

# CDG Karaoke System

32-1167

OWNER'S MANUAL — Please read before using this equipment.

## ! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning      ! — Important  
⚡ — Caution      📝 — Note

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



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



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

**CD/CDG Player** — lets you play CDs, karaoke CDs, or CDGs. 8x oversampling produces high quality sound.

### Adjustable

**Echo Control** — lets you enrich the sound for a concert hall effect.

### Automatic Voice Control (AUTO VOICE)

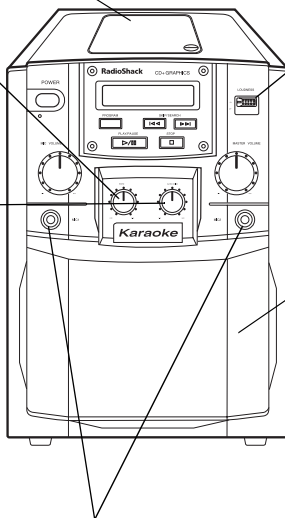
— lets you replace the prerecorded original singer's voice with your voice when you use a CDG, so you can sing solo.

**Loudness** — lets you increase the bass effect to improve the overall audio output.

**5W Amp and Full Range Speaker** — produces great quality sound.

**Dual Microphone Jacks** — let you sing duets or lead and background vocals

**20-Track Programmable Memory** — lets you plan your own performance by programming up to 20 CD tracks in the order you want to hear them.



Your RadioShack CDG Karaoke System is one of the most versatile karaoke systems available. It lets you be the "star" as you sing along with your favorite recordings on a CD, or a CDG (a compact disc with a graphic track), and hear your voice with the music through the powerful built-in speaker. Your karaoke system's CDG capability lets you connect the karaoke system to a TV or monitor and read the lyrics of your favorite tunes as they scroll by in front of a still video graphic, such as a picture or drawing related to the music. Your karaoke system can also be used as a small PA system for speaking at parties or other gatherings.

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# IMPORTANT SAFETY INSTRUCTIONS

Careful attention is devoted to quality standards in the manufacture of your karaoke, and safety is a major factor in its design. However, safety is also your responsibility. This section lists important information that will help you properly use and enjoy your karaoke and accessories. Read all the included safety and operating instructions before using your karaoke. Follow them closely, and retain them for future reference.

**Heed Warnings** — Follow all warnings on the product and in the operating instructions.

**Cleaning** — Unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Do not use liquid or aerosol cleaners.

**Attachments** — Do not use attachments/accessories not recommended by the product manufacturer, as they might create a hazard.

**Water and Moisture** — Do not use this product near water (for example, near a bathtub, washbowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool).

**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. Follow the manufacturer's instructions for mounting, and use a recommended mounting accessory.

**Carts** — Move the product on a cart carefully. Quick stops, excessive force, and uneven surfaces may cause the product/cart to overturn.

**Ventilation** — Slots and openings in the cabinet provide ventilation, ensure reliable operation, and protect from overheating. Do not block or cover these openings, and do not place the product on a bed, sofa, rug, or other similar surface. Do not place the product in a built-in installation such as a bookcase or rack unless it provides proper ventilation as specified by the manufacturer.

**Power Sources** — Operate this product using only the power source indicated on its marking label. If you are not sure of your home's power type, consult your product dealer or local power company.

**Polarization** — This product is equipped with a polarized AC line plug (a plug having one blade wider than the other). This plug will fit in the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug still doesn't fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. If you need an extension, use a polarized cord.

**Power-Cord Protection** — Route power-supply cords so they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

**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.

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

**Objects and Liquids** — 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.

**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.

**Damage Requiring Service** — Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the product.
- If the product has been exposed to rain or water.
- 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 often require extensive work by a qualified technician to restore the product to normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance.

**Replacement Parts** — When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

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

**Wall or Ceiling Mount** — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

**Heat** — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

**Power Lines** — Locate any outdoor antenna away from power lines.

**Nonuse Periods** — Unplug the product's power cord when you will not use it for extended periods.

**Outdoor Antenna Grounding** — If an outside antenna or cable system is connected to the product, ground the antenna or cable system 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 about 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 the example below.

## ⚠ WARNING ⚠

To avoid electrical shock, do not connect the system to AC power until all other connections are complete.

## ⚡ CAUTION ⚡

The supplied power cord has a polarized plug that fits into the outlet only one way. If the plug does not fit properly, turn it over and try again. Do not force it.

# CONNECTIONS

## CONNECTING MICROPHONES

The system has two microphone jacks so you can use the supplied microphone to sing along to your favorite recordings, and connect an additional microphone (not supplied) for duets, or lead and background vocals.

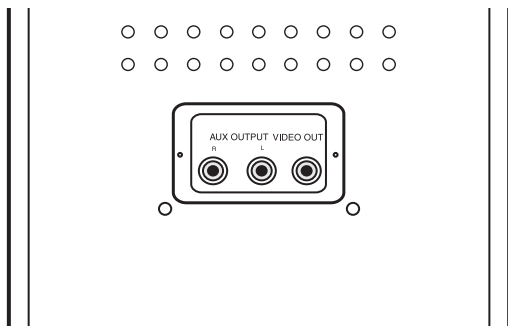
For the best performance, the additional microphone should be a unidirectional 600-ohm dynamic microphone with a 1/4 inch (6.35-mm) plug and an ON/OFF switch.

Before you connect a microphone, always set **MIC VOLUME** to **MIN**.

If you are connecting only one microphone, plug it into **MIC 1**. If you are adding a second microphone, plug it into **MIC 2**.

## CONNECTING AN EXTERNAL AUDIO COMPONENT

You can broadcast the karaoke system's sound through an external audio component such as a PA system amplifier. Connect the external audio component's audio input jacks to the karaoke system's **AUX OUT R** and **L** jacks.



## ✍ NOTE ✍

For TVs that do not have an audio/video input jack, use a video RF modulator. Connect the RF modulator to **VIDEO OUT** and to the TV's 75-ohm VHF input terminal, following the instructions in the modulator's owner's manual.

## CONNECTING TO A TV

You can connect the CD/CDG karaoke system to a TV or monitor and see the words and images produced by CDG. Plug one end of the supplied cable into **VIDEO OUT** jack and the other end into your TV's VIDEO IN jack.✍

## CONNECTING POWER

When you have made all other connections, plug your system's power cord into a standard AC outlet.⚠ ⚡

# OPERATION

## TURNING THE SYSTEM ON/OFF

To turn on the system, press **POWER**. The POWER LED lights.

To turn off the system, press **POWER**. The POWER LED turns off.

## ADJUSTING THE SOUND

**MASTER VOLUME** — To control the volume from the system's speaker, rotate **MASTER VOLUME** toward **MIN** or **MAX**.




**AUTO VOICE** (Automatic Voice Control) — To replace the volume of the prerecorded singer's voice, adjust the **AUTO VOICE** between **MIN** and **MAX**.

**ECHO** — To add an echo effect to your voice while you sing, adjust **ECHO** between **MIN** and **MAX** for the desired effect.

**MIC VOLUME** — To adjust volume of **MIC 1** and **MIC 2** while you are singing, rotate **MIC VOLUME** between **MIN** and **MAX**.

**LOUDNESS** — To add or remove an extended bass and treble effect, slide **LOUDNESS** to **ON** or **OFF**.

## PLAYING A CD/CDG

1. Press **POWER** to turn on the system. The POWER indicator lights.
2. Press **OPEN/CLOSE** on the top of the unit to open the CD/CDG door. 
3. Place a CD/CDG in the compartment tray over the center hub, with the label facing up. 
4. Press **OPEN/CLOSE** again to close the CD/CDG compartment. The total number of tracks and total playing time appear. 
5. Press **PLAY/PAUSE**. The CD/CDG begins to play from track 1, and the track's elapsed playing time appears.

The system automatically stops play at the end of the CD/CDG's last track. To stop it sooner, press **STOP**.

### **NOTE**

- To temporarily stop play, press **PLAY/PAUSE**. **II** appears. The elapsed time stops and the track number flashes. To resume play, press **PLAY/PAUSE** again.
- Do not apply excessive force to the CD/CDG door, or press the door while a CD/CDG is playing.
- Never place anything except a compact disk on the disk tray. Foreign objects can damage the player.
- Never place more than one disc on the disc tray at a time.
- During playback, if the system is subject to a sudden shock or jolt, the speed of rotation might change, or some noise might be produced. This is not a malfunction.

## Skipping Tracks

While the disc is stopped, you can skip up or down to select a specific track by pressing **SKIP/SEARCH** ⏮ or ⏭. To play the selected track, press **PLAY/PAUSE**.

While a CD/CDG is playing, press **SKIP/SEARCH** ⏮ once to skip back to the beginning of the current track. Repeatedly press **SKIP/SEARCH** ⏮ to search backward to the beginning of the desired track. Repeatedly press **SKIP/SEARCH** ⏭ to search forward to the beginning of the desired track.

## Search Play (CD ONLY)

Hold down **SKIP/SEARCH** ⏮ or ⏭ to search rapidly forward or backward during play. The CD plays rapidly and you can hear the sound at a high speed. To return to normal play, release **SKIP/SEARCH** ⏮ or ⏭.

## Programmed Play

You can program the CD/CDG player to play up to 20 tracks in any order you choose, and you can program the same track to play more than once.

1. Press **STOP**. The system displays the total number of tracks and the total playing time.
2. Press **PROGRAM**. **MEMORY** appears at the top of the display, along with the track number. **Pr P:01** appears in the display. **P:01** represents the position number you programmed. ✓
3. Press **SKIP/SEARCH** ⏮ or ⏭ to select the desired track. The track number appears.
4. Press **PROGRAM** to store the selected track.
5. Repeat steps 3 and 4 to program up to 20 tracks. ✓
6. Press **PLAY/PAUSE** to play the programmed tracks. The first track number appears on the display with the elapsed time of the track in play.

Programmed play automatically stops at the end of the last programmed track. To stop the CD/CDG's sooner, press **STOP**.

To review the programmed sequence, while play is stopped, repeatedly press **PROGRAM**.

To replace a programmed track, press **PROGRAM** until the position number of the track you want to replace appears. Then repeat steps 3 and 4 to select and store the new track.

### NOTE

- **MEMORY** remains on the top left corner of the display until you erase the programmed sequence.
- The 21st track you program replaces the first programmed track, and each additional track you program replaces the next successive track.

To erase a programmed sequence during programming, press **STOP**. **MEMORY** disappears.

To erase a programmed sequence after programming, press **PROGRAM**. Then press **STOP**. **MEMORY** disappears.

To erase a programmed sequence at any time, press **OPEN/CLOSE**, or press **POWER**.

## KARAOKE

When a microphone is plugged into **MIC 1** or **MIC 2**, the system mixes the microphone output with recorded music from CDs or CDGs. Rotate **MIC VOLUME** to a comfortable listening level, and **AUTO VOICE** for the best balance between playback and microphone levels.

Rotate **ECHO** to add depth and richness to vocals.

## Singing Along With A CD/CDG

1. Press **POWER** to turn on the system. The **POWER** indicator turns on.
2. Load a CD/CDG in the CD compartment.
3. Set **AUTO VOICE** to the desired position, to enjoy both the music and original singer's voice. Whenever you sing along, the original singer's voice is cancelled.
4. Press **PLAY/PAUSE** to start play.
5. Adjust **MASTER VOLUME** to the desired level.
6. Set the microphone's **ON/OFF** switch to **ON** and rotate **MIC VOLUME** to adjust the microphone's volume.
7. Sing directly into the microphone along with the music.
8. Adjust **ECHO** for the desired reverberation.
9. When you finish, press **STOP** on the CD/CDG. Then press **OPEN/CLOSE** to open the compartment door and remove the CD.
10. Set each microphone's **ON/OFF** switch to **OFF**, then press **POWER** to turn off the system.




# TROUBLESHOOTING

If you have problems operating your CDG Karaoke System, use this chart to determine the problem and possible solutions. If you still have problems, contact your local RadioShack store for assistance.

Problem	Possible Cause	Solution
The karaoke system does not work.	No power	Make sure the power cord is properly plugged into an AC outlet.
No sound	<b>MASTER VOLUME</b> or <b>MIC VOLUME</b> is set to the lowest setting.	Adjust <b>MASTER VOLUME</b> or <b>MIC VOLUME</b> .
No song lyrics appear on screen.	Video cable is not connected properly to the TV.	Connect the video cable to <b>VIDEO OUT</b> and to the TV's <b>VIDEO IN</b> .
	TV's source selector is not set to VIDEO.	Use your TV's remote control to select VIDEO.
CD skips or will not play.	The CD/CDG is loaded upside down.	Reload the CD/CDG.
	The CD/CDG is dirty or defective.	Clean the CD/CDG, or try a different CD/CDG.
	Moisture has condensed on the pick up lens.	Unplug the system and wait 1 hour for the moisture to evaporate.

# CARE

Keep the karaoke dry; if it gets wet, wipe it dry immediately. Use and store the karaoke only in normal temperature environments. Handle the karaoke carefully; do not drop it. Keep the karaoke away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new. 

## CD/CDG CARE TIPS

Even though a compact disc is durable, treat the CD surface with care.

Do not write on either side of the CD, particularly the non-label side. (Signals are read from the non-label side.)

Do not store CDs in high temperature or high humidity areas. They might warp.

Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.

Always handle a CD by the edges to avoid fingerprints. Always keep it in its protective case or sleeve when it is not in use. Fingerprints and scratches on the CDs surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use RadioShack Scratch 'n Fix to repair the disc.

## SERVICE AND REPAIR

If your karaoke is not performing as it should, take it to your local RadioShack store for assistance. Modifying or tampering with the karaoke's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

### CAUTION

You might permanently damage your speaker by cleaning it with a vacuum cleaner. Use a feather duster or a soft loose cloth instead.

# SPECIFICATIONS

Power Output (at 10% THD) ..... 5 Watts per channel  
CD Play Frequency Response (at +/-3dB) ..... 100-10000 Hz  
Signal to Noise ..... 60 Db  
Dynamic Range ..... More Than 80Db  
Speaker ..... 4-inch mono speaker (8 ohm)  
Microphone (Monaural) Impedance ..... 600 ohm  
Power Source ..... AC 120V, 60 Hz, 20W  
Dimensions ..... 12<sup>3</sup>/<sub>16</sub> × 9<sup>1</sup>/<sub>16</sub> × 7<sup>7</sup>/<sub>8</sub> Inches (310 × 230 × 200 mm)  
Weight ..... 15 lb. 7 oz. (7kg)  
Included Accessories Microphone, RCA Plug Cable, CDG Karaoke Disc

Specifications are typical, individual units might vary. Specifications are subject to change and improvement without notice.

# THE FCC WANTS TO KNOW

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 your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your karaoke.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

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.

Your karaoke is ETL listed to UL standards and meets all applicable FCC requirements.

### **Limited Ninety-Day Warranty**

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street, 6th Floor, Fort Worth, TX 76102

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