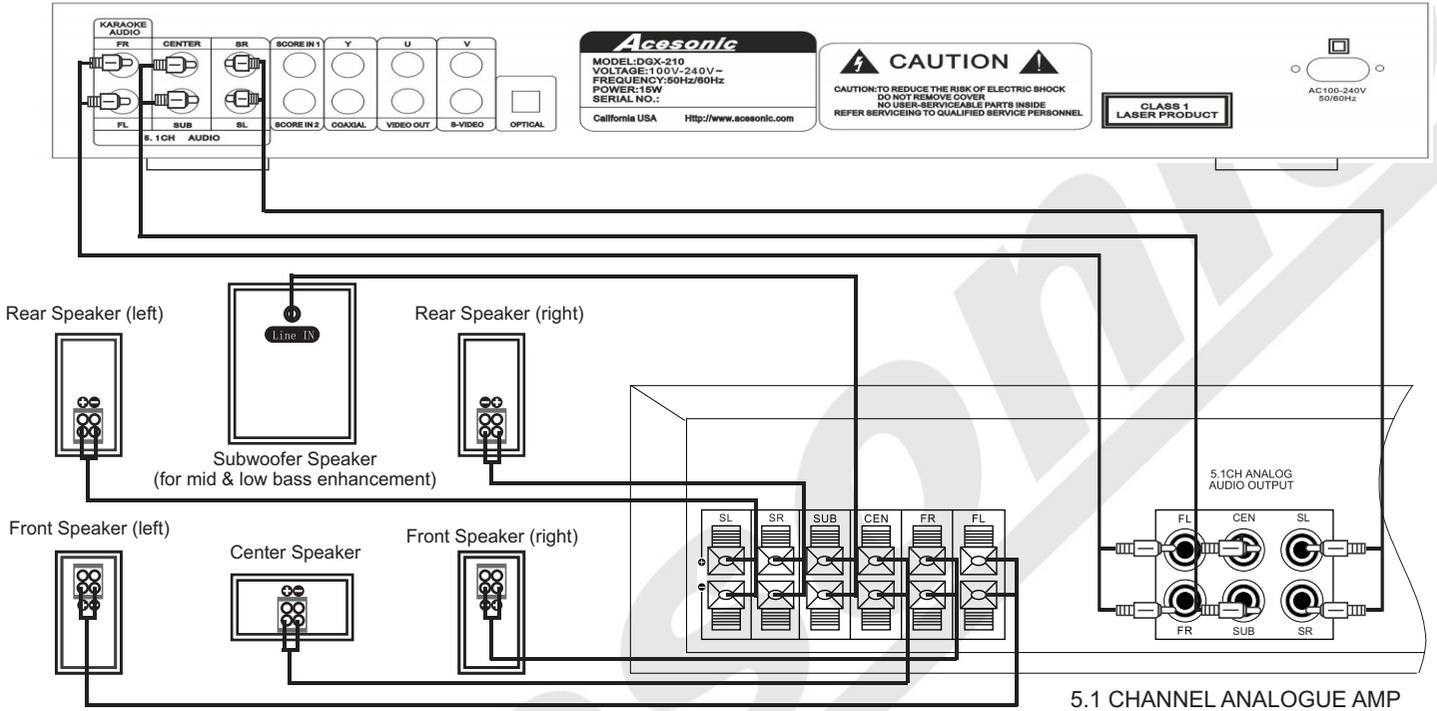
- Since the video signals are transmitted separately, you can enjoy the clearest video.
- **Recording function will be disabled in HD mode (720P or 1080i)**

# Player Connections

## MAKING THE CONNECTION BETWEEN DGX-210 WITH 5.1 CHANNEL AMPLIFIERS

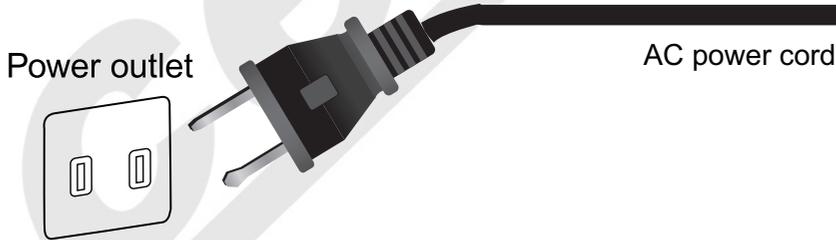
You can connect your DGX-210 with 5.1 channel amplifiers as shown below:

**NO Microphone audio will be outputted in 5.1 Channel mode**



## POWER CONNECTION

When you have completed all other connection, plug the power cord into an AC outlet.



**Note:**  
DGX-210 power supply: 100V-240V 50/60Hz.

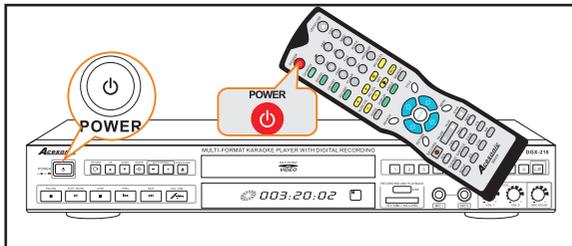
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Caution:** Make sure the voltage of the AC outlet matches the requirement of your karaoke system.

# Basic Operation

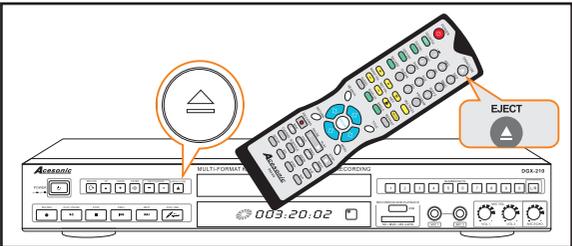
## Basic Playback

Turn on the DGX-210



### Loading A Disc

1. Press **EJECT** to open the disc tray.
2. Place a disc in the disc tray.
3. Press **EJECT** to close the disc tray.
4. The Disc will play automatically



### If A Menu Is Shown On The TV Screen

When inserting a DVD or VCD disc, a menu may be displayed before playback. From the menu, you may select a desired item to be playback.

#### For DVD Video

1. Use the arrow keys to select the track desired
2. Press **ENTER** and the player will playback the selected track.

#### For Video CD

1. Press the numeric buttons to select a desired item. The player starts playback of the selected item.

### NOTE

\*Do NOT insert a damaged disc

\*If a disc takes more than usual to read or the DISPLAY WINDOW shows LOAD for an extended period of time, press EJECT on the remote or from the front of the unit and check disc for any dirt/fingerprints or defects.

### To End Playback

Press STOP to end playback.

### To Resume Playback

On DVDs and VCDs, you can resume playback by pressing the **PLAY** button.

### To Stop Playback Completely

Press the **STOP** button twice. Now when you press the **PLAY** button, it will begin from the beginning of the disc. Also, if you eject the disc, the playback completely stops and ejects the disc.

### To Pause Playback

Press the **PAUSE** button to pause playback. To resume, press either the **PLAY** or **PAUSE** button.

### To Advance Or Reverse Playback While Viewing

During playback on DVDs and VCDs, press **FAST FORWARD**>> or **FAST BACKWARD**<< on the remote unit. You can select from 2 times, 4 times, 8 times, 20 times the normal playback speed.

\*During forward or reverse, the sound will be muted.

### Play back from USB and SD card devices

#### NOTE

Please note, the DGX-210 is not a computer system and so it cannot support large external hard drives and any storage device containing more than **2,000 files**. For example, 2,000 MP3s files or 2,000 MP3G songs (each MP3G contains 2 files adding up to 4,000 files; .cdg + .mp3 = MP3G).

The DGX-210 may support 2.5" external hard drives that do not require an external power source but we cannot guarantee it will support all models. Acasonic recommends using a USB flash drive formatted to **FAT32** but due to the many different brands available, we cannot guarantee every USB flash drive will work. Please try another brand if you are experiencing compatibility issues.

#### USB port and operation

You can play your own video and audio files (supports Mp3, CD+G, MP3G, DVD, AVI, and DivX formats) stored in external memory devices (e.g., flash drive, and card reader) by connecting any one of such devices to USB port on DGX-210. Notice: these devices have to be FAT32 format to be able to play content. \* See page 17 for supported file formats..

If no disc is being played, audio and video files from external memory device which connects to USB will automatically be selected and played. Otherwise, if you need to switch to USB playback:

1. Press the **STOP** button.
2. Press **USB PORT BUTTON** to make the USB menu appear on the screen.
3. Select a song from the song list
4. Press **ENTER** to play
5. Press **DVD DISC BUTTON** to switch back to DVD playback.

#### SD, MMC and mini SD slots

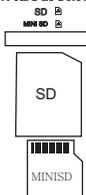
You can play video and audio files (supports MP3, CD+G, MP3G, DVD, AVI, and DivX formats) stored in SD, MMC and SD by connecting any one of such devices to slots. \* See page 17 for supported file formats.

If no disc is being played, the unit mode switch will automatically select memory card to play audio and video files from the external memory devices connected. Notice: these devices have to be FAT32 format to be able to play content.

If you need to switch to memory card playback:

1. Press **STOP**
2. Press **SD CARD BUTTON** to make the SD CARD menu appear on the screen.
3. Select **SD CARD**
4. Press **ENTER** to play your selection

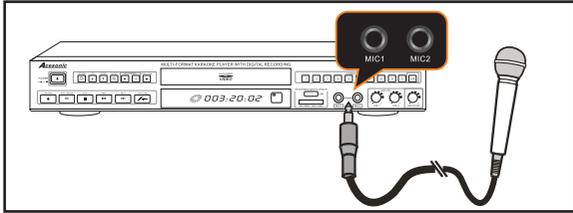
Insert card as below



# Basic Operation

## Karaoke - USING MICROPHONE

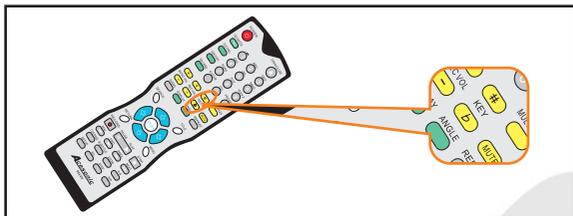
The system has 2 microphone inputs.  
Connected up to 2 microphones to this players.



## Karaoke - MICROPHONE MIXER

When a microphone is plugged into MIC1 or MIC2, the system mixes the music with your voice.

1. Press POWER button to turn on the system.
2. Load a Karaoke Disc.
3. Press PLAY button to start playing.
4. Adjust MASTER VOLUME on the remote controller.
5. Adjust Microphone volume on the remote controller.
6. Starting singing while the song is playing.
7. Adjust ECHO level on the remote controller to the desired echo level.

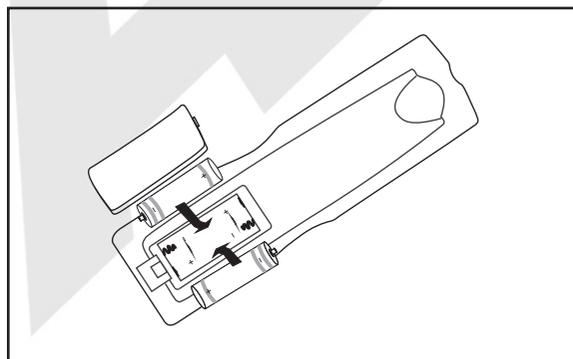


## Karaoke - REMOTE CONTROL

### Putting batteries in the remote control

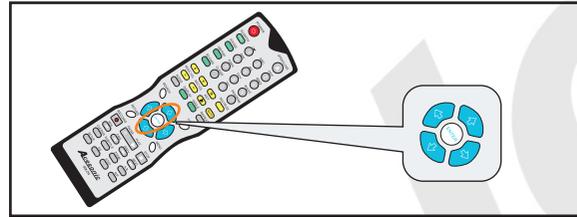
The battery compartment is located on the back of the remote control.

1. Open the lid of the remote control battery compartment.
2. Put 2 AAA batteries  
Make sure that the batteries are put with the positive and negative terminals in the correct direction corresponding to the (+) and (-) marks in the battery compartment.
3. Install the lid of the remote control battery compartment.



## Karaoke - MICROPHONE ECHO

You can adjust echo while recording by pressing the up or down directional keys on your remote. This feature is only available while recording is in progress.



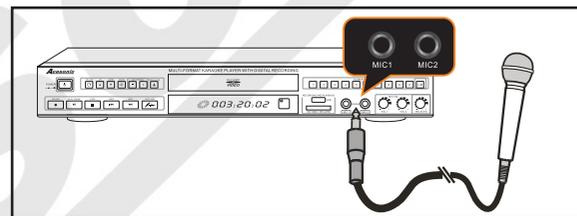
## Karaoke - SCORING GAME

1. To start scoring game, please change the setting in the SETUP menu first.

**SETUP> AUDIO SETUP> SCORE> ON**

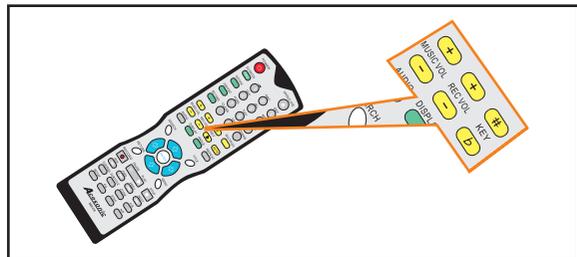
2. Start playing the song.
3. Start singing while the song is playing.
3. A score will be displayed towards the end of the song.

\* The microphone must be connected and singing must be detected to get a score.



## Karaoke - MUSIC & RECORD VOLUME & KEY WHILE RECORDING

While recording, you can adjust the volume of music and record on the remote control. Also, you can adjust the key at the same time.



# Basic Operation

## SYSTEM SETUP

Unload the Disc then:

Press **SETUP KEY** to open the **Setup MENU**.

### ● TV SYSTEM

- 1) Press Direction KEY [ ▼ ] to choose "TV SYSTEM" .
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select the TV system [NTSC/ PAL/AUTO].

### ● SCREEN SAVER

- 1) Press Direction KEY [ ▼/▲ ] to choose "SCREEN SAVER".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select "ON" or "OFF".
- 4) Press **ENTER** to confirm it.

If "ON" option is selected, the DVD will play the "SCREEN SAVER" when it stands by.

### ● VIDEO

- 1) Press Direction KEY [ ▼/▲ ] to choose "VIDEO".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select Video Output Mode.
- 4) Press **ENTER** to confirm it.

\* **NOTE:** The Output Mode: YUV/TV-RGB/P-SCAN/YPBPR/PC-VGA/S-VIDEO. Make sure TV and DVD was in RIGHT connection before setting.

### ● TV TYPE

- 1) Press Direction KEY [ ▼/▲ ] to choose "TV TYPE".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select TV TYPE.
- 4) Press **ENTER** to confirm it.

\* **NOTE:** TV TYPE: 4:3PS, 4:3LB or 16:9. Some discs can not be played as your selection because that disc was not recording in the same format.

### ● PASSWORD

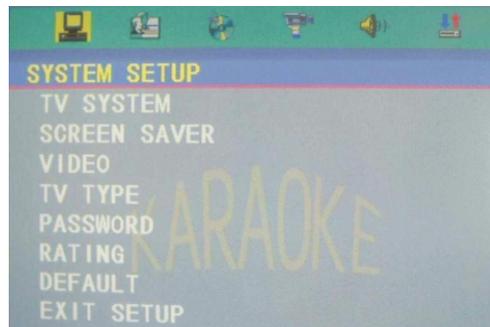
- 1) Press Direction KEY [ ▼/▲ ] to choose "PASSWORD".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press the **Numeric KEY** to input new password if necessary.
- 4) Press **ENTER** to confirm it.

\* **NOTE:** The password should be four numbers. The default password is "0000".

### ● RATING

- 1) Press Direction KEY [ ▼/▲ ] to choose "RATING".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select the "RATING" if necessary.
- 4) Press **ENTER** to confirm it.

\* **NOTE:** "RATING" can be set only in UNLOCK PASSWORD state. This function should be supported by the DISC.



## LANGUAGE SETUP

Unload the Disc then:

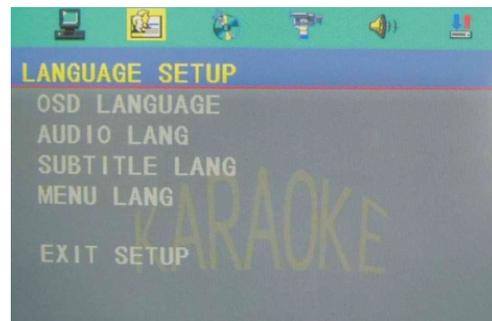
Press **SETUP KEY** to open the **Setup MENU**.

Press Direction KEY [ ◀/▶ ] to select the "LANGUAGE SETUP". The Sub-MENU:

- OSD LANGUAGE
- AUDIO LANGUAGE
- SUBTITLE LANGUAGE
- MENU LANGUAGE

### ● OSD LANGUAGE

- 1) Press Direction KEY [ ▼/▲ ] to choose "OSD LANGUAGE".
- 2) Press Direction KEY [ ► ] to show Sub-MENU.
- 3) Press Direction KEY [ ▼/▲ ] to select the language.
- 4) Press **ENTER** to confirm it.



# Basic Operation

## ● AUDIO LANGUAGE

- 1) Press Direction KEY [▼/▲ ] to choose "AUDIO LANGUAGE".
- 2) Press Direction KEY [▶ ] to show Sub-MENU.
- 3) Press Direction KEY [▼/▲ ] to select the Language [ ENGLISH, GERMAN, FRENCH , SPANISH ].
- 4) Press ENTER to confirm it.

## ● SUBTITLE LANGUAGE

- 1) Press Direction KEY [▼/▲ ] to choose "SUBTITLE LANGUAGE".
- 2) Press Direction KEY [▶ ] to show Sub-MENU.
- 3) Press Direction KEY [▼/▲ ] to select the Language [ ENGLISH, GERMAN, FRENCH , SPANISH ].
- 4) Press ENTER to confirm it.

## ● MENU LANGUAGE

- 1) Press Direction KEY [▼/▲ ] to choose "MENU LANGUAGE".
- 2) Press Direction KEY [▶ ] to show Sub-MENU.
- 3) Press Direction KEY [▼/▲ ] to select the Language[ ENGLISH, GERMAN, FRENCH , SPANISH ].
- 4) Press ENTER to confirm it.

\*NOTE: AUDIO LANGUAGE, SUBTITLE LANGUAGE, and MENU LANGUAGE should be supported by a DICK function.

## AUDIO SETUP

### Unload the Disc then:

Press SETUP KEY to open the Setup MENU.

Press Direction KEY [◀/▶ ] to select the AUDIO SETUP".

The Sub-MENU contains:

- DIGITAL OUTPUT (SDIF-OFF/RAW/PCM)
- MIC SETTING
- ECHO
- KEY

## VIDEO SETUP

### Unload the Disc then:

Press SETUP KEY to open the Setup MENU.

Press Direction KEY [◀/▶ ] to select the VIDEO SETUP".

The Sub-MENU:

- BRIGHTNESS
- CONTRAST
- HUE
- SATURATION
- SHARPNESS

## SPEAKER SETUP

### Unload the Disc then:

Press SETUP KEY to open the Setup MENU.

Press Direction KEY [◀/▶ ] to select the SPEAKER SETUP.

The Sub-MENU:

- DOWN MIX(LT/RT,STERO,5.1CH)
- FRONT (LARGE/SMALL)

## DIGITAL SETUP

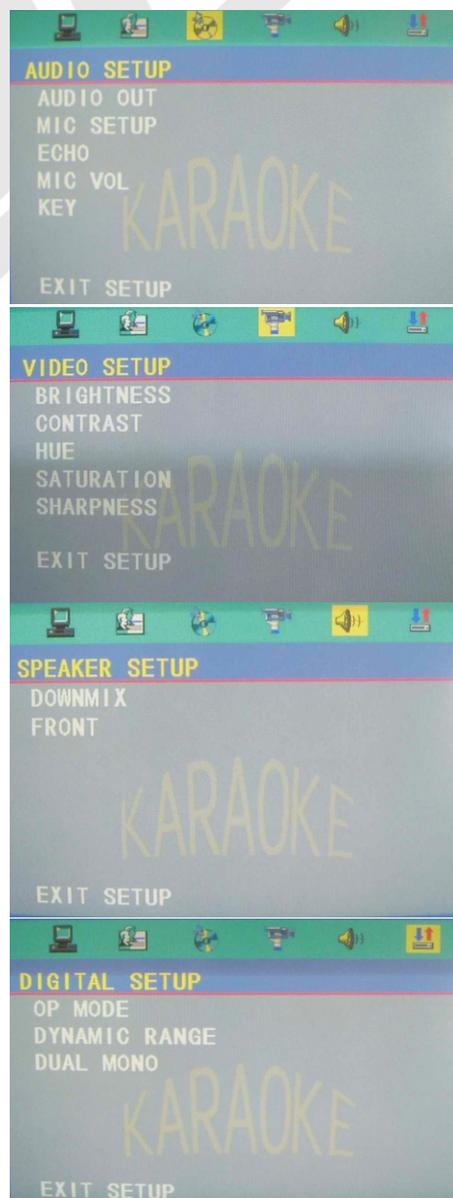
### Unload the Disc then:

Press SETUP KEY to open the Setup MENU.

Press Direction KEY [◀/▶ ] to select the SPEAKER SETUP.

The Sub-MENU:

- OP MODE(LINE OUT/RF REMO)
- DYNAMIC RANGE(FULL,6/8,4/8,2/8 and OFF)
- DUAL MONO (STEREO, MONO L/R,MIX MONO)



# BASIC RECORDING OPERATION FOR MP3+G

## WHAT IS MP3+G

An MP3+G file is a karaoke based file format that consists of two files. An audio file in MP3 form and a Graphic file which displays on screen lyrics. These two files combined are called an MP3+G file. An MP3+G file will occupy about one of the disc space required for a standard CDG track.

## The recording function on the DGX-210 offers two applications.

1. Record your vocal performance in MP3+G format and share with your friends.
2. Transfer your existing CDG's to MP3+G format.

### RECORDING A PERFORMANCE:

With a memory card already inserted, allow the DGX-210 to play a CDG in disc mode. You should hear audio and see graphics on your screen. (During this time, you will want to make any special changes that you want, (echo, key change, etc.....)

Next, simply press the "record" button on the DGX-210 or the remote control. When you do this, the singing should stop playing and a window will appear asking what you would like to title this recording. You can give it a number or a title, whatever you want. Once you have entered the title, go ahead and press the enter button.

At this point the pop up window will disappear and the DGX-210 will re-start the song from the beginning with your users setting applied. There will be a record indicator symbol in the upper left corner of the screen letting you know its recording. Now you can begin singing and the DGX-210 will record your performance.

Now you have recorded a track and you want to hear it. With your memory card inserted, press the USB mode button on the DGX-210 or the remote. A window will open displaying all files that are on the memory card. Using the directional keys, select a file for playback and press enter. The song should begin to play displaying the recorded graphic files on the screen.

### RECORDING FROM USB TO SD

Lets say you have a file that is already on your memory card in MP3+G format and you would like to record a performance over that track. The procedure would be as follows:

1. Insert your memory card with the files you would like to record your performance to. Also, insert an SD card into the slot directly underneath the USB port on your DGX-210. This is where your recordings will be stored.
2. Press the USB mode button on the DGX-210 or on the remote control. A window will open displaying all files that are on the memory card. Using the directional keys, select a file for playback and press enter.
3. Simply press the "record" button on the DGX-210 or the remote control. When you do this, the song should stop playing and a window will appear asking what you would like to title this recording. You can give it a number or a title, whatever you want. Once you have entered the title, go ahead and press the enter button.
4. At this, point the pop up window will disappear and the DGX-210 will re-start the song from the beginning with your users settings applied. There will be a record indicator symbol in the upper left corner of the screen letting you know its recording. Now you can begin singing and the DGX-210 will record your performance.

NOTE: When recording from USB drive to an SD card, the file will be sent to the "RECORD FOLDER", when you are in USB mode, pressing the "GUI switch" Button on the remote will toggle between the two windows.

# BASIC RECORDING OPERATION FOR MP3+G

## TRANSFER CDG TO MP3+G

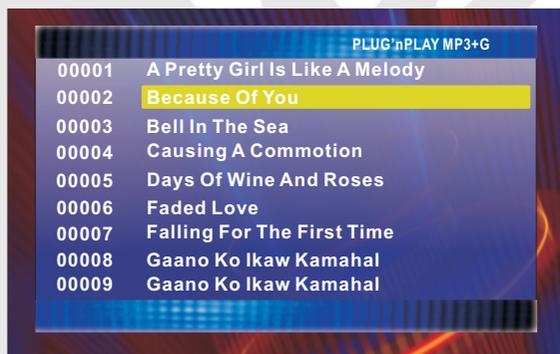
The DGX-210 can also be used to transfer CDG's to MP3+G Files. Being that an MP3+G file only occupies about one eighth of the required space for a CDG, this is great way to back up your CDG's and protect your investment. Storing files as MP3+G gives you more options with your music. For karaoke jockeys and people that frequent karaoke venues, you can now leave your CDG' at home and only travel with your USB flash drive.

1. With the DGX-210 in disc mode, insert the CDG that you would like to rip. Make your sure your desired memory card is also inserted.
2. Go ahead and allow the disc to play. If you want to rip the entire CDG, press the "REPEAT" button on the DGX-210 remote until the symbol "REP ALL" is displayed. This ensures that the entire disc will be ripped to the memory card.
3. If you only want to record a single track, press the " REPEAT" button until "REP ONE" is displayed. This ensures only the selected track will be recorded.
4. Next, simply press the "record" button on the DGX-210 or the remote control. When you do this, the song should stop playing and a window will appear asking what you would like to title this recording. You can give it a number or a title, whatever you want. Once you have entered the title, go ahead and press the enter button.
5. At this, point the pop up window will disappear and the DGX-210 will re-start the song from the beginning with your users settings applied. There will be a record indicator symbol in the upper left corner of the screen letting you know its recording.

**NOTE: when recording multiple tracks at once, you will not be able to change individual File names. Recording takes place in real time.**

## SWITCH BETWEEN 2 FILE VIEWERS-GUI SWITCH BUTTON

In the USB or SD card mode, there are two file viewers that you can choose. First one, you can see all the songs listed on the screen. Another one, you can see two windows on the screen. For the left windows, you can see all folders listed here and for the right windows, you can see all the songs listed in the folder you select.



# Advanced Operations

## Playing From A Specific Position Player

### Locating a desired scene from the DVD menu

DVD discs generally have their own menus showing the contents of the disc. These menus contain various items such as the titles of movies, names of songs, or artist information, and display them on the TV screen. You can locate a desired scene using the DVD menu.

1. Insert a DVD disc into the tray.
2. Use the arrow keys to select a desired item and press **ENTER**

### To Locate A Desired Scene From The Video CD Menu With Playback Control

Some VCDs support the PBC function and have their own menus built in. You can locate a specific scene by using the PBC menu

1. Press **STOP** then press **PBC**. "PBC ON" should appear in the right corner of you screen.
2. Using the **NUMERIC KEYS 0-9**, enter the desired song number and press **ENTER** to begin playback.

### To Locate A Desired Position In The Current Title Or Track Using Time Search

With Audio CDs, VCDs, and DVD Video Discs you can play the disc from a desired location by specifying the time during playback.

1. Press the **SEARCH** button (twice for DVDs).
2. Using the **NUMERIC KEYS 0-9**, enter the desired song number.

#### Example for DVD Video:

To play back from chapter 3 of a DVD  
Press 3 then **ENTER**  
TITLE 01/01 CHAPTER 003/11

To play back from 1 hour 21 minutes 00 seconds  
Press **SEARCH** again then **121** or **12100** then  
**ENTER**

**TIME \_ 1:21:00**

#### Example for VCD or Audio CD:

To play back from 17 minutes 15 seconds  
Press **1715** then **ENTER**

**TIME 17:15**

3. Press **ENTER** to begin playback. To dismiss the time search, press **SEARCH** again.

#### **NOTE**

\*Some DVD Video discs do not contain time information and the time search function may not work.

\*This function does not work when there are programmed tracks.

### Zooming Into Pictures

During playback or paused playback, press **ZOOM**. Each time you press **ZOOM**, the magnification is changed 1.5, 2, and 3 times. You can use the arrow keys to move the zoomed position.

## Repeating Playback

1. Press **REPEAT**. If you press **REPEAT** in stop mode, press **PLAY** to start playback. Each time you press **REPEAT**, the repeat mode cycles among REP-ALL, REP-ONE, and OFF. A window which indicates the current repeat mode will be displayed on the TV Screen.

### To Stop Repeat Playback

Press **STOP**. The unit stops playback but does not quit the repeat mode.

### To Exit Repeat Playback

Press **REPEAT** until REPEAT OFF is displayed.

## To Repeat A Desired Section (A-B Repeat)

By programming tracks, you can play up to 99 tracks in any order. You may also repeat the track by itself.

1. Press **A-B** once where you wish to begin the repeat (Point A). **A-B SET A** appears on screen.
2. Press **A-B** again where you wish to end the repeat (Point B). **A-B SET B** appears on screen. The player will now begin to repeat playback between A and B.

### To Exit A-B Repeat Playback

Press **A-B** a third time to turn off the A-B repeat mode.

#### **NOTE**

\*The A-B points must be set within the same title/chapter/track.

\*When you press **STOP** twice during DVD playback, **A-B** repeat is canceled.

#### **NOTE**

After 3 minutes of a static (still) picture displayed on the television screen (i.e. Karaoke DVD is paused half-way through playback or the menu), this unit will automatically activate the screen saver. This function is used to prevent any images from being "burned" on to the screen after a long period of time. To disable this function, go under **GENERAL SETUP> SCREEN SAVER** You have the option to enable or disable the screensaver.

# Advanced Operations

## Searching by Song Number:

In the USB/SD Card mode, you can play songs from USB/SD devices by the song number that the unit assigns the number to each song automatically.

In the USB/SD Card mode, Press NUMBER button on the remote control to start the song number ordering screen(see below picture).

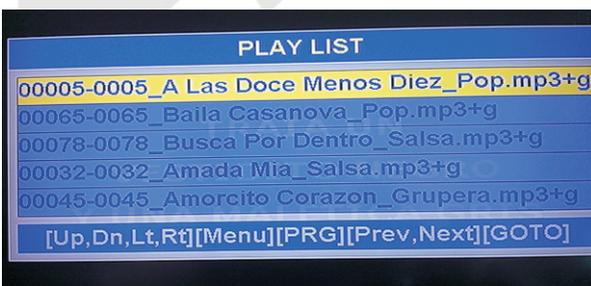
1. Press number buttons on the remote to enter song number.
2. Press CLEAN button to delete the number that you want to delete.
3. After entering a song number, press PROG to add the song into the play list(see more detail below).
4. If you want to play the song right now, press PLAY/ENTER button instead and the song will start playing right away, but it will not add into the play list.



## Play List:

In the USB/SD Card mode, you can have a programable song play list. Press PROG on the remote control to enter Play list screen(see picture below).

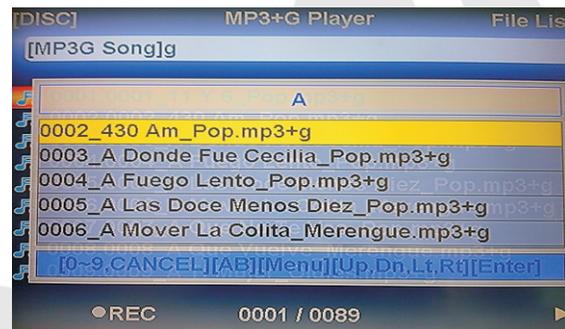
1. To add songs into the play list, you can use either Song searching by number or Song searching by title function.
2. In the play list screen, you can delete unwanted song by pressing CLEAR on the remote control.
3. In the play list screen, you can switch song order by pressing SEARCH on the remote control.
4. To leave play list screen, press PROG button on the remote control while play list screen is open.



## Song searching by title:

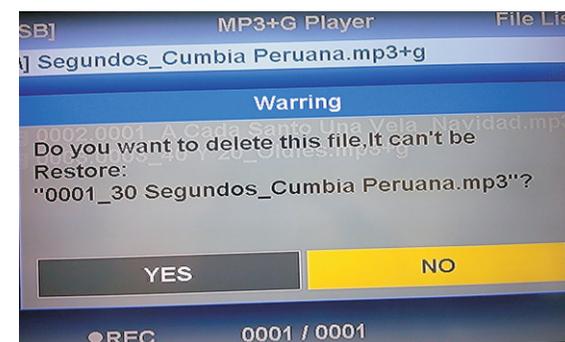
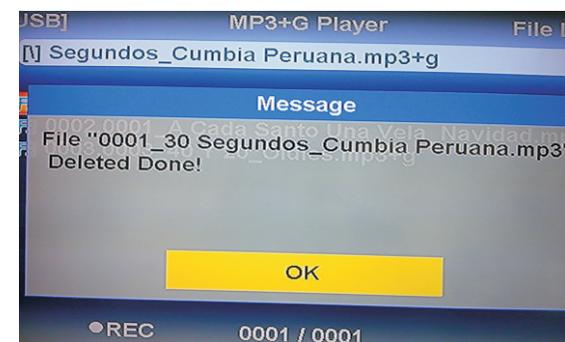
In USB/SD Card mode, you can search song by song title(file name).

1. Press TITLE button on the remote control to call out the Song searching by title screen.(see below picture)
2. To input song title, use the number buttons on the remote control and use CLEAR button to delete the unwanted character.
3. To select songs, you can use UP/DOWN button, then press ENTER or PLAY to play the selected song. Or press PROG button to save the song in to play list.
4. You can also use the virtual keyboard to input song title. To call out virtual keyboard, press TITLE then A-B button on the remote control.



## Song Deleting:

In USB/SD Card mode, select unwanted song and press CLEAR button on the remote control. There will be a pop up window to ask you to confirm the process. please see pictures below:



## Troubleshooting

Incorrect operations are often mistaken for trouble and malfunctions. If you suspect that something is wrong with the unit, check the list below, for sometimes the troubles lie within another component. Remember to try inspecting other components and electrical appliances in use. If the trouble cannot be rectified even after exercising the steps listed below, call our Acesonic service center +1-626-820-0670 to inquire about repairs.

	Symptom	Possible Causes
<b>Reset to factory settings</b>	Resetting the unit might solve more than 90% of all problems, try steps below then reset the unit.	Press the <b>SETUP</b> button on the remote controller and then choose <b>SYSTEM SETUP-&gt;DEFAULT-&gt;RESTORE</b> then press <b>ENTRY</b> button. Your player is now set at it's original factory settings.
<b>Operation</b>	1. The disc automatically ejects back out even when the disc tray is closed.	* The disc is dirty or warped * The disc is not placed properly on the disc table * Region No. does not conform with the unit
	2. Cannot execute playback.	* Condensation has formed inside the player
	3. Picture disturbance during playback.	* This player is compatible with Macro-Vision System copy guard. Some discs include a copy prevention signal, and when this type of disc is played back, stripes etc., may appear on some sections of the picture depending on the TV. (This is not a malfunction.)
	4. When recorded on a VCR there is disturbance in the playback picture.	* This player is compatible with analog copy protect technology copy guard. Some discs include a copy prevention signal and the copy guard system will prevent proper playback.
	5. When HAND icon appears on screen.	* The selected function does not operate for that disc.
	6. Video playback stops and the operation button can not be used.	* First stop the disc, then start playback again.
<b>Remote Control</b>	7. Remote is not functioning.	* The remote control is too far from the player, or the angle with the remote sensor is too sharp. * The batteries are exhausted (dead). * The batteries are positioned incorrectly in the remote. * There is an object between the remote sensor or player.
	8. Improper operation of TV set, etc., occurs	* Some TVs that have wireless remote control functions may not operate properly with this remote control.
<b>Audio</b>	9. No audio or distorted sound.	* Digital signal is prohibited for some discs. * The connection plugs are not inserted all the way into the terminals or are not connected. * The connection plug or terminal is dirty. * Audio cable connection is incorrect. * Connection is made to the stereo amplifier's PHONO input terminal. * The pause mode is engaged. * Stereo amplifier operation is wrong. * Check input (CD, AUX etc.) selector.
	10. Noticeable difference in DVD and CD volume.	* Although you may notice a difference in volume between CDs and DVDs, this is the result of a difference in disc recording methods.

### \*Caution

Abnormal activity of the unit can be caused by static electricity, or other external interference. To restore normal operation, unplug the AC power cord and plug it in again.

# Troubleshooting

	Symptom	Possible Causes
Karaoke Operations	11. There's no sound from the microphone	* You need to connect the amp to the Karaoke Output jacks. See page 7. * You need to adjust the volume of microphone.
	12. There's feedback and screeching	* The microphones are too close to the speakers.
Video	13. Screen is black & white, wavy, or contains static.	* Use the P/N button from remote to switch between NTSC and PAL. Press P/N then ENTER.
USB or SD card devices	14. The unit cannot read the devices.	* there are more than 2,000 files on the devices.
		* The device is not formatted to FAT32.
		* The device requires an external power source to power on
MP3G recording	15. The unit cannot read the file	* Not a MP3G files. Make sure your file consists two extension files: mp3 and cdg.
	16. No voice after playback	* Didn't turn on the volume of microphone while recording
Convert CDG discs to MP3 files to USB/SD card	17. No graphic	* Only support CDG format.
	18. Cannot record	* The unit only supports recording from CDG, MP3G discs and only records audio part from VCD discs.

# Compatible File Formats

Type	USB/SD CARD Supported?	DISC Supported?
DIVX4.12 (AVI Format)	Yes	Yes
DIVX5.02 (AVI Format)	Yes	Yes
DIVX5.20 (AVI Format)	Yes	Yes
DIVX5.21 (AVI Format)	Yes	Yes
XVID (AVI Format)	Yes	Yes
DIVX6.0 (AVI Format)	Yes	Yes
DIVX5.11 (AVI Format)	Yes	Yes
DIVX3.11 (AVI Format)	No	No
DIVX7.0	No	No
MP4	Yes	Yes
MPEG1	Yes	Yes
MPEG2	Yes	Yes
VOB	No	Yes
DAT	Yes	Yes

\*In USB/SD card playback mode, the video may delay when played if the size of the file is too big.

Note:

**Accessonic**

# OTHERS:

## SPECIFICATIONS

Power Source	100V-240V~, 50/60Hz
Power Consumption	≤ 14W
Video	Component (Y, Cb, Cr), Composite Video, Choice of Screen Ratio (16:9/4:3), PAL/NTSC Disc Compatible, Progressive Scan (500-p)
Audio	Output level: 0Vrms~1.5Vrms DA Converter: 24 bit, Frequency Response: DVD (PCM 96Khz): 2~44Khz(+/- 0.5 dB) S/N ratio: 100 dB (DVD), above 98dB (CD), Total Harmonic Distortion: 0.003%
Operating Temp	+5~+38 deg., 10%~75% (humidity)
Multimedia Source	MP3+G,CD+G,AVI, CD, VCD, MPEG, JPG
Interface	USB 1.1 Port for MP3/JPEG/ AVI playbacks and JPEG viewing.
Weight	2.5 Kg
Dimensions	430(W) X 225(D) X 55(H)mm

ACESONIC USA CORP.  
City of Industry CA, U.S.A  
Customer service: +1626 820 0670  
[www.acesonic.com](http://www.acesonic.com)