

**CAVS USA INC**

**Quickstart Manual**

**For**

**Karaoke Jukebox  
CAVS JB-99RG**

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## 1. Unpacking

The unit will come in two pieces, one carton box and one wooden crate.

The carton box includes:

- TV monitor

The wooden crate includes:

- JB-99RG

- In the side pockets of JB-99RG:

  - Power cable

  - 2 Keys

  - 4 Screws

  - Songbook, Program CD-ROM, and Instruction sticker

  - 2 Microphone hangers with 4 screws

- In the back bottom compartment:

  - 2 M-5 microphones

  - Remote Control

  - Manager's kit: User's Manual, Remote control, AV cable

  - Instruction sticker

  - FX cable

  - Swivel joint with 4 screws

Together they weigh 375lbs with dimensions 22" x 22" x 21" for the carton box and 45" x 35" x 35" for the wooden crate. You are advised to have a forklift in the receiving location to unload them from a truck.

- 1.1 To dismantle the wooden crate, use a screwdriver to take out the screws from each side of the crate. Then using a crowbar, gently pry open the top cover followed by four sidewalls. Next using the steel handles located on three sides, lift the JB-99RG unit out of the bottom holder and gently place it on the floor. Unlock the wheels on the bottom of the JB-99RG and roll the unit into its place.

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- 1.2 When transporting the unit without its wooden crate, it is best to do so in its upright position. If a height restriction does not allow such positioning, then lay down the unit on its backside, preferably on top of a soft carpet for easy sliding and protection. Use cushions on both ends of the unit for a balance against the steel handle on the backside.

## 2. Installation

### 2.1 TV monitor

- 2.1.1 Remove the upper steel plate on top of the JB-99RG by unscrewing 4 bolts.
- 2.1.2 Attach the upper steel plate to the bottom of the TV monitor with 4 screws that came in a side pocket of JB-99RG. The upper steel plate is design to fit the bottom of the TV monitor in only one way with the 4 screw holes in line with the 4 screw holes of the TV bottom.  
  
**WARNING:** Tightening the screws onto the bottom of the TV monitor should be done delicately as the screws may tear out the plastic grooves on the bottom of the TV monitor if too much force is used.
- 2.1.3 If you would like to have the TV monitor swivel on top of the JB-99RG case, you can make it so using the optional swivel joint found in the back bottom compartment. Using 4 screws, first attach the swivel joint to the upper steel plate now attached to the bottom of the TV monitor. Then place the TV monitor (with the swivel joint) on top of the lower steel plate located on the JB-99RG case. Lock the swivel joint to the lower steel plate with additional 4 screws.
- 2.1.4 To set the TV monitor without swivel movement, place the TV monitor on top of the JB-99RG with the upper steel plate sitting on top of the lower steel plate. Screw the 4 bolts into the steel plates locking the two pieces together.

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2.1.5 Insert the power cord of the TV into the circular hole on the top of the JB-99RG and down to the bottom chamber. You should have the door to the bottom chamber opened by now. Plug the power cord of the TV monitor into the multi-outlet inside the bottom chamber.

**NOTE:** The multi-outlet may have come loose from its holders on the bottom of the compartment while being transported. If so, place the multi-outlet into its position on the floor of the compartment and lock it in position by sliding it against its holders.

2.1.6 Connect the video RC cable on the top of the JB-99RG to the TV monitor Video In.

## 2.2 Mixer-Amplifier

2.2.1 Set all round knobs of the mixer-amplifier at the 12 o'clock (center) position except for the master volume (the largest round knob) that is to be set at 9 o'clock position.

2.2.2 Set all 4 white push buttons so that they are pressed out. Also set the power button on.

**WARNING:** To avoid any damage to the mixer-amplifier and the speakers, please consult with CAVS Tech Support before attaching any additional speakers to the mixer-amplifier.

## 2.3 Microphones

2.3.1 Attach the 2 microphone hangers onto the right side of the JB-99RG using the 4 screws that came together in a side pocket of the JB-99RG.

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2.3.2 Remove the microphones from their boxes and connect the headpieces to the cords.

2.3.3 Insert the microphone jacks into the Mic1 and Mic2 Inputs of the mixer-amplifier on the back of the JB-99RG.

2.3.4 Place the microphones in the microphone hangers with the switches (located on the headpieces) turned off.

**WARNING:** To prevent a possible damage to the mixer-amplifier from sudden pull of microphones, tie the cords of the microphones to the steel handle on the back of the JB-99RG.

## 2.4 Remote Control

2.4.1 Remove the remote control and batteries from the box. Insert the batteries into the remote control.

## 2.5 Instruction Sticker

Remove the Instruction sticker included in the manager's kit. Place the sticker on the front panel of the JB-99RG.

## 3. Booting up

3.1 Find a power cord in a side pocket of JB-99RG and connect it to the AC power socket on the back (bottom) of the JB-99RG. Plug the power cord into a wall power outlet of 110V.

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- Confirm that the red power light of the mixed-amplifier becomes lit on the back of the JB-99RG.
  - Confirm that the red power light of the cassette recorder becomes lit on the left side of the JB-99RG.
  - Confirm that the bill acceptor begins to flash yellow lights on the front of the JB-99RG.
  - Confirm that the green power light of the TV monitor becomes lit.
- 3.2 Press the Power button on the TV monitor to turn it on. Change the channel to 1 for Video.
- 3.3 Press the Power button on the front panel of the JB-99RG to begin the boot up process. This process will take approximately 30 to 50 seconds.
- Confirm that the yellow flashing lights of the bill acceptor change to green in color.
  - Confirm that the TV monitor shows the welcome screen “Welcome to CAVS Sing Along”.

**NOTE:** Once the JB-99RG unit is turned on, the Power button along with other selected buttons will be automatically disabled. To power off the unit, unplug the power cord, and to reboot, plug in the power cord. To turn off this automatic disable function, please go to Step 5.4

## **4. Operating JB-99RG**

### **4.1 The basic operation of JB-99RG**

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- Insert the money (\$1, \$5, \$19, \$20) into the bill acceptor.
- Select a song from the songbook and punch in the song number.
- Press the Play button to begin playing.
- Turn on the microphones and sing along with the lyrics.
- Press the Stop button to stop playing. This will be possible only within first 10 seconds of the song in play. After the 10 seconds, all functions except for those listed below will be disabled:

**Volume Control** - Adjust the master volume level by pressing the Volume button (▲, ▼) on the front panel.

**NOTE:** For more detailed instructions on music and vocal volume controls, go to the Step 9.Mixer-Amplifier.

**Voice Cancel** - Turn on or off the singer's voice by pressing the Vocal button (this function is only available for the multiplex recordings of the songs).

**Key Control** - Adjust the key (pitch) level by pressing the Key button (▲, ▼).

**Tempo Control** - Adjust the tempo (speed) level by pressing the Temp button (▲, ▼).

## 4.2 Other Functions

Other functions available at the welcome screen of the JB-99RG are

**On Screen Songlist** - Press the PgUp or PgDn button to display the songlist on the TV monitor and search forward or backward one page at a time.

**On Screen Selection** – Press the Line Up or Line Dn button to search forward or backward one song at a time on the TV screen. Press the Play button to begin playing the selected song.

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**Sort** - While the songlist is on the TV monitor, press the Sort button to sort the list by the song number, title, or artist.

## **5. Programming Bill Acceptor**

### **5.1 Password**

To change the setting of the bill acceptor, you will need to enter a password. And when the JB-99RG is shipped, the password is preset as Pause - Pause - 7. Enter this password by pressing Pause, Pause, 7 onto the welcome screen.

A new screen <<SYSTEM CONTROL>> should appear on the TV Monitor. The first task you should do is to change the password by pressing 5. Follow the instruction to register a new 4-digit password. After completing to register the new password, press Stop button to return back to the Welcome screen.

To reenter the <<SYSTEM CONTROL>> screen, you must now press Pause, Pause, and your new 4-digit password. Go ahead to enter the new password and display the screen <<SYSTEM CONTROL>>.

### **5.2 Changing the price of a song**

From the <<SYSTEM CONTROL>> screen:

- Press 2 to select “Credits per \$1”. Then use the Search (◀, ▶) buttons to select the amount you wish.
- Press 3 to select “Debits per song”. Then use the Search (◀, ▶) buttons to select the amount you wish.

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- Press the Stop button to return to the Welcome screen.

Examples:

- If the “Credits per \$1” is 2 and the “Debits per song” is 1, then the price per song is \$0.50.
- If the “Credits per \$1” is 1 and the “Debits per song” is 2, then the price per song is \$2.00.

## 5.3 Setting the Bill Acceptor Off (free play mode)

From the <<SYSTEM CONTROL>> screen:

- Press 1 to select “Bill Acceptor”. Then use the Search (◀, ▶) buttons to select On/Off.
- Press the Stop button to return to the Welcome screen.

**NOTE:** The bill acceptor will continue to show flashing lights regardless of its setting when the JB-99RG is in operation.

## 5.4 Setting Button Control

From the <<SYSTEM CONTROL>> screen:

- Press 6 to select “Button Control”. A new screen <<BUTTON CONTROL>> will appear on the TV monitor and the selections 1 and 2 will be preset to be “Disable”.

**WARNING:** Selection 1 should always be set as “Disable”. Only when JB-99 digital player within the JB-99RG unit is removed outside should the selection 1 be set as “Able”.

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- Selection 2 sets the following buttons to be “Able” or “Disable”:

POWER, DISC CHANGE, Open/Close, DISC1, DISC2, DISC3, JB/CD, INTRO, RESUM, MENU, SETUP, PBC, PREV, NEXT, SLOW, RETURN, SELECT, CANCEL, PROG, PPGM, PAUSE, BGV, RETURN, RANDOM, REPEAT, FANFARE, PPGM.

**WARNING:** It is strongly recommended for the operator of JB-99RG to leave the Selection 1 and Selection 2 as “Disable” while operating with the bill acceptor. For other settings, please read the User’s Manual of JB-99 Digital Jukebox for detailed information.

## 5.5 Setting Free Credits

From the <<SYSTEM CONTROL>> screen:

- Press 4 to select “Free Credits”. Then use the Search (◀, ▶) buttons to select the amount of free credits to be issue when the JB-99RG is powered on with a new boot up.
- Press the Stop button to return to the welcome screen.

**NOTE:** The free credit is useful as it provides a chance to test the machine before a start of a new business day without actually putting in a bill, especially after the JB-99RG has been downloaded with new song updates.

## 5.6 Setting Display Title

From the <<SYSTEM CONTROL>> screen:

- Press 7 to select “Display Title”. Then use the Search (◀, ▶) buttons to select Off to clear any message on the initial welcome screen.

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- Press the Stop button to return to the welcome screen. And there will be a blank initial screen.

**NOTE:** With the blank initial screen, inputting a song number and pressing the Play button will still function to play the selected song. Other functions listed in Step.4 will also work as usual.

## **6. Collecting bills**

- 6.1 Open the steel case door on the right side of the JB-99RG using a key provided with the unit. Inside, there is a gray plastic box held attached to the bill acceptor. This plastic box holds maximum 600 bills (of \$1, \$5, \$10, \$20) entering into the bill acceptor.
- 6.2 Slip a hand in to the bottom side of the plastic box. There is a latch that holds up the box at the bottom between the bill acceptor and the plastic box. Slide the latch towards the bill acceptor (towards where the bills enter) and it will free the plastic box to drop slightly. Remove the plastic box from the bill acceptor.
- 6.3 The bottom of the plastic box (as it is positioned inside the JB-99RG) opens up to show the bills inside the box. Slide the bills out and reattach the box to the bill acceptor.

## **7. Loading Song Updates**

Monthly song updates will arrive in a Data CD of CD-ROM format from CAVS. To download the songs into the JB-99RG:

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- 7.1 Enter the password to open <<SYSTEM CONTROL>> screen.
- 7.2 Select 6.Button Control to display the <<BUTTON CONTROL>> screen. Select 2 and use the Search (◀, ▶) buttons to set the Button set #01 as “Able”.
- 7.3 Press the Stop button twice to return to the welcome screen. Then press the Menu button to enter into <<<FUNCTION>> screen.
- 7.4 Select 4.System Setup to display <<SYSTEM SETUP>> screen. Select 1.Download from CD-ROM to display <<<DOWNLOAD>>> screen.

**NOTE:** To understand the use of other available functions in the <<FUNCTION>> screen and <<SYSTEM SETUP>> screen, please read the User’s Manual of JB-99.

- 7.5 Insert the Data CD into the CD-ROM drive located in the back of the JB-99RG and close the tray.
- 7.6 Press the Play button to display the following menu:
  1. To begin download, press ‘PLAY’  
Starting song number xxxxxx
  2. To change setting, press ‘2’

**WARNING:** Pressing the Play button in Step 7.6 may at times fail to display the new menu and instead display a sign ‘NO DISC’ on the top right corner of the TV monitor. Press the Play button once more to display new screen.

- 7.7 Press 1 to begin downloading. One song will take approximately 25 seconds to download.
- 7.8 When the downloading completed, press the Stop button until the welcome screen is displayed.

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- 7.9 Enter the password to return to <<SYSTEM CONTROL>> screen.
- 7.10 Select 6.Button Control. Then select 2 and set the Button set #01 as “Disable”.
- 7.11 Press the Stop button until the welcome screen is displayed.

## **8. External background video**

A background video playing behind the lyrics on the TV monitor can be imported from an external source such a DVD player or a camcorder.

- 8.1 Remove the top back panel by unscrewing 6 screws on the back of the JB-99RG.
- 8.2 Insert a video RC cable through the circular hole on the top of the JB-99RG and connect the internal end to the Video In of the JB-99 and connect the external end to the Video Out of an external video source. Close the top back panel with the 6 screws.
- 8.3 Enter the password into the JB-99RG to open <<SYSTEM CONTROL>> screen.
- 8.4 Select 6.Button Control to display the <<BUTTON CONTROL>> screen. Select 2 and use the Search (◀, ▶) buttons to set the Button set #01 as “Able”.
- 8.5 Press the Stop button twice to return to the welcome screen. Then press the Menu button to enter into <<<FUNCTION>> screen.
- 8.6 Select 4.System Setup to display <<SYSTEM SETUP>> screen. Select 3.Video source to display “External”.

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**WARNING:** Be sure to have the external video source turned on and playing before proceeding further.

8.7 Press the Stop button to return to the welcome screen. You should now see the text of the welcome screen superimposed on the background video of the external source.

8.8 Enter the password to display <<SYSTEM CONTROL>> screen.

8.9 Select 6.Button Control. Then select 2 and set the Button set #01 as “Disable”.

8.10 Press the Stop button until the welcome screen is displayed.

## 9. Mixer-amplifier

CAVS CA-242RA mixer-amplifier comes with many individual and independent controls for Mic1, Mic2, Echo, Music, and Master. For each of these categories, there are following controls:

	CONTROLS							
MIC 1	VOLUME	BALANCE	ECHO	LO	MID	HI	x	x
MIC 2	VOLUME	BALANCE	ECHO	LO	MID	HI	x	x
ECHO	VOLUME	x	x	LO	x	HI	REPEAT	DELAY
MUSIC	VOLUME	BALANCE	x	LO	MID	HI	x	x
MASTER	VOLUME	x	x	LO	MID	HI	x	x

Before making adjustment of the controls, it is recommended to begin with all control knobs at the 12 o'clock (center) position except for the master volume (large round knob) that is to be set at 9 o'clock position.

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## **9.1 Master Volume Control**

Using the Volume button on the front panel or on the remote control, increase the level by pressing ▲ up and decrease the level by pressing ▼ down. You may also go direct and turn the master volume control knob located on the mixer-amplifier on the back of the JB-99RG.

## **9.2 Vocal Volume Control**

Increase or decrease the vocal volume level by adjusting the volume level controls of Mic1 and Mic 2 located on the back of the JB-99RG.

If the volume level controls of Mic 1 and Mic 2 are past the 3 o'clock positions and you still need to increase the vocal volume, it is recommended instead to decrease the volume level of the music and at the same time increase the volume level of the master.

## **9.3 Base (LO) Level Control**

If you are finding too much Base (LO) level in the master volume, you can decrease the Base (LO) level by decreasing the LO level of the master or the LO level of the music.

## **9.4 Echo Level Control**

Depending on the individual who is singing, he/she may prefer to increase or decrease the Echo volume level. Increase or decrease the Echo volume level by adjusting the volume level of the Echo or adjusting the Echo level of Mic 1 and Mic 2.

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## **10. Cassette Recorder**

The cassette recorder of JB-99RG comes with the standard functions of Play, Rewind, F.Forward, Stop/Eject, and Record. And it is ready at any time to record all master audio output of JB-99RG onto a cassette tape.

### **10.1 Recording a song**

- Insert a standard cassette tape into the cassette recorder.
- Press the Rec button to begin recording.
- The recording will continue for the time length of the cassette tape (for example 30 min, 60 min, etc.)
- Press the Eject button and remove the cassette tape when finished.

## **11. Frequently Asked Questions**

### **11.1 Can the JB-99RG unit be connected to more than one TV monitor?**

Answer: Yes, using a video distributor, the video cable coming out from the top of the JB-99RG can be connected to 2 or more TV monitors simultaneously.

A video distributor can be purchased from CAVS or any electronic stores such as Radio Shack.

### **11.2 Can the JB-99RG unit be connected to external speakers or external audio system?**

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Answer: Although the mixer-amplifier of the JB-99RG has additional speaker connectors, it is strongly recommended not to connect any external speakers directly to the mixer-amplifier as it may cause serious damage to the mixer-amplifier and the speakers. A safer and better way is to connect from the Line Out of the mixer-amplifier using an audio RC cable to an external amplifier, and then connect the external speakers to the external amplifier.

To connect an audio RC cable to the Line Out of the mixer-amplifier, you will need to open the front panel of the JB-99RG. Please contact the CAVS technical support department before proceeding.

## **11.3 How can one learn more about all available functions of the JB-99RG?**

Answer: The main engine of the JB-99RG karaoke jukebox is the JB-99 digital jukebox designed and manufactured by CAVS. To understand all functions and flexibilities of the jukebox, please begin by reading the User's Manual of JB-99 Digital Jukebox enclosed in your JB-99RG unit.

## **11.4 How can the previous credits be erased?**

Answer: To erase the credit remaining in the JB-99RG, turn off and then on the bill acceptor from the <<SYSTEM CONTROL>> window. Please note that turning off and then on the JB-99RG unit will not erase the credit remaining.

## **12. Tech Support**

For technical support on the JB-99RG, please contact:

Tel: 888-340-CAVS, 562-801-1607

Email: [cavs.usa@att.net](mailto:cavs.usa@att.net)

Web: [www.cavsusa.com](http://www.cavsusa.com)