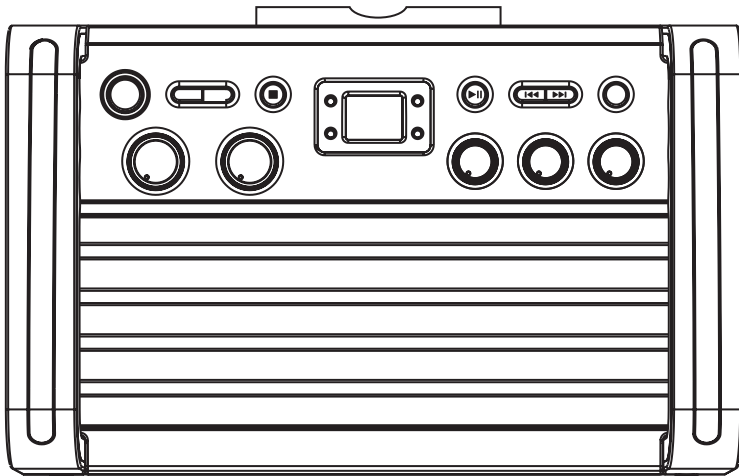


AKAI

CD+G Karaoke System with Light Effect and iPad Cradle INSTRUCTION MANUAL



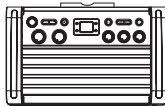
KS-213

Thank you for purchasing this 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.

WHAT'S IN THE BOX

Contents

1. KS213 Karaoke System



2. iPad Cradle



3. Special iPad 3.5mm Line-in Cable



4. AV Cable



5. Pre-recorded Karaoke CD+G Disc



6. Dynamic Microphone



7. AC Power Cord



8. Instruction Manual



9. Warranty Card



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

Tel: 561 922 6886

Fax: 561 922 6159

Mobile Karaoke App - Karaoke Anywhere

Visit <http://akai.karaokeanywhere.net> to download Karaoke Anywhere, a free application for your iPad, iPhone and Android devices. Karaoke Anywhere gives you the full experience of Karaoke and puts the world's largest virtual song book at your fingertips!

After downloading app, open it and select the feature you want to utilize. 50 free karaoke songs are available on "stream karaoke instantly" or "Free Songs" on the app. Start singing today with Akai and Karaoke Anywhere!

iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

Android is a trademark of Google Inc.

WARNINGS

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



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

The CAUTION marking is located on the bottom panel.



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.

SAFETY CERTIFICATION

This device is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

Class II equipment symbol 

This symbol indicates that the unit has a double insulation system.

Warnings:

- This CD player employs a laser light beam. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.
- The use of controls, adjustments, or procedures other than those specified herein might result in hazardous radiation exposure.
- The apparatus shall be used in an open area.

CAUTION

This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear panel.



CAUTION!

Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

FCC IMPORTANT

Since CD circuitry may cause interference to other radio tuners nearby, switch this unit off when not in use or move it away from the affected radio tuner.

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.

This class[B] digital apparatus complies with canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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 AND CANADIAN ICES


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 radio / 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

1. **Read Instructions** - All the safety and operating instructions should be read before the product is operated.
 2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
 3. **Heed Warnings** - All warnings on the product and in the operating instruction should be adhered to.
 4. **Follow Instructions** - All operating and use instructions should be followed.
 5. **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth only for cleaning the exterior only. Do NOT attempt to clean the inside.
 6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
 7. **Water and Moisture** - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement, or near a swimming pool, and the like.
 8. **Accessories** - Do not place this product on an unstable cart, stand tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
 9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- 
10. **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.
 11. **Power Sources** - 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 instruction.
 12. **Grounding or Polarization** - This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
 13. **Power-Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

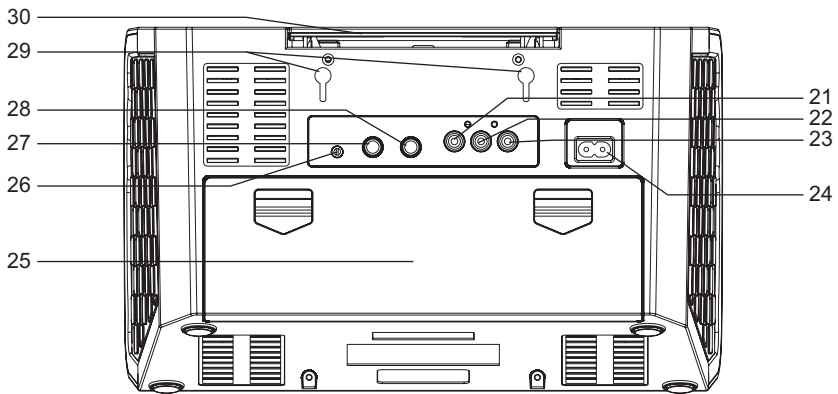
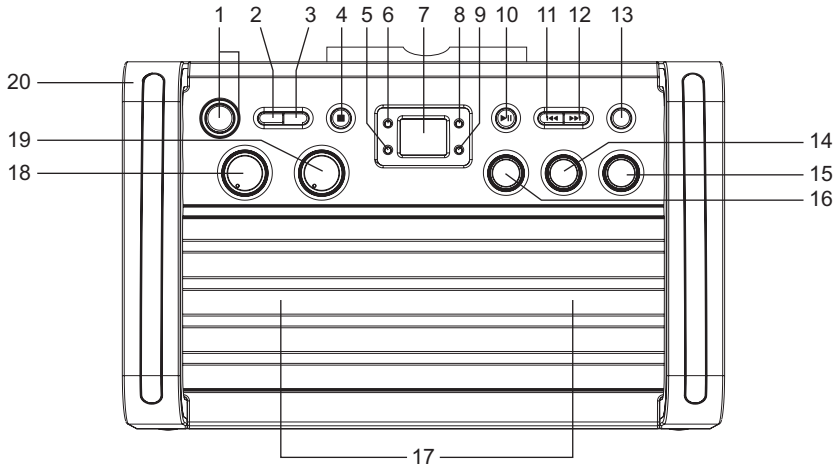
IMPORTANT SAFETY INSTRUCTIONS

- 14. Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 15. Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 16. Object and Liquid Entry** - Never push objects of any kind in to 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.
- 17. Servicing** - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 18. Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will of ten require extensive work by a qualified technician to restore the product to its normal operation.
 - e) If the product has been dropped or damaged in anyway, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.
- 19. 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.
- 20. 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.
- 21. Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- 22.** Unplug this apparatus during lightning storms or when unused for long periods of time.
- 23.** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 24.** Children should be supervised to ensure that they do not play with the appliance.
- 25.** Ensure children and babies do not play with plastic bags or any packaging materials.

WARNINGS:

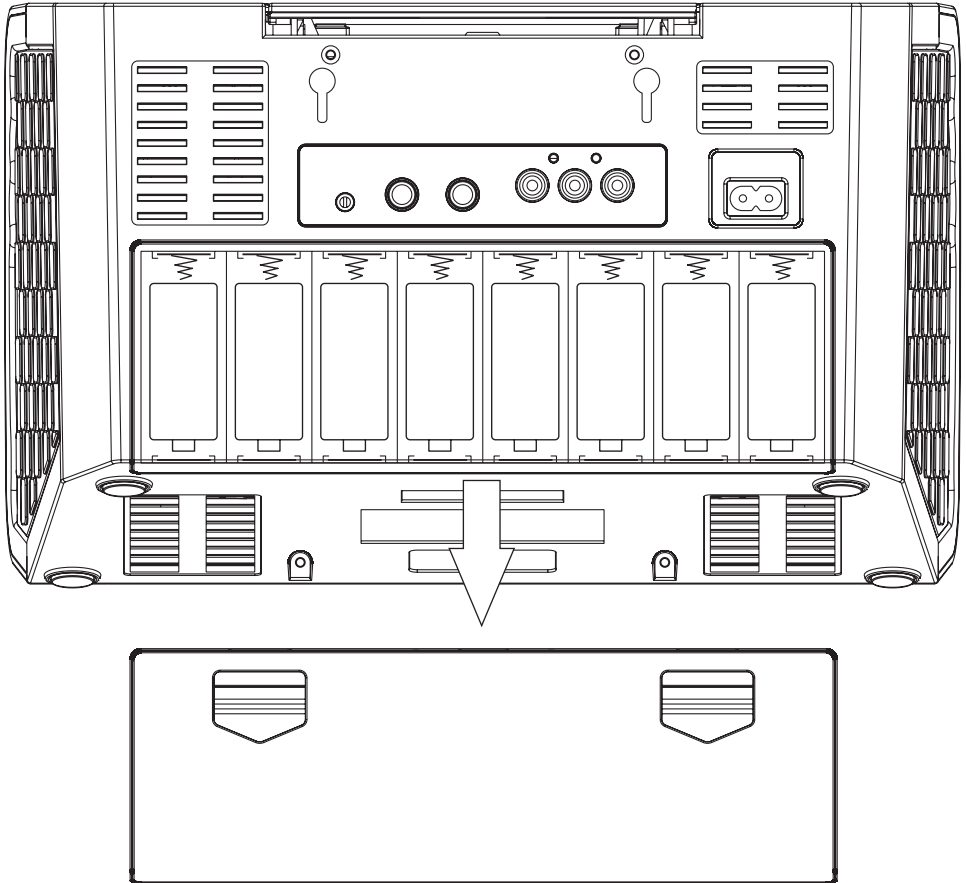
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
Avertissement: pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.
- The apparatus shall not be exposed to dripping or splashing and that no 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.
- Mains plug /Power adaptor is used as disconnect device and 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.

CONTROL LOCATIONS



- | | | |
|---------------------------------------|---------------------------|-------------------------------|
| 1. ON/OFF button and ON/OFF indicator | 13. Light ON/OFF button | 25. Battery Door |
| 2. PROGRAM button | 14. BALANCE Control | 26. LINE IN Jack |
| 3. REPEAT button | 15. Auto Voice Control | 27. MIC 1 Jack |
| 4. STOP button | 16. ECHO Control | 28. MIC 2 Jack |
| 5. CDG LED | 17. Loudspeaker | 29. iPad Cradle Mounting Hole |
| 6. PLAY/PAUSE LED | 18. MIC Volume Control | 30. CD Door |
| 7. LED Display | 19. Master Volume Control | |
| 8. PROGRAM LED | 20. Handle | |
| 9. REPEAT LED | 21. VIDEO OUT Jack | |
| 10. PLAY/PAUSE button | 22. AUX OUT Jack (R) | |
| 11. SKIP button ◀◀ | 23. AUX OUT Jack (L) | |
| 12. SKIP button ▶▶ | 24. AC IN Jack | |

CONTROL LOCATIONS



Battery Precautions

The precautions below should be followed when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different type of batteries together (e.g. Alkaline and Carbon Zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged, they can overheat and rupture (Follow battery manufacturer's directions).
6. Rechargeable batteries are to be removed from the product before being charged.
7. Rechargeable batteries are only to be charged under adult supervision.
8. Exhausted batteries are to be removed from the product.
9. The supply terminals are not to be short-circuited.
10. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

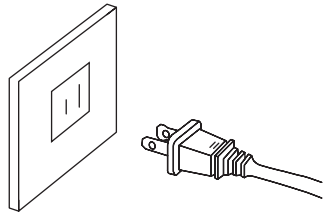
MAKING THE CONNECTIONS

CONNECTING POWER

Plug the supplied AC power cord into the AC jack that located on the rear panel of the product and plug the other end into a standard AC socket. The unit is designed to operate from a main supply of AC 120V~60Hz.

CAUTION: *The supplied AC power cord has a polarized plug that fits into the wall outlet only one way. If the plug 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 AC mains plug from the wall outlet and unplug from the main unit.*



DC OPERATION

1. Remove battery door to reveal battery compartment. Insert eight (8) "C" size alkaline batteries (not provided) as indicated.
2. Replace cover tightly before operating.
3. When not using batteries for a long period of time, remove batteries to prevent leakage in compartment. Replace all batteries at the same time. Do not mix old batteries with new batteries.

IMPORTANT

The AC power cord MUST be disconnected from the unit, otherwise it will not operate on battery power.

CONNECTING TO YOUR TV OR VCR/DVD PLAYER

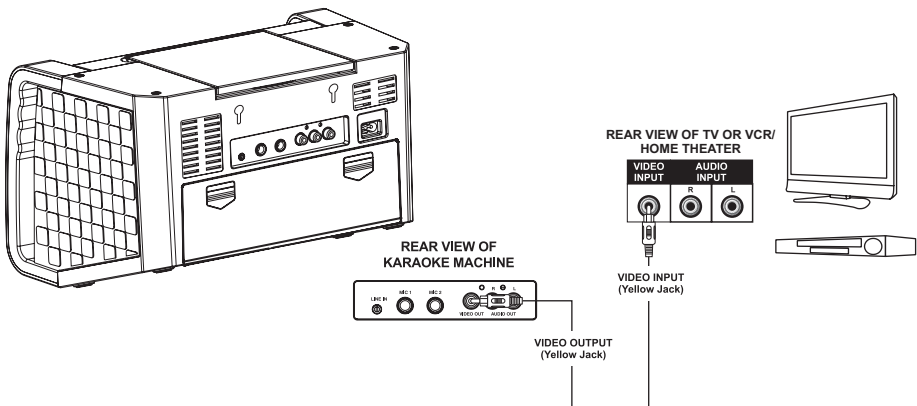
Your Karaoke Machine is designed to connect to your TV the same way you would connect most video cameras, VCR/DVD players or video game consoles.

We have provided RCA cables to connect your unit to a TV, VCR/DVD player, 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 connection).

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 connecting a VCR/DVD or Satellite system.

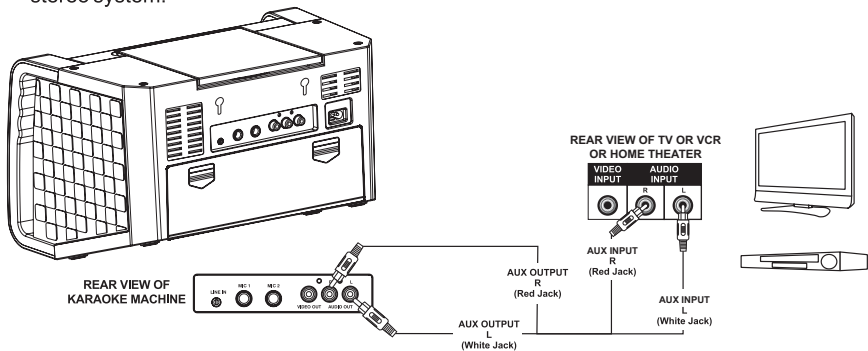
We've listed below the most common ways of selecting the source from your TV or VCR/Home theater:

- (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 either your TV or VCR/DVD player may have source input selections as well as detailed below:
"VIDEO, VIDEO 1, GAME, AUX, EXT or LINE-IN." Choosing one of those in most cases should display the lyrics from your Karaoke Machine as well.

AUDIO CONNECTION

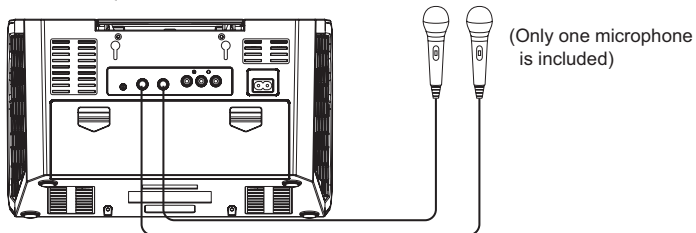
Please follow the steps below to connect the unit to your TV or VCR or home stereo system:

- (1) Locate the multicolored RCA cables.
- (2) Connect audio cables (White and Red) to the Audio Out (White-Left and Red-Right) of the back of the Karaoke Machine.
- (3) Connect the other end of the audio cables to the audio/auxiliary input on your TV or VCR 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. Located on the microphone is an ON/OFF switch.
3. Ensure you set to ON when required for use.



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. Resist the urge to swing the microphone around by the cord!

CD OR CD+G OPERATION

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 ON/OFF button, the ON/OFF LED Indicator will light up.
- To turn it off, press the ON/OFF button again, the ON/OFF LED 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 upward and the shiny side facing down.
- Gently close the CD door. The LED window will display the total number of tracks. (If no disc is loaded, it will display "--". 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

NOTE: Make sure to unplug line-in cord at the rear of unit before CD operation.

- To start playing, press the PLAY/PAUSE button. The first track [#] and the PLAY/PAUSE LED will be lit.
- To temporarily stop playing, press the PLAY/PAUSE button. The PLAY/PAUSE LED Indicator will flash.
- To resume play, press this button again.

Note: - Pressing pause repeatedly when a CD+G is playing may cause distorted lyrics on your TV screen. Any distortion will remain on the TV screen until it is refreshed either 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.)
- Please press STOP before plugging into LINE-IN jack at the back of the unit. Otherwise the CD mechanism would continue to spinning.

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 back skip button.

SEARCH (For audio CD+G disc only)

When playing any audio CD, press and hold the SKIP button (◀◀-SKIP-▶▶). The CD will search at high speed in the forward or backward direction. Normal play will continue when you release the button.

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.

CD OR CD+G OPERATION

PROGRAM

- Use this button to program and play back songs in a preselected order.
Step 1: Programming should be done in the stop mode only. Press the PROGRAM button until 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.

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 prerecorded singer's voice and the music when using a multiplex karaoke disc. (Please see Glossary of terms to learn more about multiplex.)

AUTO VOICE CONTROL

AUTO VOICE CONTROL can be activated by the A.V.C. control. The vocals on the multiplex recording will be muted when the singer starts to sing through the microphone. When the singer stops to sing, 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.

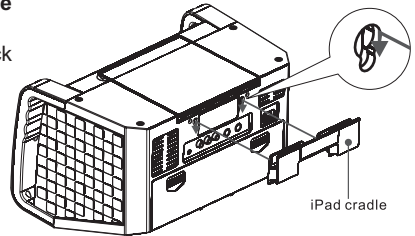
iPad OPERATION

Caution:

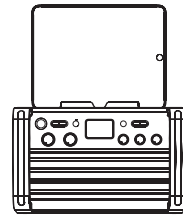
For proper functioning, only the supplied 3.5mm line-in cable should be used for the connection between the iPad phone jack and the unit's line-in jack. Using other line-in cable may cause malfunction or damages to your iPad or the main unit.

1. Turn on your iPad and connect to Wi-Fi or 3G network.
Note: Wi-Fi connection or a strong 3G connection is recommended when streaming karaoke songs with the Karaoke Anywhere app.
2. Go to App store and download Karaoke Anywhere HD app for iPad with 50 free songs.
Note: Make sure to download the iPad version of the app, not the iPhone version.

3. Snap the iPad cradle via two mounting holes at the back of the unit till the cradle is locked in place on both ends securely.



4. Put your iPad in landscape position. (Do not encourage to put in portrait position)



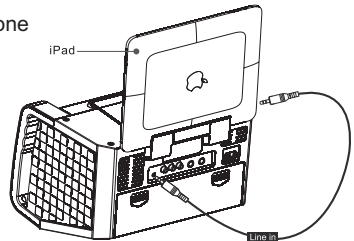
landscape

5. Connect the supplied 3.5 mm line-in cable to your iPad phone jack and the line-in jack at the back of the unit.

Note:

Stop the CD playback by pressing the STOP button before plugging the line-in jack on the main unit, otherwise the CD will continue to spin during the line-in or iPad operation.

6. Select and launch the Karaoke Anywhere app.
7. Make sure unit is turned on and microphone is plugged in.
8. Select the song you want to playback on your iPad. (50 free karaoke songs are available on "Stream Karaoke Instantly" or "Free Songs" on the app)
9. Follow the lyrics and sing the song - adjust volume on the unit or iPad as needed.
10. For the detail operation and features of the app, please refer to the app itself.



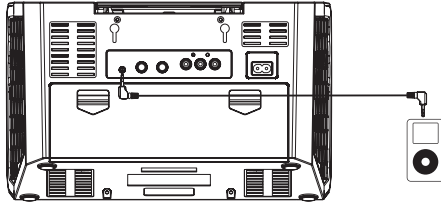
Note:

- The recording function on your Karaoke Anywhere app is disabled after connecting to the main unit. If you want to record your singing or performance, please disconnect your iPad from the main unit and follow the instructions on the app to record your performance.
- Streaming or Playback of karaoke songs may be affected or stalled due to poor network conditions. Wi-Fi connection or a strong 3G connection is recommended.

LINE-IN OPERATION

Except the iPad operation, LINE IN jack will allow you to connect external music player or external sound source to your **Karaoke Machine** speakers.

1. Plug into the supplied 3.5mm line-in cable 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:

Stop the CD playback by pressing the **STOP** button before plugging the line-in jack on the main unit, otherwise the CD will continue to spin during the line-in or iPad operation.

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.	No power plug connection at the AC outlet.	Insert the power plug into the AC outlet.
No power when plugged in.	The AC outlet may not have power.	Check the outlet with a working lamp or other electrical appliance.
	AC plug is not secure on the back of the unit.	Securely plug cord into the back of the unit.
No sound.	Volume control is set to minimum.	Turn up the volume.
	Volume control on TV set is set to minimum.	Turn up the volume at TV.
	TV set power is OFF.	Turn on the power at TV.
	AUX 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 disc correctly.
	Disc is dirty.	Wipe clean with soft cloth.
	Disc is scratched.	Use a new disc.
	Disc is warped.	Use a new disc.
	A nonstandard 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 to 30 minutes to let it dry out.
	Karaoke Machine needs to be reset.	Disconnect the machine from 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, VCR 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 Video is displayed on the TFT Screen.	The TFT Screen is turned off.	Set Screen button to turn ON.
	The disc being played is a regular music CD, in which case no image will be displayed.	Ensure you are playing a CD+ Graphics or CD+G Karaoke disc.

SPECIFICATIONS

AUDIO SECTION: OUTPUT POWER (MAXIMUM) OUTPUT IMPEDANCE	1 WATT + 1 WATT (RMS) 8 OHMS
CD PLAYER SECTION: 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
MICROPHONE	-73dB 600 OHMS IMPEDANCE WITH Ø6.3mm DYNAMIC MICROPHONE
POWER SECTION	AC 120V~60Hz
DIMENSIONS (W X H X D)	12.4 x 7.7 x 9.7 inches / 31.5 x 19.6 x 24.7 cm
WEIGHT	4.33 lbs / 2 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

In addition to all of the terminology associated with consumer electronics products, a few additional terms are used almost exclusively in karaoke. These terms are meant to familiarize you with the world of Karaoke. The features listed below **may not** necessarily pertain to the particular model Karaoke Machine that you have. The following are some brief explanations of karaoke terms:

Echo:

Echo adds depth and resonance to a singer's voice without affecting the music. This echo is produced by creating minor controlled feedback in the singer's voice.

Multiplex:

Our multiplex recordings contain 2 copies of the same song. One version is a stereo recording of the song without the lead singer. The second version is recorded with the music and background vocals on the left channel and the lead singer recorded on the right channel. This 'split track' recording allows you to control the volume of the lead singer by adjusting the balance control. You can sing a duet with the lead singer or use the lead singer as a guide as you learn the song, gradually fading them out with the balance control until you are able to sing the song on your own.

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

When the AVC function is activated, the vocals on a multiplex recording are eliminated as soon as the singer begins singing into the microphone. When the singer stops singing, the vocals on the multiplex recording are automatically re-activated. This useful function is used primarily during practice sessions while a singer is learning a song. Please note that the AVC function only works with multiplex recording and not with standard audio recordings.

CD+G:

This is an acronym for Compact Disc plus Graphics. You will also see variations CD+G, and CD+Graphics. This is a regular audio CD with information stored on a data track simultaneous to music. In laymen's terms, CD+G has a video output for simple graphics (not full motion video). In the case of karaoke, the graphics function is used to store song lyrics, and display the lyrics in synch with music. In most cases, CD+G software displays lyrics which change color as they are to be sung. A regular television is all that is required to display CD+G lyrics.

NOTE - CD+G is a particular type of compact disc encoding system that is different from VCD or DVD. Your Singing Machine can decode standard audio compact discs and CD+G discs. It will not read VCD or DVD encoded discs.

Standard audio discs and cassette tapes will not display lyrics on your TV. Audio CDs do not contain the software necessary to display lyrics.