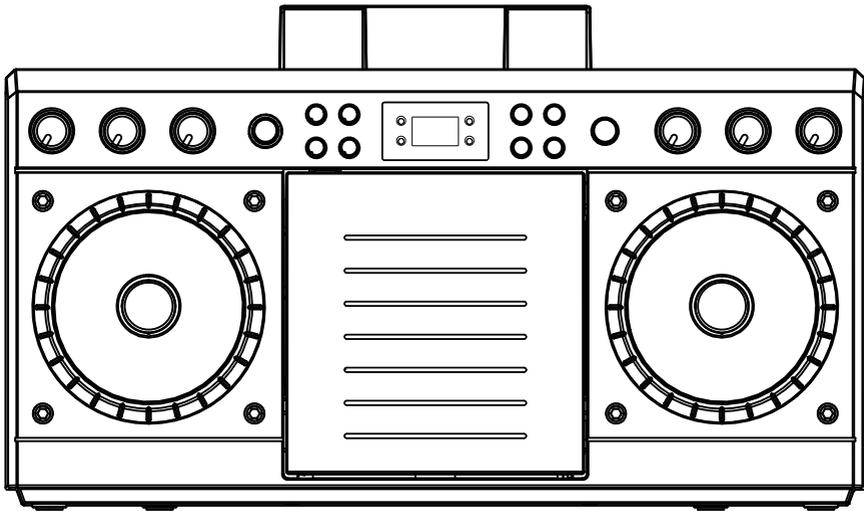


# AKAI

## Bluetooth CD+G Karaoke System with Light Effect and Tablet Cradle INSTRUCTION MANUAL



### KS303-BT

Thank you for purchasing this Bluetooth CD+G Karaoke System. Please read this instruction manual carefully before using this product to ensure proper use. Keep this manual in a safe place for future reference.

[www.AKAI-USA.com](http://www.AKAI-USA.com)

# WARNINGS

**WARNING:** TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



## CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



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



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

## DRIPPING WARNING

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

## VENTILATION WARNING

The normal ventilation of the product shall not be impeded for intended use.

Class II equipment symbol



This symbol indicates that the power adaptor has a double insulation system.

**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.**

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC's and IC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must be installed and operated to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter. Installer must ensure that 20 cm separation distance will be maintained between the device and user.

## DECLARATION DE LA FCC RELATIVE A L'EXPOSITION AU RAYONNEMENT

Cet appareil est conforme aux limites d'exposition au rayonnement RF stipulées par la FCC et IC pour une utilisation dans un environnement non contrôlé. Les antennes utilisées pour cet émetteur doivent être installées et doivent fonctionner à au moins 20 cm de distance des utilisateurs et ne doivent pas être placées près d'autres antennes ou émetteurs ou fonctionner avec ceux-ci. Les installateurs doivent s'assurer qu'une distance de 20 cm sépare l'appareil des utilisateurs.

FCC ID : OWT-KS303BT

# FCC AND CANADIAN ICES

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NOTE: 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 (which can be determined by turning the equipment off), 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 / TV technician for help.

NOTE: This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

## IMPORTANT SAFETY INSTRUCTIONS

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1. Read these Instructions.
2. Keep these Instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, 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 a third grounding prong. The wide blade or the third prong are provided for your safety. When 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/accessories specified by the manufacturer.
12. Use only with a 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/apparatus combination to avoid injury from tip-over.



### **Portable Cart Warning**

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
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.

# IMPORTANT SAFETY INSTRUCTIONS

## WARNINGS:

- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.  
Avertissement: pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.  
L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.
- The MAINS plug / power adaptor is used as the disconnect device, it should remain readily operable during intended use.  
In order to disconnect the apparatus from the mains completely, the main plug / power adaptor should be disconnected from the mains socket outlet completely.  
La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation.  
Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.  
Les piles ne doivent pas être exposées à de forte chaleur, tel qu'à la lumière du soleil, au feu ou autres choses de semblable.
- Caution Marking and rating plate was located at bottom enclosure of the apparatus.  
Les marquages sont inscrits en bas de l'appareil.  
Les précautions d'emploi sont inscrites en bas de l'appareil.

	DC voltage
	Caution Please refer for further information to the user manual
	<b>RECYCLING</b> This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys an new electrical or electronic equipment.
	Polarity of d.c. power connector

# WHAT'S IN THE BOX

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## Contents

1. CD+G Karaoke System



2. Tablet Cradle



3. AV Cable



4. Pre-recorded Karaoke CD+G Disc



5. Dynamic Microphone



6. AC Power Adaptor



7. Instruction Manual



8. Warranty Card

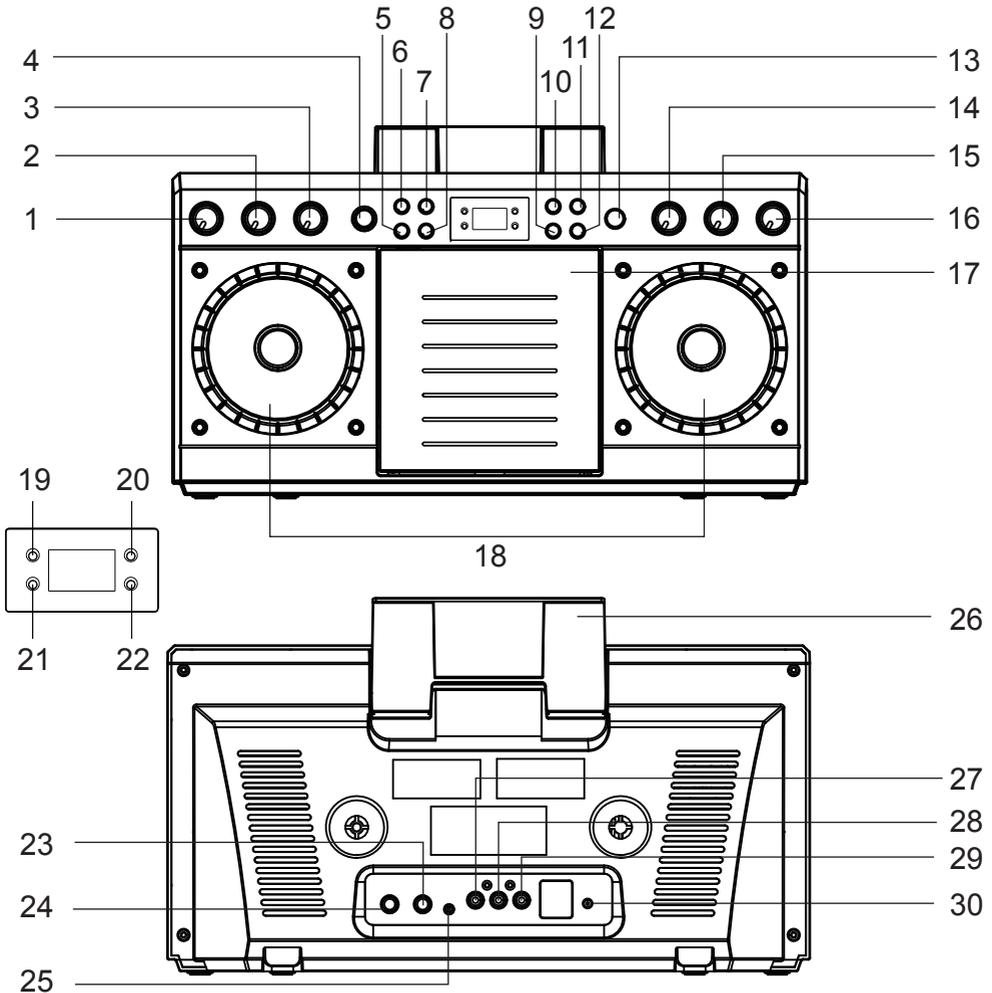


If you are missing any parts above, please contact ADT Digital LLC.

Tel: 561 922 6886

Fax: 561 922 6159

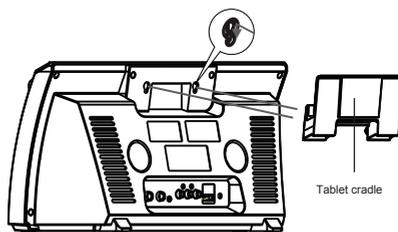
# CONTROL LOCATIONS



- |                              |                                |
|------------------------------|--------------------------------|
| 1. MIC VOLUME 1 CONTROL KNOB | 16. MASTER VOLUME CONTROL KNOB |
| 2. MIC VOLUME 2 CONTROL KNOB | 17. CD DOOR                    |
| 3. ECHO CONTROL KNOB         | 18. LOUDSPEAKERS               |
| 4. POWER BUTTON/ ON/OFF LED  | 19. CDG INDICATOR              |
| 5. PROGRAM BUTTON            | 20. PLAY/PAUSE INDICATOR       |
| 6. LIGHT ON/OFF BUTTON       | 21. PROGRAM INDICATOR          |
| 7. RANDOM BUTTON             | 22. REPEAT INDICATOR           |
| 8. REPEAT BUTTON             | 23. MIC IN 2 JACK              |
| 9. SKIP BUTTON ⏪             | 24. MIC IN 1 JACK              |
| 10. STOP/ PAIRING BUTTON     | 25. LINE IN JACK               |
| 11. PLAY/PAUSE BUTTON        | 26. CRADLE                     |
| 12. SKIP BUTTON ⏩            | 27. VIDEO OUT JACK             |
| 13. FUNCTION BUTTON          | 28. AUDIO OUT (R) JACK         |
| 14. A.V.C CONTROL KNOB       | 29. AUDIO OUT (L) JACK         |
| 15. BALANCE CONTROL KNOB     | 30. DC JACK                    |

## TABLET OPERATION

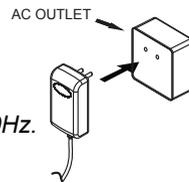
- Snap the tablet cradle via two mounting holes at the back of the unit till the cradle is locked in place on both ends securely.
- Put your tablet in landscape position (Do not encourage to put in portrait position)



## MAKING THE CONNECTIONS

### CONNECTING POWER

Plug the supplied power adaptor small end into the DC jack located on the rear panel, plug the adaptor into the standard AC wall socket.



### CAUTION:

*The unit is designed to operate from a mains supply of AC 100-240V~50/60Hz. If the adaptor does not fit properly, turn it over and try again. Do not force it.*

### NOTES:

*When the unit is not operated by the AC power or unused for long periods of time. Please remove the power adaptor from the wall outlet and unplug from the main unit.*

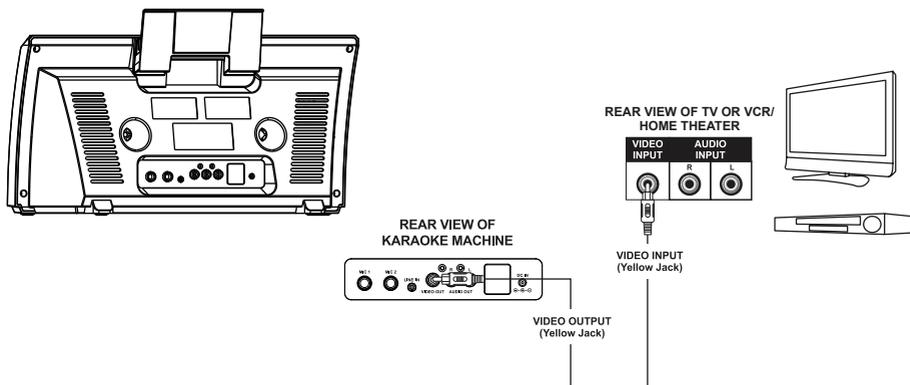
### CONNECTING TO YOUR TV OR VCR/DVD PLAYER

Your Karaoke machine is designed to connect to your TV the same way you would connect most video cameras, VCR / Home theater or video games consoles. We have provided RCA cables to connect your unit to a TV, VCR / Home theater, video device or an external audio / sound system. The RCA cables have three connections at each end (white and red are for left and right audio connections and the yellow is for video connections).

### VIDEO CONNECTION

Please follow the steps below to display CD+G lyrics on the TV screen:

1. Locate the multi-colored RCA cables
2. Connect video cable (yellow) to the Video Out of the back of the Karaoke Machine
3. Connect the other end of the video cable (yellow) to the video input on your TV or VCR / Home theater



# MAKING THE CONNECTIONS

## SELECTING YOUR KARAOKE MACHINE AS YOUR SOURCE/INPUT

Selecting your Karaoke Machine as a source / input on your TV is very similar to connect a VCR/DVD or Satellite system.

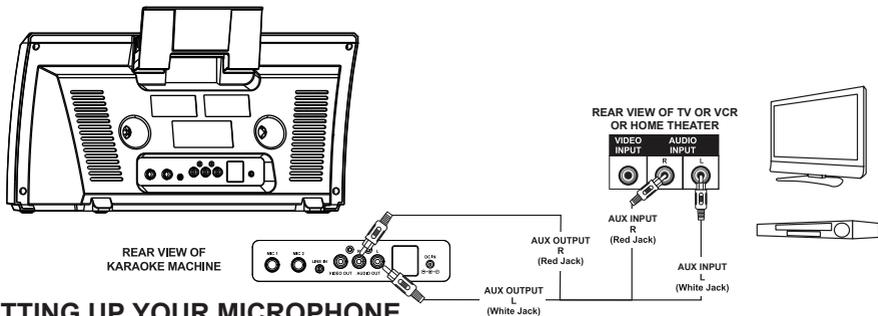
We've listed below the most common ways of selecting the source from your TV or VCR / Home Theater:

1. In the set up menu of the TV or VCR / Home theater there may be an option for "Input Select" where you can choose between "Cable/Ant., Video 1, Video 2, etc" as the input source.
2. Look for a TV channel between the highest and lowest on your TV or VCR / Home theater (i.e AUX, EXT, LINE 1 or LINE IN)
3. Your remote control for your TV or VCR / Home Theater may have source input selections as well as detailed below: "Video, Video 1, Game, AUX, EXT or LINE-IN." Choosing one of those sources in most cases should display the lyrics from your **Karaoke Machine** as well.

## AUDIO CONNECTION

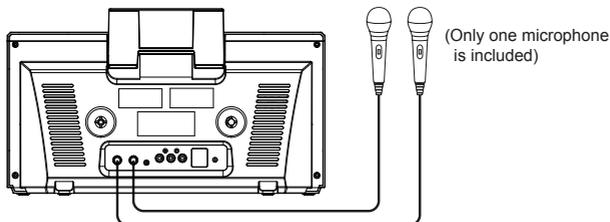
Please follow the steps below to connect audio signal from the unit to your TV, VCR/Home Theater or home audio system.

1. Locate the multi-colored RCA cables (White and Red)
2. Connect audio cables to the **Audio Out** of the back of your Karaoke Machine.
3. Connect the other end of the audio cables to the Audio/Auxiliary input on your TV or VCR/Home Theater or home stereo system.



## SETTING UP YOUR MICROPHONE

1. Plug a microphone into the MIC1 or MIC 2 jack at the rear side of your karaoke machine. Their output is mixed with playback from CD/CD+G.
2. Turn on your microphone to sing.



## Warning:

Please do not point the microphone head directly to the front of the speaker(s) on the unit when you are singing, it would cause unwanted feedback sound that may affect the performance of your unit.

Tapping or dropping the microphone while it is on can permanently damage your microphone. Do not swing the microphone around by the cord!

## CD OR CD+G OPERATION

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This unit is designed to play CDs and CD+Gs bearing the identification logo respectively. If the disc does not conform to the standard, it may not play properly.



NOTE: The unit may not be able to read CDR or CDRW disc correctly. The readability depends on the quality of recording produced by CD recorder or CD writer.

### TURNING POWER ON/OFF

- To turn on the unit, press the POWER button once, the ON/OFF LED indicator will light up.
- To turn it off, press the POWER button again, the ON/OFF indicator will turn off.

### LOADING A DISC

- Open the CD door, place a CD or CD+G disc in the compartment with the printed side facing front and the shiny side facing back.
- Gently close the CD door. The LED window will display the total number of tracks. (If no disc is loaded, it will display "NO". If a CD+G disc is loaded, the CDG indicator will light up.)

**Note:** - Never place anything except a compact disc in the disc tray. Foreign objects can damage the unit.  
- Only place one disc on the disc tray at a time.  
- Do not apply excessive force to disc cover.  
- Do not open the disc cover of the CD compartment while it is playing.

### PLAY/PAUSE

1. To start playing, press the PLAY/PAUSE button. The first track [1] and the PLAY/PAUSE LED will lit.
2. To temporarily stop playing, press the PLAY/PAUSE button. The PLAY/PAUSE LED indicator will flash.
3. To resume play, press the button again.

**NOTE:** - Pressing pause when a CD+G is playing may cause distorted lyrics on your TV screen until the whole screen is refreshed during an instrumental break or the song is stopped and/or the song is started from the beginning.

### STOP

- If the STOP button is pressed in the course of playing, the disc will cease to play. (The total number of tracks will be shown on the LED window.)

### SKIP (For both CD and CD+G discs)

In stop or playback mode, you can skip up or down to a specific track by pressing the forward or backward SKIP Button.

### SEARCH (For audio CD+G disc only)

When playing a CD disc, press and hold the SKIP buttons ( ◀◀ or ▶▶ ) to locate a specific point on a track. The system will search at high speed in the forward or reverse direction. By releasing the button, normal play will be resumed.

# CD OR CD+G OPERATION

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## REPEAT (For both CD and CD+G discs)

- During playback, to repeat the track currently playing, press the REPEAT button once. The REPEAT LED will start to flash.
- To repeat all tracks, press the REPEAT button twice. The REPEAT LED will light up and stay lit.
- To clear the REPEAT function, press the REPEAT button again. The REPEAT LED will turn off.

## PROGRAM

- Use this button to program and play back songs in a separated preselected order.  
Step 1: Programming should be done in the stop mode only. Press the PROGRAM button once the PROGRAM LED flashes, the track will show [0].  
Step 2: Press the SKIP buttons ( ◀◀ SKIP ▶▶ ) to select a desired track.  
Step 3: Press PROGRAM button to confirm entry. You can repeat the same steps up to a maximum of 20 tracks.  
Step 4: Press PLAY button when you have completed programming and you are ready to start singing.
- Press the STOP button to clear all the programmed entries.

## KARAOKE FUNCTIONS

Sing-along with the music by plugging in the provided microphone into either one of the microphone jacks on the unit.

## RANDOM

Press RANDOM button to start playback CD/CDG randomly. Press RANDOM button again to go back to normal playback.

## MASTER VOLUME

Rotate to the MASTER VOLUME control to obtain the desired sound level.

## MIC VOLUME

Adjust the MIC VOLUME control to a desired level and obtain the best performance.

## ECHO

Adjust the ECHO control to enhance your voice for a concert hall effect.

## BALANCE

Adjust the BALANCE control between the pre-recorded singer's voice and the music when using a multiplex karaoke disc.

## AUTO VOICE CONTROL

AUTO VOICE CONTROL can be activated and adjusted by the AVC control knob. The vocals on the Multiplex recording will be muted when the singer starts to sing through the microphone. When the singer stops singing, the vocals will resume to normal.

## LIGHT EFFECT

Press LIGHT ON/OFF button once to switch on LED light effect. Press the button again to switch off.

## LINE-IN OPERATION

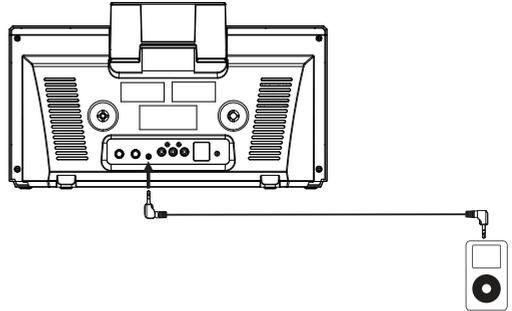
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Except the tablet operation, LINE IN mode allows you to connect external music player or external sound source to your Karaoke Machine speakers.

1. Plug the 3.5mm line-in cable (not included) into your external music player and connect the other end (3.5 mm jack) into the LINE IN jack on the rear of your Karaoke Machine.
2. Make sure your external music player is turned on.
3. Start music playback on your external music player.
4. Adjust MASTER VOLUME to control the sound level of music playback from the speakers on the Karaoke Machine.

### NOTE:

If the unit is in CD or Bluetooth mode, when you connect an external audio device to the LINE IN jack by an LINE-IN cable, this unit will automatically be switched to LINE IN mode. If you remove the LINE-IN cable from the LINE IN jack, the unit will resume to the previous mode.



## BLUETOOTH OPERATION

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### BLUETOOTH SETUP

Pairing is the term used when two Bluetooth devices are connected wirelessly for the first time.

1. Press **FUNCTION** button to toggle to Bluetooth mode.
2. The LED display shows "BT" and flash quickly.
3. Using the native controls on your Bluetooth Device, select the "KS303-BT" in your Bluetooth setting to pair.
4. When successfully paired, "BT" on LED display will stop flashing.  
*After initial pairing, the unit will stay paired unless unpaired manually by the user or erased due to a reset of the devices.*  
*If your device become unpaired, follow the above steps to pair again.*  
*If any pairing issues occur, un-pair the unit on your Bluetooth device and follow the above steps and try again.*

### PLAYING MUSIC VIA BLUETOOTH

1. Follow the instructions for Pairing a Bluetooth Device.
2. Use the native controls on the connected Bluetooth Device to select a track.
3. To play, pause or skip the selected track, use the native controls on the connected Bluetooth Device.
4. Audio playback from the connected Bluetooth device can now be heard through the speaker.

## TROUBLE SHOOTING GUIDE

If you have followed the instructions and are having difficulty operating the unit, locate the PROBLEM in the left column below. Check the corresponding POSSIBLE CAUSE column to locate and remedy the problem.

PROBLEM	POSSIBLE CAUSE	SOLUTION
No power when ON/OFF button is on.	AC power adaptor is not connected to AC outlet.	Connect AC power adaptor to AC outlet.
No power when plugged in.	The AC outlet may have no power	Check the outlet with a working lamp or other electrical appliance.
	AC power adaptor is not secure on the back of the unit.	Securely plug AC power adaptor small end into the DC jack of the unit.
No sound.	Volume control is set to minimum.	Turn up the volume.
	Volume control in TV set is set to minimum.	Turn up the volume at TV.
	TV set power is OFF.	Turn on the power on TV.
	AUDIO OUT jacks not connected.	Follow directions on the 'Audio Connection' section.
CD PLAYER does not work normally or the LED displays "--", "E", or "NO".	Disc is inserted upside down	Insert the disc correctly.
	Disc is dirty	Wipe clean with a soft cloth.
	Disc is scratched	Use a new disc.
	Disc is warped	Use a new disc.
	A non standard disc is inserted.	Only use discs bearing standard logo.
	Lens is dirty	Use a CD lens cleaner
	Moisture has formed inside the CD deck.	Wait about 20 - 30 mins to let it dry out.
	Karaoke system needs to be reset.	Disconnect the machine from the power source for 30 seconds.

## TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
No sound - if audio is going through TV, VCR or Home theater.	Source Selection on your TV, VCR or Home theater is not set properly.	Select AUX IN as the source for your TV, VRC or Home theater.
	Improper connection to stereo system.	Follow direction on 'Audio connection' page for connecting to a home stereo system.
No song lyrics appear on the TV screen.	Video cable is not connected properly to the TV.	Connect the video cable to the Karaoke Machine's VIDEO OUT and to the TV VIDEO IN.
	Source selector on TV is not set to VIDEO.	Using your TV Remote to select VIDEO input or select the proper VIDEO input on TV itself.
	TV does not have video line input.	Connect from VIDEO OUT of the system to the VIDEO IN on your VCR or Home theater. (Refer to "Making the Connections"). Check the disc to be sure it is a CD+G.
	A CD+G disc is loaded but the CDG indicator is not lit.	Check disc to be sure it is clean.
No sound from mic.	Mic volume control is set to minimum.	Adjust mic volume to max, and then re-adjust to a comfortable level.
	Mic is off.	Turn on mic with the ON/OFF switch located on the microphone.
No sound when playing audio via Bluetooth.	Your Bluetooth device does not paired properly.	Pair your Bluetooth device according to the "Bluetooth setup" section.
	The volume control of your Bluetooth device is set at too low.	Increase the volume of your Bluetooth device.
	The volume control of the unit is set at too low.	Increase the volume of the unit by VOLUME control.

## SPECIFICATIONS

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<b>AUDIO SECTION:</b> OUTPUT POWER (MAXIMUM) OUTPUT IMPEDANCE	2 WATT + 2 WATT (RMS) 4 OHMS
<b>CD PLAYER SECTION:</b> FREQUENCY RESPONSE SIGNAL - TO - NOISE RATIO NUMBER OF PROGRAMS SAMPLING SYSTEM	100 Hz - 20 kHz 50 dB 20 STEPS RANDOM ACCESS PROGRAMMING 8 TIMES OVER SAMPLING
<b>MICROPHONE</b>	-73dB 600 OHMS IMPEDANCE WITH Ø6.3mm DYNAMIC MICROPHONE
<b>POWER SECTION</b>	Input 100-240V~50/60Hz Output DC 5V $\overline{=}$ 2A
<b>DIMENSIONS (W X H X D)</b>	15.4 x 8.3 x 4.4 inches / 39.0 x 21.0 x 11.0 cm
<b>WEIGHT</b>	4.5 lbs / 2.0 kgs

Specifications are typical, individual units might vary. They are subject to continuous improvement without notice and without incurring any obligation

# **THE KARAOKE MACHINE (GLOSSARY OF TERMS)**

Following are some brief descriptions of karaoke terms you may need:

## **Echo:**

By adding some minor feedback to your voice the Echo feature adds depth and resonance to a singer's voice. Echo affects only your voice and not the music. It will make you sound like you are singing in a big concert hall.

## **Multiplex:**

This karaoke system is capable of playing Multiplex CD+G Karaoke discs. Multiplex Karaoke discs feature two mono versions of the same recording on left and right channels. The right channel features a mono version of the song with the lead vocals pre-recorded. The left channel features the same song, without the lead vocals recorded.

## **Auto Voice Control (A.V.C.):**

This is short for "Automatic Vocal Control". When the AVC knob on the front panel of the player is turned clockwise, the AVC function is activated. AVC is used to eliminate the singer's vocals from specially made Multiplex CD+G karaoke discs. Once the AVC is activated, as you sing into the microphone, the pre-recorded vocals are eliminated and replaced with your singing voice. Set the AVC to a lower setting, and you'll be able to hear the pre-recorded vocals in low volume as well as your own singing voice. Set the AVC to maximum and as you sing into the microphone, the pre-recorded lead vocals will be completely eliminated, and only your own singing voice will be heard.

NOTE: The AVC controls is only functional with specific Multiplex CD+G Karaoke Discs. AVC will not eliminate the vocals from standard music CDs, and will not function when playing standard Karaoke CD+G discs, such as the disc included with this system.

## **CD+G:**

This is short for Compact Disc plus Graphics. This is a regular audio CD with the lyrics stored in a data track. While your karaoke player will play regular audio CDs they will not have the background data track that will allow the lyrics to be displayed.