

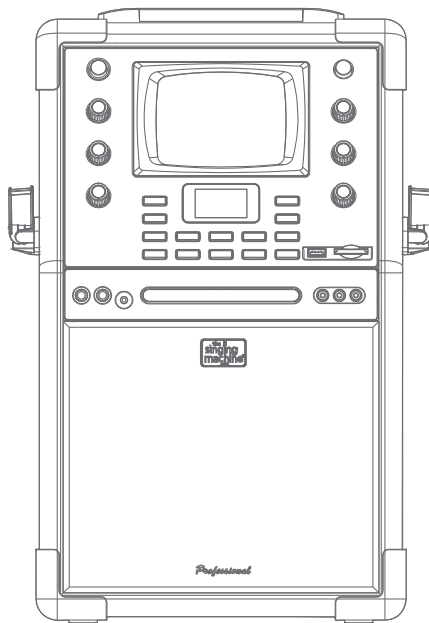


Instruction Manual

SMG-903

Please read before using this unit.

Professional Recording Karaoke System





The Singing Machine® is a registered trademark of The Singing Machine Co., Inc.

WARNINGS

ENGLISH

- TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- THIS APPLIANCE SHOULD NOT BE EXPOSED TO OR PLACED NEAR, DRIPPING, SPLASHING WATER OR OBJECTS FILLED WITH LIQUIDS (SUCH AS VASES.)

 <p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of unisolated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.</p>	<p style="text-align: center;">CAUTION</p> <p style="text-align: center;">RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVIC-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>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.</p>
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IMPORTANT SAFETY INSTRUCTIONS

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 dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's 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. 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/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/apparatus combination to avoid injury from tip-over.
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.

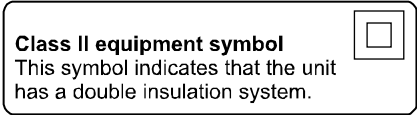
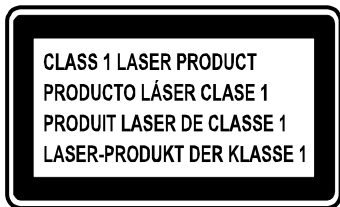


IMPORTANT SAFETY INSTRUCTIONS

15. 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.
 Alternate Warnings - This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
16. 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 or the manufacturer's instructions have been adhered to.
17. The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

CAUTION: USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE

CAUTION: Invisible laser radiation when open and inter locks defeated. Avoid exposure to beam. This class[B] digital apparatus complies with Canadian ICES-003.

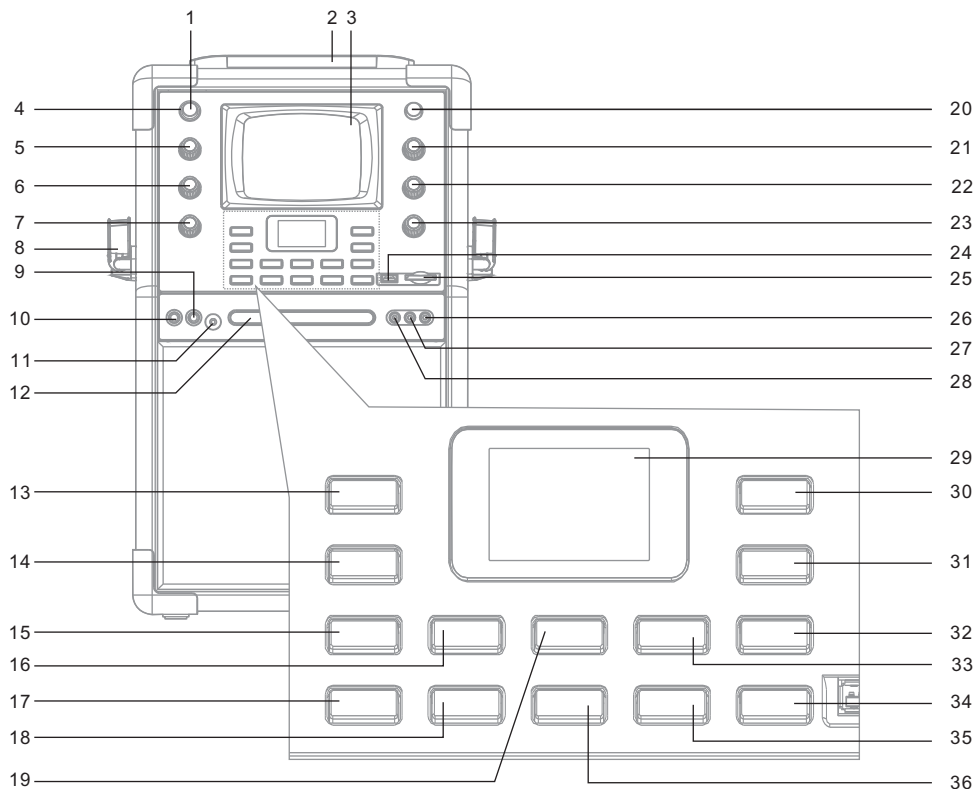


Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.

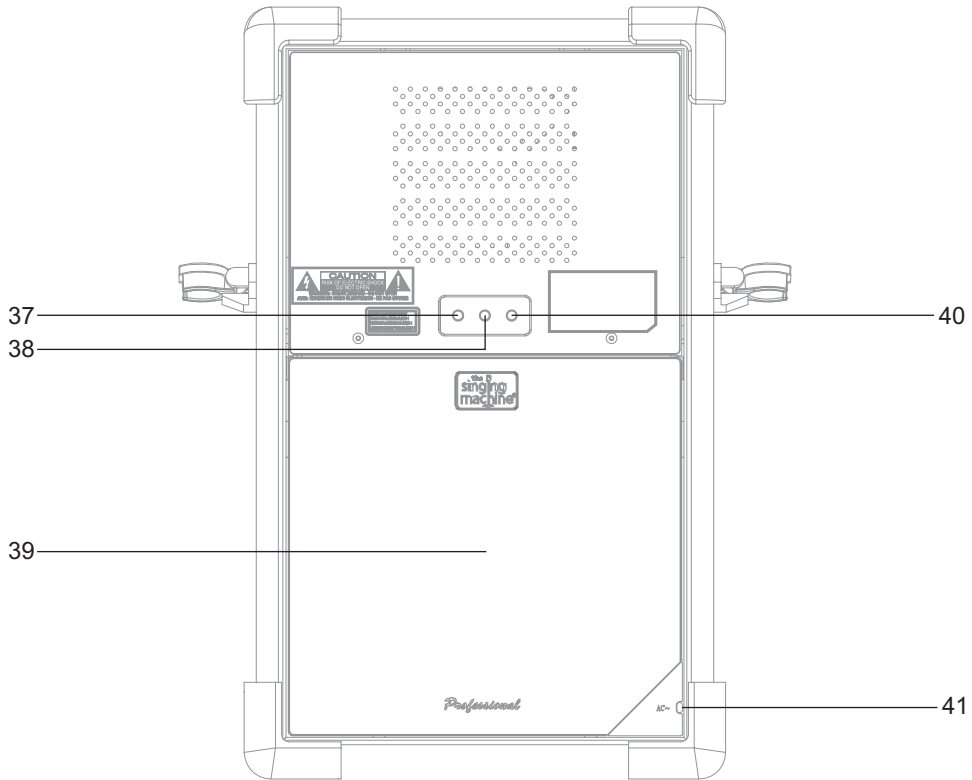
CONTROL LOCATIONS



FRONT VIEW

- | | | |
|-------------------------|-----------------------------------|------------------------------|
| 1. ON/OFF button | 16. KEY/ECHO button | 27. AUX OUT Jack (R) |
| 2. Handle | 17. RECORD button | 28. AUX OUT Jack (L) |
| 3. Monitor | 18. PROGRAM/DISPLAY button | 29. LCD DISPLAY |
| 4. ON/OFF LED | 19. KEY/ECHO/FOLDER - button | 30. PLAY/PAUSE button |
| 5. MIC 1 Volume Control | 20. MONITOR ON/OFF button | 31. STOP button |
| 6. MIC 2 Volume Control | 21. MASTER VOLUME Control | 32. REPEAT/RANDOM button |
| 7. Auto Voice Control | 22. BALANCE Control | 33. KEY/ECHO/FOLDER + button |
| 8. Mic Holder | 23. EXTERNAL INPUT Volume Control | 34. OPEN/CLOSE button |
| 9. MIC 2 Jack | 24. USB Port | 35. SKIP button ►► |
| 10. MIC 1 Jack | 25. SD/MMC Card Slot | 36. SKIP button ◀◀ |
| 11. EXTERNAL INPUT Jack | 26. VIDEO OUT Jack | |
| 12. CD Door | | |
| 13. Function Selector | | |
| 14. SYNC RECORD button | | |
| 15. DELETE button | | |

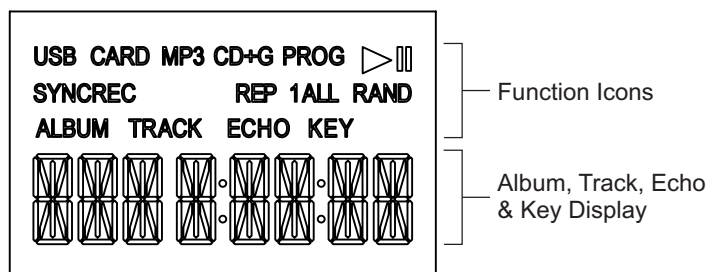
CONTROL LOCATIONS



REAR VIEW

- 37. BRIGHTNESS Control
- 38. CONTRAST Control
- 39. Loudspeaker
- 40. VERTICAL HOLD Control
- 41. AC Power Cord

LCD DISPLAY

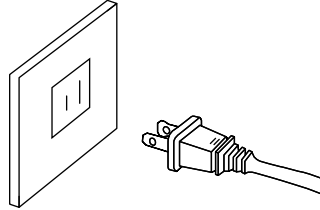


MAKING THE CONNECTIONS

CONNECTING POWER

You can power the system from a standard AC outlet by using the supplied power cord.

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.



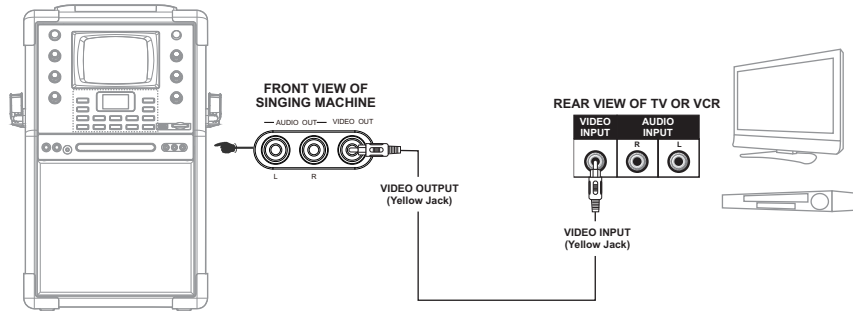
CONNECTING TO YOUR TV OR VCR/DVD PLAYER

Your Singing 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).

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 jack of the front of the Singing Machine.
- (3) Connect the other end of the video cable (yellow) to the video input on your TV or VCR/DVD Player



MAKING THE CONNECTIONS

SELECTING YOUR SINGING MACHINE AS YOUR SOURCE/INPUT

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

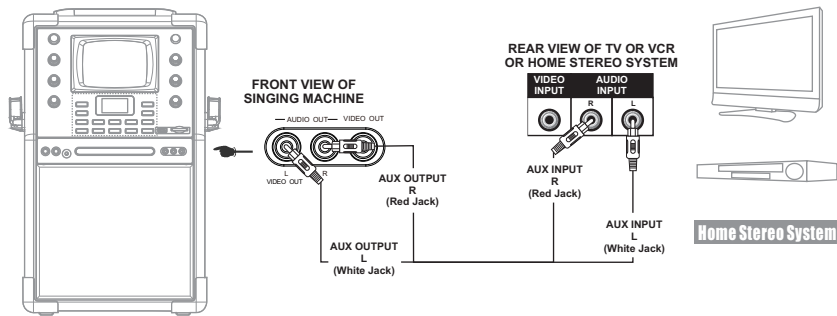
We've listed below the most common ways of selecting the source from your TV or VCR/DVD Player:

- (1) In the set up menu of the TV or VCR/DVD player 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 channel on your TV or VCR/DVD player (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 detailed below:
"VIDEO, VIDEO 1, GAME, AUX, EXT or LINE-IN." Choosing one of those in most cases should display the lyrics from your Singing 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 front of the Singing Machine.
- (3) Connect the other end of the audio cables to the audio/auxiliary input on your TV or VCR or home stereo system.



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.



TURNING POWER ON/OFF

- To power the karaoke center ON; press the ON/OFF button. The LCD will illuminate.
- To power the karaoke center OFF; press the ON/OFF button again. The LCD will no longer be illuminated.

FUNCTION SELECT

Press the FUNCTION SELECTOR to CD.

LOADING A DISC

- Press the OPEN/CLOSE button to 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.
- Press the OPEN/CLOSE button again to close the CD door. The LCD window will display the total number of tracks. (If no disc is loaded, it will display "NO DISC". If a CDG is loaded, the CD+G 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.

(Refer to the Trouble Shooting Guide "If a disc is loaded but the total tracks do not appear".)

PLAY/PAUSE

- Adjust MASTER VOLUME control on your unit to adjust TV or audio system to a comfortable level.
- To start playing, press the PLAY/PAUSE button. The first track [1] and the PLAY (▶) icon will appear on the LCD.
- To temporarily stop playing, press the PLAY/PAUSE button. The PAUSE (||) icon will be displayed on the LCD.
- 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 when the song is stopped and/or when 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 LCD window.)

MASTER VOLUME

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

Note: When using the microphone, the MIC Volume must be adjusted simultaneously with the master volume level.

SKIP (For both CD and CDG discs)

- During STOP mode, you can skip forward or back to your desired track number by pressing the SKIP buttons (◀◀ - SKIP - ▶▶).
- To resume playing the selected song, press PLAY/PAUSE button.

SEARCH (For audio CD 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.

CD OR CD+G OPERATION

REPEAT

- To repeat the track currently playing, press the REPEAT button once. The REP 1 icon will be displayed on the LCD.
- To repeat all tracks, press the REPEAT button twice. The REP ALL icon will be displayed instead of REP 1.
- To clear the REPEAT function, press the REPEAT button two or three times until REPEAT & RANDOM icons on LCD turn off.

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 PROG icon is displayed on the LCD, the track will read [**PG 1**].
 - Step 2: Press the double arrow keys (**⏮** -SKIP- **⏭**) to select a desired track.
 - Step 3: Press the PROGRAM button to confirm entry. You can repeat the same steps up to a maximum of 20 tracks.
 - Step 4: Press the PLAY button when you have completed programming and you are ready to begin singing.
- Press the STOP button twice to clear all the programmed entries.

RANDOM

- Press the REP/RAND button three times to activate the random play function. Press play to start the random play. The RAND icon will be displayed on the LCD.
- Press the STOP button to clear the random function.

MONITOR ON/OFF

- Set MONITOR ON/OFF switch to ON if you want to display a CDG lyrics on the Singing Machine's monitor.
- Adjust the BRIGHTNESS, CONTRAST and VERTICAL HOLD Controls at the back of the Singing Machine to have the best picture quality.

EXTERNAL INPUT OPERATION

Your Singing Machine is designed to connect your favorite Digital Music device (e.g. iPod/MP3 player, etc.) and Professional musical instruments (e.g. Electrical Guitar or Electronic Keyboard).

You can connect your device by using an appropriate cable (not included). We have also provided a Jack Adaptor (Ø6.3mm to Ø3.5mm) if your device is connecting by Ø6.3mm plug.

FUNCTION SELECT

Press the FUNCTION SELECTOR to AUX IN.

EXTERNAL INPUT VOLUME

Rotate the EXTERNAL INPUT Volume control to a certain level (one third of the full range) in order to make sure there is adequate volume input to amplify.

- * **Warning - To avoid over load to the built in speakers on your Singing Machine we recommend adjusting the external input volume to no more than one third of its' capability at the beginning.**

MASTER VOLUME

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

USB AND CARD OPERATIONS

UPLOAD AND PLAY DATA TO/FROM YOUR MEMORY DEVICE

Insert a USB thumb drive, SD or MMC card into their corresponding ports. Press the FUNCTION SELECTOR buttons; the USB or CARD icons will appear on the LCD display. In the event the correct memory device has not been selected the LCD will display "NO USB" or "NO CARD".

1. Press the PLAY/PAUSE button of the system to play the music from the memory device.
2. Press the PLAY/PAUSE button again to pause play, press again to resume play.
3. Press the skip button to skip forwards (▶▶) or backwards (◀◀) through recorded files (tracks), or hold the corresponding buttons to fast forward or rewind.
4. Press the KEY/ECHO/□ + or - button to skip to the next or previous album/folder on the memory device that has more than one album/folder.

NOTE: "UNSUPPORTED MP3" will display when an error has occurred with the memory device (e.g. memory format type is different).

RECORDING SING ALONG

SYNCHRONIZE RECORDING

You can record your favorite CD track(s) and/or your voice into a MP3 format and store them onto your memory device through the USB or SD/MMC ports.

1. Press the FUNCTION SELECTOR button to select CD+G function.
2. Press the SKIP ▶▶/◀◀ button to select the track that you want to record.
3. Press the SYNC REC button to confirm the CD will begin playing the preselected track and record to the device. Press the SYNC REC button one more time and the recording will begin at the selected track and continue recording to the last track.
4. Press the STOP button to stop the synchronize recording. It will take a few seconds to save the recorded file onto the memory device. Please DO NOT remove the memory device until "WRITING" disappears from the LCD display.
5. "FULL" will be displayed when the memory device has reached its capacity. If this is the case, please transfer your recordings to another storage device (e.g. computer) which will allow additional recordings to be stored onto your memory device.
6. For each synchronized recording, a new folder will be created under the RECORD\CDSyncRec folder and all the tracks will be saved under a new folder with the name "TRK001.MP3" through "TRK999.MP3"

Note: The recorded file volume depends on the original CD volume instead of the Singing Machine volume.

USB AND CARD OPERATIONS

DIRECT RECORDING

- Install your memory device and insure the function selected on the system is set to CD+G or AUX mode then press the REC button to begin recording.
- To stop the recording, press the STOP button. The recorded file will be saved under the RECORD\REC folder on the memory device.
- To temporarily stop recording, press the REC button. The record time will flash on the LCD display.
- To resume record, press the REC button again.

NOTE: - For the record function, if only the USB thumb drive is inserted; the recorded file will be stored on the USB.
 If only the memory card is inserted: the recorded file will be stored on the card. If both memory devices are inserted to the unit, then the recorded file will be stored on the USB.
 - The recorded file volume depends on the original CD volume instead of the Singing Machine volume. But for the AUX mode, it depends on the EXTERNAL INPUT volume of the Singing Machine volume.

DISPLAY

Pressing the DISPLAY button will provide the following information on the LCD:

While the unit is recording, pressing the DISPLAY button once will reveal the total available recording time. Pressing the button twice will display the used capacity (in megabytes, MB). Pressing the button three times will display the available memory capacity (in megabytes, MB). Press the button four times and the track info (e.g. track #) will be displayed. Press the button five times and the original display will appear.

NOTE: This display function can only be activated while in recording status.

DELETE FILE

You can delete a specific track or album/folder via the unit. Insert your memory device and turn on the unit.

DELETING A TRACK

1. Press the FUNCTION SELECTOR button to select the USB or CARD mode.
2. Press SKIP ►► / ◀◀ button to select the track which you want to delete.
3. Press the DELETE button and the LCD will display "DEL FILE".
4. Press the DELETE button again to execute the delete function.
5. The file is deleted and the track numbers remaining will shift accordingly.

DELETING A FOLDER/ALBUM

1. Press the FUNCTION SELECTOR button to select the USB or CARD mode.
2. Press KEY/ECHO/□ (+/-) buttons to select the ALBUM/FOLDER which you want to delete.
3. Press and hold the DELETE button until the LCD displays "DEL DIR".
4. Press the DELETE button again to execute the delete function.
5. The album/folder is deleted and the sequence numbers of the remaining albums/folders are shifted accordingly.

WARNING: Do not remove the memory device from the unit while playing, recording or deleting. Doing so may cause damage to the memory device and/or all files recorded on it.

KARAOKE FUNCTIONS

Karaoke functions can be performed on CDG/AUX/USB/CARD function modes. Sing along with the music by plugging in the provided microphone into either one of the microphone jacks on the unit.

* **Warning - 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!**

MIC VOLUME

Adjust the MIC VOLUME control to a desired level to obtain the best performance. (MIC 1 and MIC 2 volume can be adjusted separately.)

* **Warning - To avoid microphone feedback please avoid being holding the microphone too close to the speaker.**

ECHO

Press the KEY/ECHO button until ECHO icon lights. Then press the KEY/ECHO/FOLDER (+/-) buttons to adjust the ECHO effect (Level: 0 to 8) to enhance the singers' voice for a concert hall effect.

KEY CONTROL (For both CD and CDG discs only)

Press the KEY/ECHO button until KEY icon lights. Then press the KEY/ECHO/FOLDER (+/-) buttons to adjust the KEY control (Level: -4 to 4) to obtain the best key for the singers' performance.

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 on our website to learn more about multiplex.)

AUTO VOICE CONTROL

AUTO VOICE CONTROL can be activated by rotating the Auto Voice control knob. The vocals on a multiplex recording will mute when the live performer sings into the microphone. When the live performer stops singing the vocals will resume from the pre-recorded disc.

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/PA system is set to minimum.	Turn up the volume on TV/PA system.
	TV set/PA system power is OFF.	Turn on the power on TV/PA system.
	AUX OUT jacks not connected.	Follow directions on the "Audio Connection" page.
CD PLAYER does not work normally or the LED displays "ERR DISC" or "NO DISC".	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.
	Singing Machine needs to be reset.	Disconnect the machine from power source for 30 seconds.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
No sound when audio is going through TV, VCR or home stereo.	Source Selection on your TV, VCR or home stereo is not set properly.	Select AUX IN as the source for your TV, VCR or home stereo.
	Improper Connection to stereo system or PA.	Follow directions on the "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 Singing 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.
	TV does not have video line input.	Connect from VIDEO OUT of the system to the VIDEO IN on your VCR or Connect to an RF Modulator and then to the TV cable input. Check the disc to be sure it is a CDG.
	A CDG is loaded but the CDG indicator is not lit.	Check disc to be sure it is clean.
No sound from mic.	Mic volume control.	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.
While playing a CDG and singing with the microphone, the music or vocals cut out.	AVC is activated to Maximum.	Adjust AVC to Minimum.
	You are playing a music only track.	Play track that includes music and vocal.
Music and Vocals are playing at a high speed.	Key control is set to +4.	Adjust key control to 0.
While playing a CDG track with music and vocals, only music or vocals play.	Balance is set either to the left or right.	Adjust balance to mid point.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
Cannot play DIY MP3 files.	The player is not compatible with DIY MP3 files.	Different compression tools use different compression formats and compression rates. The player supports the standard MP3 format. When you create MP3 files, do not use the MPEG 1 Layer 1 or MPEG 1 Layer 2 standard. Use the MPEG 1 Layer 3 format instead.
The time on the LCD is incorrect when playing MP3 files.	The MP3 file was created using the VBR (variable compression speed rate).	Create MP3 files with a stable speed rate.
Picture is jumping up.	VERTICAL HOLD Control is not set correctly.	Adjust the VERTICAL HOLD Control.

ENGLISH

SPECIFICATIONS

AUDIO SECTION: OUTPUT POWER (MAXIMUM) OUTPUT IMPEDANCE	7 WATTS (RMS) 4 OHMS
CD PLAYER SECTION: FREQUENCY RESPONSE SIGNAL - TO - NOISE RATIO NUMBERS OF PROGRAMS SAMPLING SYSTEM	100 Hz - 20 KHz 50dB (A-WTD) 20 STEPS RANDOM ACCESS PROGRAMMING 8 TIMES OVER SAMPLING
MONITOR SECTION	5.5" BLACKAND WHITE TV MONITOR NTSC SYSTEM
USB & SD/MMC CARD SECTION: SUPPORTED FILE FORMAT SUPPORTED FILE SYSTEM SUPPORTED BIT RATE PLAYBACK RECORD BIT RATE SUPPORTED MEMORY USB OUTPUT POWER	MP3 FAT16, FAT32 32Kbps ~ 320Kbps 128Kbps 32MB ~ 2GB (Memory card) 32MB ~ 4GB (USB thumb drive) DC5V, 500mA max.
MICROPHONE	-74dB 600 OHMS IMPEDANCE WITH Ø 6.3mm DYNAMIC MICROPHONE
POWER SECTION	AC 110V-120V~60Hz
DIMENSIONS (W x D x H)	12.3 x 12.8 x 20.0 Inches / 31.3 x 31.1 x 50.8 cm
WEIGHT	16.1 lbs / 7.3 kgs

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

THE SINGING MACHINE KARAOKE 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 Singing 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 recordings and not with standard audio recordings.

Pitch Control:

This function controls pitch of music by controlling the speed at which a cassette tape plays back. By increasing the speed of the tape, the music sounds higher (sharp). By decreasing the speed of the tape, the music sounds lower (flat).

Key Controller:

Key Controller changes the key of the CD/CDG music (+ or - steps) to adjust to the singer's voice.

CDG:

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, CDG 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 sync with music. In most cases, CDG software displays lyrics which change color as they are to be sung. A regular television is all that is required to display CDG lyrics.

NOTE - CDG 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 CDG 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.





The Singing Machine Company, Inc. d/b/a
SMC GLOBAL INC.

903-0909-ENG01

6601 Lyons Road, Suite A7, Coconut Creek, FL33073-9902, USA.
TEL: (954) 596-1000 FAX: (954) 596-2000

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VISIT OUR WEBSITE www.singingmachine.com