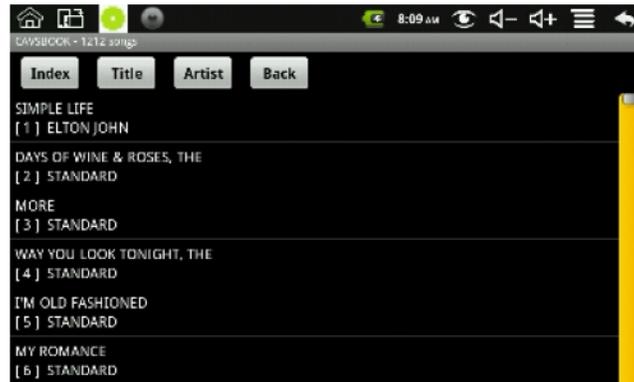


CAVS Reservation System



No More Printing Songbooks, No More Appending Pages

CAVS RS - CAVS Reservation System program is an Android based application that manages song lists of Karaoke / Music players. It runs in Android tablets, Android smart phones, and other Android devices with Android 2.2 or higher operating system.

CAVS RS program can display more than 200,000 songs in 40 different languages in a single or multiple list format. It can instantly sort and search the songs by index, title, or artist at a touch of your fingertips. It can also scroll through the song list and jump to any page with a single touch.

CAVS RS program can create and manage unlimited number of Favorite Lists for customers. It can store the favorite songs for each and every customer in separate lists for easy and quick access.

CAVS RS program can receive and display messages, such as who is next to sing, the last call for drinks, or someone left his lights on. It literally rings in the messages without disturbing your use of the CAVS RS program.

CAVS RS program can remote control to reserve, play, stop, select, or cancel the songs directly into CAVS JB-199s, CAVS Karaoke Laptops, CAVS Touch Screen AIO PCs, and CAVS PlayCDG KJ Deluxe 64 LT players. You can enable or disable this powerful feature for each CAVS RS device individually or for all CAVS RS devices together.

CAVS RS program, up to 30 copies, can communicate simultaneously with a single CAVS Karaoke player or any Windows based laptop / PC. The communication is based on WI-FI Intra-net. It does not need Internet connectivity that may or may not be available in local bars or restaurants.

CAVS RS program is a powerful Android application. It works with CAVS Karaoke players, Windows based laptop / PC, or as a stand-alone unit. It imports the song list automatically using WI-FI, or using micro SD card. CAVS RS program will surely enhance your karaoke fun with the latest network technology.

E-Songbooks 107 and 108 are Android Touch Screen Tablets that are pre-installed with CAVS RS program. If you wish to purchase the ready-made **E-Songbooks**, please go to www.cavsusa.com/product/H_player/e-songbook.htm.

How to download CAVS RS program

1. Using Android device

- Using an Internet browser inside the Android device, go to www.cavsusa.com/product/pc_player/cavsrs.htm.
- Purchase the CAVS RS program. Immediately after the purchase, you will be given a link to download the CAVSRS.apk file. Click on the link and select Save. Next choose a folder, such as /sdcard, into which to download and save the file.
- After the download, use the File browser to locate the saved CAVSRS.apk file. Tap on the file to start the installation. Follow the instructions given in the device to complete the installation.

2. Using Windows PC

- Using an Internet browser in a PC, go to www.cavsusa.com/product/pc_player/cavsrs.htm.
- Purchase the CAVS RS program. Immediately after the purchase, you will be given a link to download the CAVSRS.apk file. Click on the link and select Save. Next choose a folder, such as Desktop, into which to download and save the file.
- After the download, copy the CAVSRS.apk file onto a micro SD card.
- Take out the micro SD card from your PC and insert it into your Android device.
- Open the File browser in the Android device and find the CAVSRS.apk file. Tap on the file to start the installation. Follow the instructions given in the device to complete the installation.

How to activate CAVS RS program

- Tap on the CAVS RS program to start in your Android device.
- Application Registration page will pop-up with the System ID.
- Using an Internet browser (in your Android device or PC), go to www.cavsusa.com/product/pc_player/cavsr.htm.
- Input your email address which was used during purchase and click Next.
- Input the System ID and click Submit. You will be given a License ID by email with a message "Activation Successful".
- Open your email and find the License ID issued to you. Input the License ID back in the Application Registration page of your Android device. Press the Activate button.
- Upon successful activation, the Main Menu screen of CAVS RS program will appear. If unsuccessful, you will be returned to the Home screen of your Android device.

How to set up CAVS RS / Android device and CAVS Karaoke player

- **Setting up CAVS RS / Android device with CAVS Karaoke player**

CAVS RS / Android device works with the following CAVS Karaoke players

- CAVS JB-199, JB-199 II players
- CAVS Karaoke Laptops
- CAVS Touch Screen AIO PCs
- CAVS PlayCDG KJ Deluxe 64 LT program

When working with CAVS Karaoke player, CAVS RS / Android device can fully utilize its features to

- Import the song lists automatically using WI-FI Intra-net.
- Find songs using Scroll, Sort, and Search.
- Create and maintain unlimited number of Favorite Lists for customers
- Receive and display messages
- Reserve songs into the karaoke player
- Remote control to play, stop, select, program, and cancel songs

If you are using CAVS RS / Android device as a stand-alone unit or with a Windows based PC / laptop that is not one of CAVS Karaoke players listed above, please go to the next section.

Wireless router (802.11 b/g) is required for the communication between the CAVS Karaoke player and the CAVS RS / Android device. All standard wireless routers (such as TP-Link, Dlink, Linksys, Netgear, Trend-net, etc.) are supported. Note that a router will provide the Intra-net communication between CAVS Karaoke player and the CAVS RS / Android device without requiring Internet.

Turn on the wireless router and set the router name (for example, CAVS RS) and the security password (WAP/WEP). In the router, you can also reserve an IP address for the CAVS Karaoke player so that for each time the CAVS Karaoke player is turned on, the router will assign the same IP address and thus eliminate the need to change each time the IP address setting in the CAVS RS / Android device. For detail instruction on how to set the name, password, and IP address, please refer to the router's User Manual.

For CAVS JB-199 / JB-199 II player

- Turn on the CAVS Karaoke player. Be sure that your CAVS Karaoke player has the latest JB-199 program (Regular: Version 1.2.122.0 or higher, Premier: Version 2.1.122.0 or higher). To check the current version of the program, go to MENU > 1.Jukebox. To upgrade, go to www.cavsusa.com, and download & install the latest program.
- The JB-199 Karaoke program will begin with CAVS Reservation System (CAVS RS) Server program. This CAVS RS Server program will be visible on the task bar of the Premier unit through a PC monitor. The CAVS RS Server program, however, will not be visible in the Regular unit as it will be hidden behind the JB-199 Karaoke program. To learn how to operate the CAVS RS Server program, please go to [CAVS Reservation System Server program](#). Note that CAVS RS Server program offers variety of additional features, but it is not necessary to operate the CAVS RS Server program to work with CAVS RS / Android devices.
- Connect the CAVS Karaoke player to the router using a LAN (Ethernet) cable.
- In the JB-199 Karaoke program, go to Menu > 1.Jukebox to find the IP address assigned by the Router. The assigned IP address will be of format 192.168.x.x.
- Note that if the song list in the JB-199 karaoke program is changed due to adding or deleting of songs or if the settings in CAVS Reservation System Server program are changed, you must restart the CAVS RS program in the CAVS RS / Android devices to take effect.

For CAVS Karaoke Laptops / Touch Screen All-In-One PCs / PlayCDG KJ Deluxe 64 LT

- Turn on the laptop / PC of the CAVS Karaoke player. Be sure that the CAVS Karaoke player has the latest PlayCDG KJ Deluxe 64 LT program (Version: 1.0.0.89 or higher). To check, start the PlayCDG KJ Deluxe 64 LT program and click on Help > About. To upgrade, click on Help > Online Upgrade.
- From the Windows desktop, set the network settings (name, password) of the built-in WI-FI device to connect to the router.
- Start the PlayCDG KJ Deluxe 64 LT program, go to Tools > Setting, and place a check mark on the Start E-Songbook Server. Press OK.
- The CAVS Reservation System (CAVS RS) Server will start and its program icon will appear on the Task bar. Click on the icon to open the program and find the IP address assigned from the router. The IP address will appear at the top, next to the name CAVS Reservation System Server. The assigned IP address will be of format 192.168.x.x. To learn how to operate the CAVS RS Server program, please go to [CAVS Reservation System Server program](#). Note that CAVS RS Server program offers variety of additional features, but it is not necessary to operate the CAVS RS Server program to work with CAVS RS / Android devices.
- Go to PlayCDG KJ Deluxe 64 LT program and click on My Server in the Folder Menu (lower left corner). Load a Playlist into the File Browser window using the Load button. This Playlist list in My Server will be shared with the CAVS RS / Android devices and only from this Playlist, you will be able to reserve or play the songs. Note that if you change the Playlist in My Server or change the settings in the CAVS RS Server program, you must restart the CAVS RS program in the CAVS RS / Android devices to take effect.

For CAVS RS / Android device,

- Turn on the CAVS RS / Android device by pressing the Power switch (usually for 2 - 3 seconds).
- Tap on the Settings in the application window.

- Tap on the Wireless & networks > Wi-Fi settings.
- Under the Wi-Fi networks, find and tap on the wireless router connected to the CAVS Karaoke player.
- Tap on Connect. If the wireless Router is password protected, input the password.
- Return to the Home window.

● **Setting up CAVS RS / Android device with Windows based laptop / PC**

CAVS RS / Android device works with any laptop / PC running Windows XP, Vista, or 7. Download and install the [CAVS Reservation System \(CAVS RS\) Server program](#) into your laptop / PC.

With a laptop / PC as the communication base, CAVS RS / Android device can perform the following tasks:

- Import the song lists from laptop / PC using Wi-Fi Intra-net.
- Find songs using Scroll, Sort, and Search.
- Create and maintain unlimited number of Favorite Lists for customers
- Receive and display messages from PC / laptop
- Send song requests to PC / laptop

If you are using CAVS RS / Android device as a stand-alone unit, please go to the next section.

Wireless router (802.11 b/g) is required for the communication between the laptop / PC and the CAVS RS / Android device. All standard wireless routers (such as TP-Link, Dlink, Linksys, Netgear, Trend-net, etc.) are supported. Note that a Router will provide the Intra-net communication between the PC / laptop and the CAVS RS / Android device without requiring Internet.

Turn on the wireless router and set the router name (for example, CAVS RS) and the security password (WAP/WEP). In the router, you can also reserve an IP address for the PC / laptop so that for each time the PC / laptop is turned on, the router will assign the same IP address and thus eliminate the need to change each time the IP address setting in the CAVS RS / Android device. For detail instruction on how to set the name, password, and IP address, please refer to the router's User Manual.

For laptop / PC,

- Turn on the laptop / PC. Connect the laptop / PC to the router using a LAN (Ethernet) cable or a Wi-Fi device inside the laptop / PC. For the Wi-Fi device, you must set the network settings (name, password) to connect to the router.
- Start the CAVS RS Server program in the laptop / PC and find the IP address assigned from the router. The IP address will appear in the program, next to the name CAVS Reservation System Server at the top. The assigned IP address will be of format 192.168.x.x.
- Click on Tools > Generate Song List to import a song list. This song list must be of CAVS RS format and will be shared with CAVS RS / Android devices. To learn how to operate the CAVS RS Server program and make a song list of CAVS RS format, please go to [CAVS Reservation System Server program](#).
- Note that if the song list or other settings in the CAVS RS Server program are changed, you must restart the CAVS RS program in the CAVS RS / Android devices to take effect.

For CAVS RS / Android device,

- Turn on the CAVS RS / Android device by pressing the Power switch (usually for 2 - 3 seconds).
- Tap on the Settings in the application window.
- Tap on the Wireless & networks > Wi-Fi settings.
- Under the Wi-Fi networks, find and tap on the wireless router connected to the laptop / PC.
- Tap on Connect. If the wireless Router is password protected, input the password.
- Return to the Home window.

● **Setting up CAVS RS / Android device as a stand-alone unit**

CAVS RS / Android device can work as a stand-alone unit without a connection to CAVS Karaoke player or laptop / PC. As a simple song book, it can

- Import the song lists using a micro SD card.
- Select songs using Search, Sort, and Scroll.

After finding a song, customers will need to rely on a conventional method, such as paper notes, to pass the song selections to KJs.

For micro SD card,

- Create a song list (.txt file) in the [CAVS RS format](#).
- Name the song list (.txt file) as cavsbook.txt and copy onto a micro SD card.

For CAVS RS / Android device,

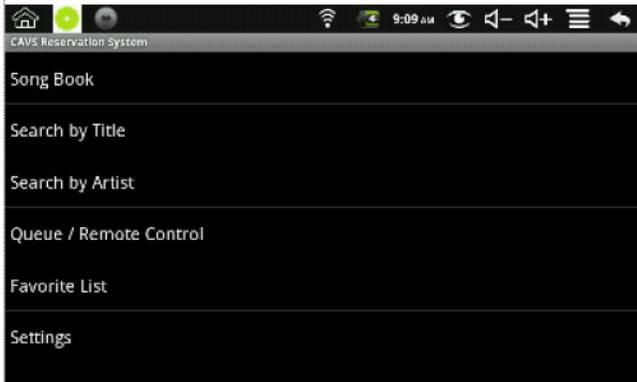
- Turn on the CAVS RS / Android device by pressing the Power switch (usually for 2 - 3 seconds).
- Insert the micro SD card into the CAVS RS / Android device.

In the Home window of Android device, tap on the CAVS RS program icon and start the program.

1. Main Menu

The Main Menu of CAVS RS program will appear with the following selections.

- Song Book - Display total song list
- Search by Title
- Search by Artist
- Queue / Remote Control - Play, reserve, store, cancel
- Favorite List
- Settings - Change settings



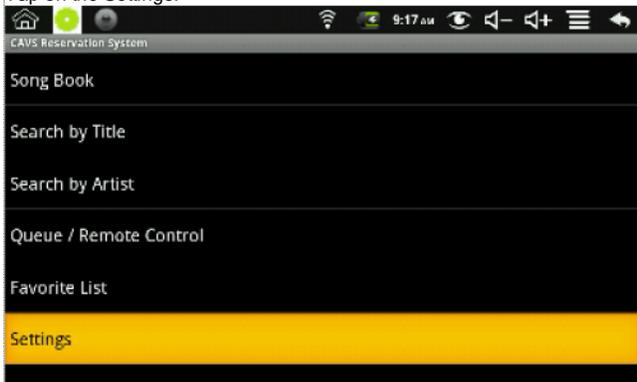
Note the colorful (red, blue, green) burst icon at the top left corner of the screen. It indicates

- Red: Not connected.
- Blue: Connecting / Importing a song list.
- Green: Importing completed / Ready to go.

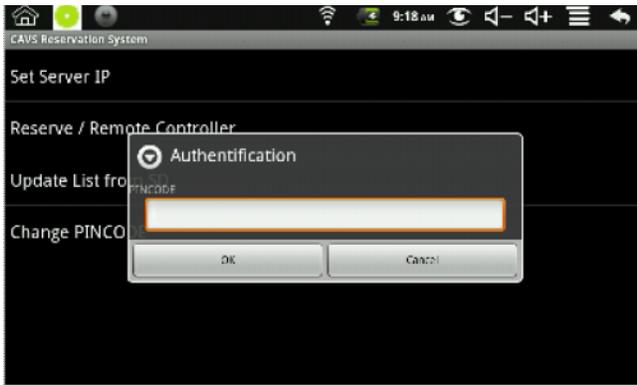
Note that when starting the CAVSRS program for the first time or without proper Wi-Fi settings, the burst icon will remain in red color.

2. Settings

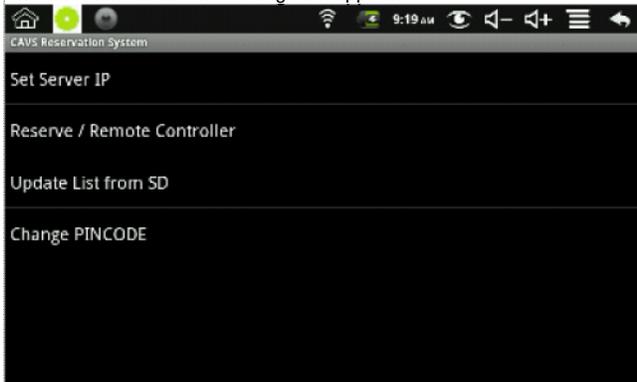
Tap on the Settings.



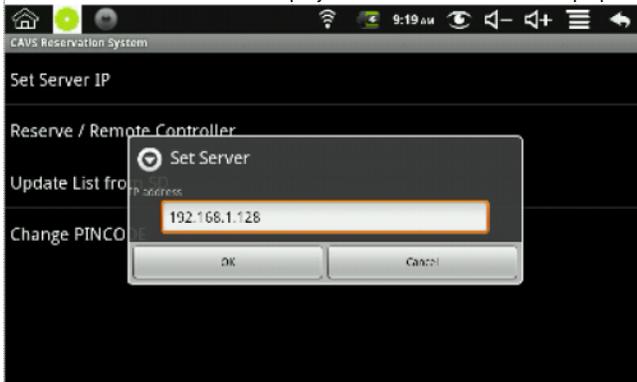
A PINCODE is required to enter. Tap on the input field to bring up the screen keyboard and type in the PINCODE. The factory default PINCODE is 0000 (four zeros).



The selections inside the Settings will appear.



*Tap on the Set Server IP which will bring up the following pop-up window. Tap on the input field to bring up the screen keyboard and type in the IP address of the CAVS Karaoke player or Windows based PC / laptop. See the section **How to set up** above to find the IP address. Press OK.

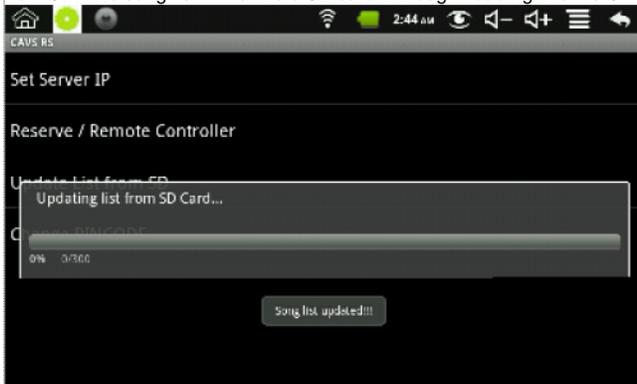


*After setting the Server IP, the color of the burst icon on the top left corner will turn blue signaling a successful Intra-net connection. The burst will then turn green after importing the song list indicating that the CAVS RS program is ready for use.

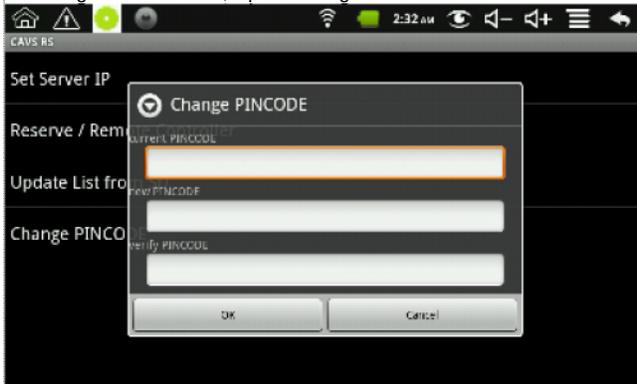
**Tap on Reserve / Remote Controller and the following pop-up window will appear. Select from the three levels of controls that can be permitted in the CAVS RS program. Press Select.



When using the CAVS RS / Android device as a stand-alone unit, you can load the song list with a micro SD card. Insert the micro SD card with a copy of the song list into the CAVS RS / Android device. A message "Preparing SD card" will appear on the top left corner. Tap on Update List from SD. The song list in the micro SD card will begin loading into the CAVS RS / Android device.



To change the PINCODE, tap on Change PINCODE. Follow the instruction on the screen.

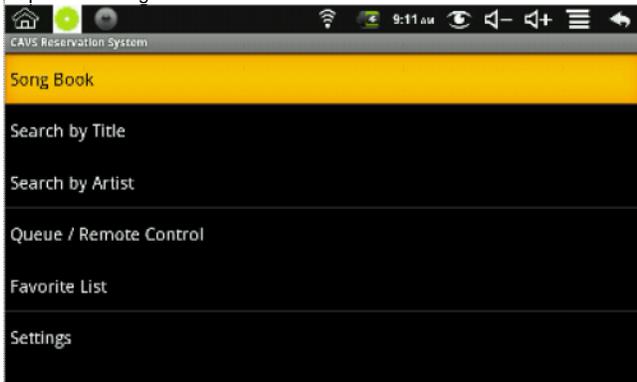


*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

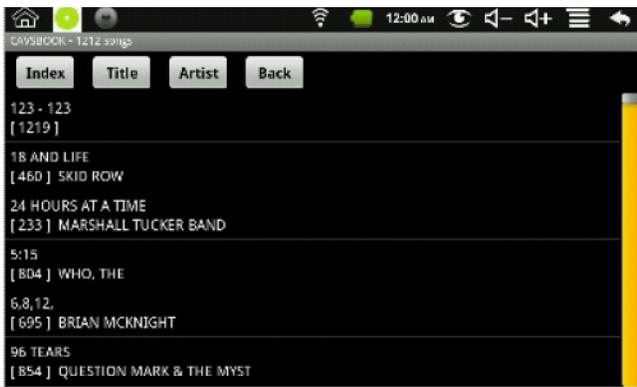
**Instruction is for the CAVS RS program working with CAVS Karaoke player only.

3. Song Book

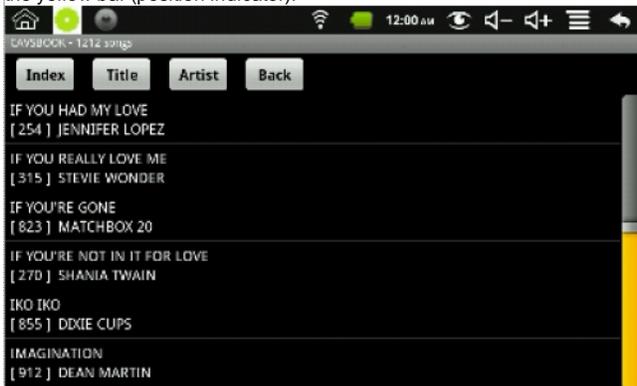
Tap on the Song Book.



Total song list, sorted in title by default, will appear. You can re-sort the list by tapping on Index, Title, or Artist buttons.



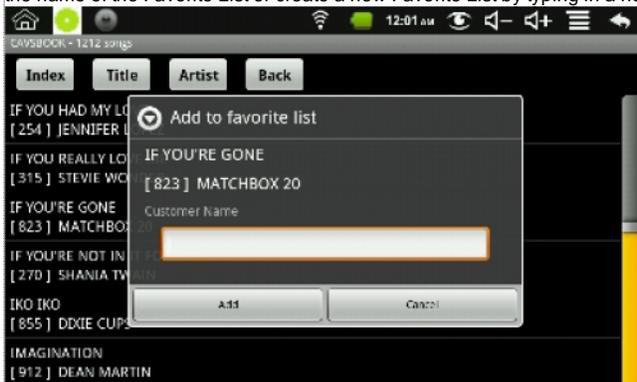
You can scroll up and down the song list with a stroke of fingertip or stylus. You can also instantly jump to any page in the song list by tapping on the yellow bar (position indicator).



*Tap on a song you wish to select. Request reservation window will appear. Press the Reserve button to reserve the song, Add Fav. button to add the song to a Favorite List, or Cancel to return. Before reserving, you have the options to preset the Pitch (Key) level, Tempo level, and the Customer Name. To input the Customer Name, tap on the input field to bring up the screen keyboard.



*Tap and hold a song you wish to select. Add to favorite list window will appear. Tap on the input field to bring up the screen keyboard. Type in the name of the Favorite List or create a new Favorite List by typing in a new name. Press the Add button to add or Cancel to return.

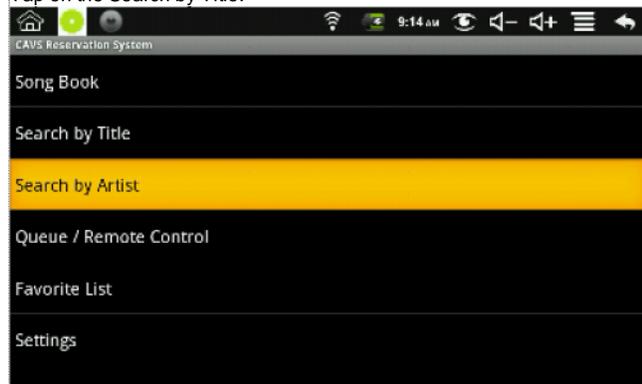


For further instructions on how to use the Favorite List, go to the Section 6. Favorite List below.

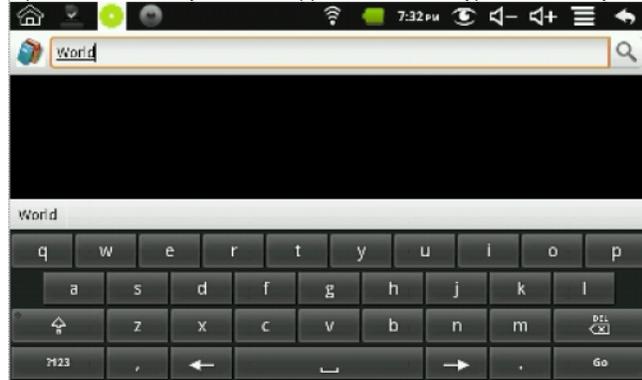
*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

4. Search by Title

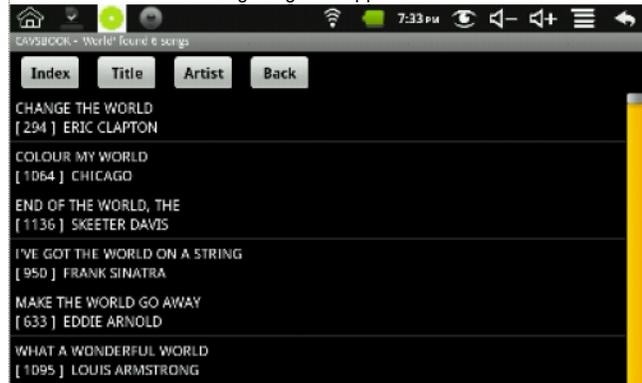
Tap on the Search by Title.



Input field and the keyboard will appear as below . Type in the word you wish to search (for example, Love). Press Go.



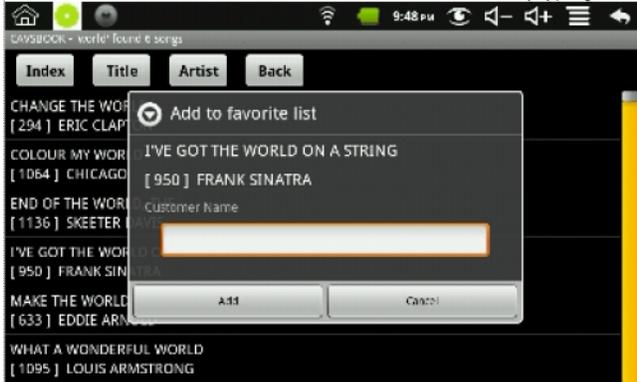
Search result with matching songs will appear. You can sort this list of matching songs by Index, Title, or Artist by pressing the respective buttons.



* Tap on a song you wish to select and the Request reservation window will appear. Press the Reserve button to reserve the song, Add Fav. to add the song to a Favorite List, or Cancel to return. Before reserving, you can preset the Pitch (Key) level, Tempo level, and the Customer Name. To input the Customer Name, tap on the input field to bring up the screen keyboard.



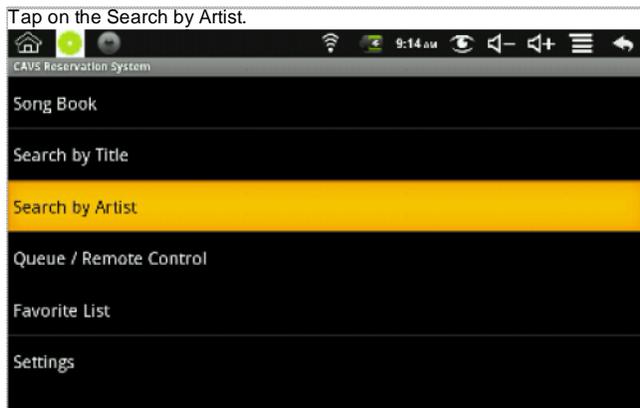
*Tap and hold a song in the search result to bring up the Add to favorite list windows. Tap on the input field to bring up the screen keyboard. Type in the name of the Favorite list or create a new Favorite List by typing in a new name. Press the Add button to add or Cancel to return.



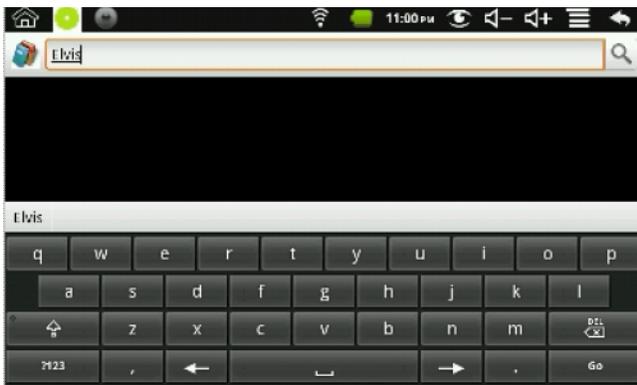
For further instructions on how to use the Favorite List, go to Section 6. Favorite List below.

*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

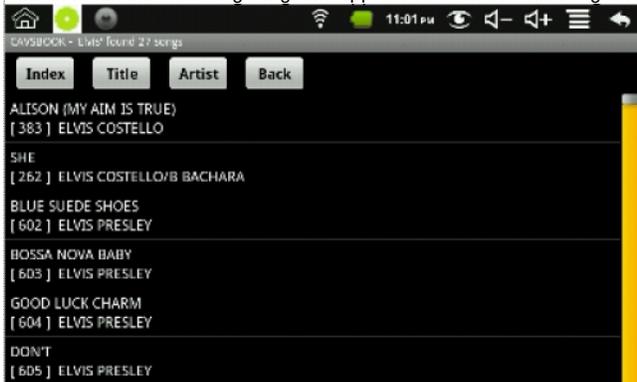
5. Search by Artist



Input field and the keyboard will appear as below . Type in the word you wish to search (for example, Elvis). Press Go.



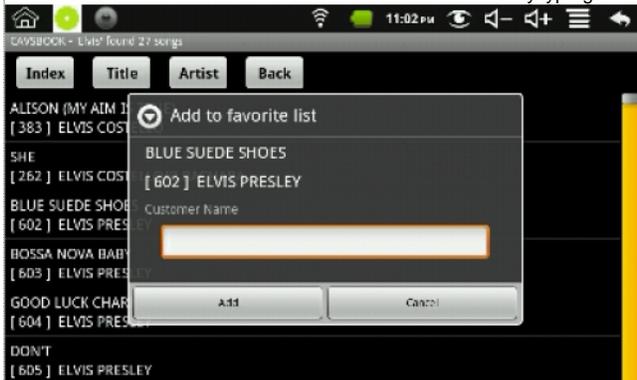
Search result with matching songs will appear. You can sort this song list by Index, Title, or Artist by pressing the respective buttons.



*Tap on a song you wish to select and the Request reservation window will appear. Press the Reserve button to reserve the song, Add Fav. to add the song to a Favorite List, or Cancel to return. Before reserving, you can preset the Pitch (Key) level, Tempo level, and the Customer Name. To input the Customer Name, tap on the input field to bring up the screen keyboard.



*Tap and hold a song in the search result to bring up the Add to favorite list windows. Tap on the input field to bring up the screen keyboard. Type in the name of the Favorite list or create a new Favorite List by typing in a new name. Press the Add button to add or Cancel to return.

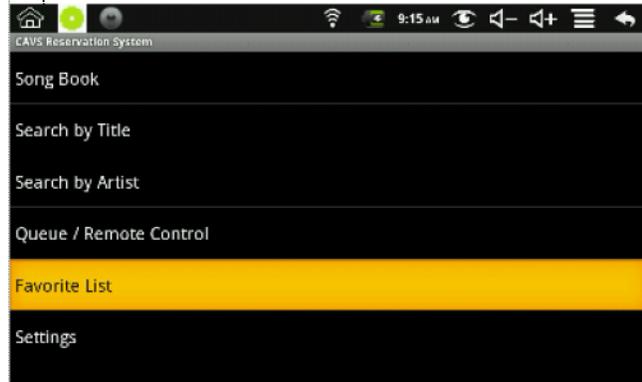


For further instructions on how to use the Favorite List, go to Section 6. Favorite List below.

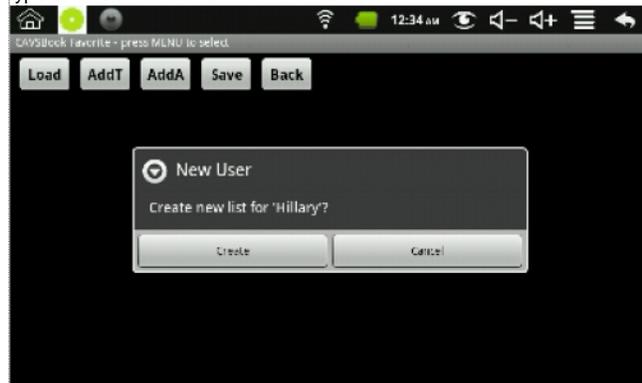
*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

6. Favorite List

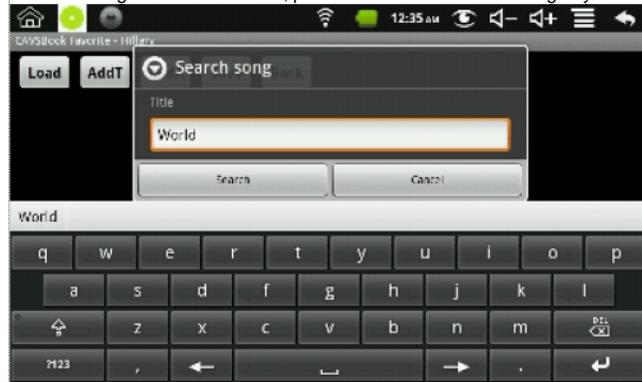
*Tap on the Favorite List.



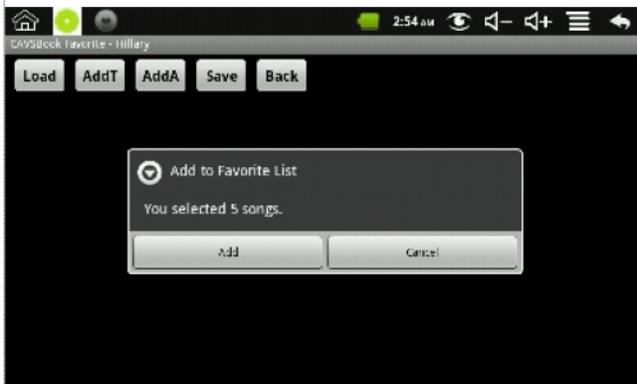
*Press Load and Customer window will appear asking for the name of the Favorite List to show. If you had opened a Favorite List previously, the same Favorite List will appear by default. To change, press the Load button and type in another name. If you wish to create a new Favorite List, type in a new name and follow the instruction.



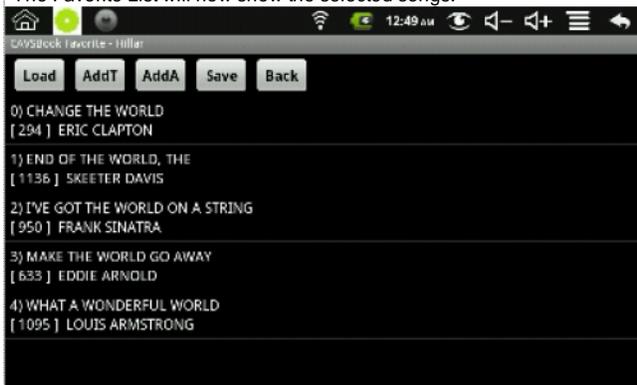
*To add songs to a Favorite List, press AddT button to find songs by title or AddA button to find by artist.



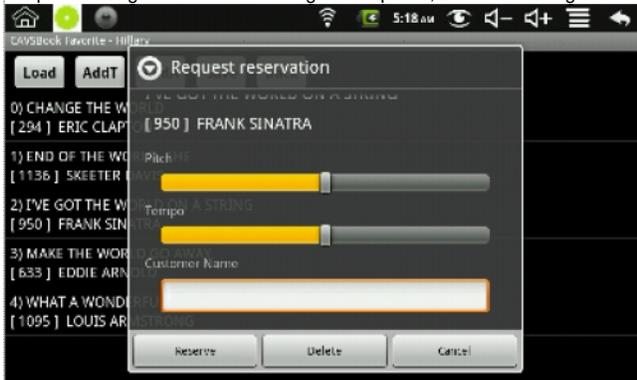
*From a search result, select the songs you wish to add by placing check marks followed by pressing Add. Next confirm to add the songs you have selected.



*The Favorite List will now show the selected songs.



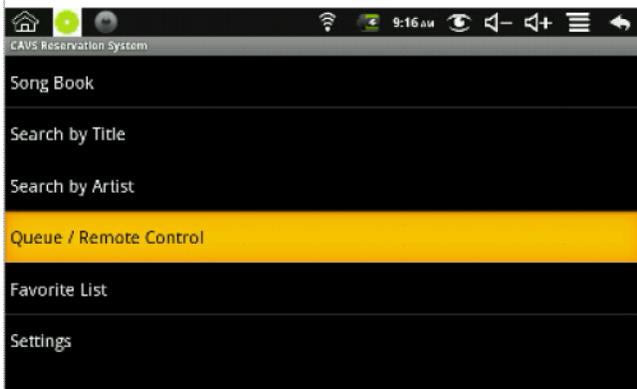
*Tap on a song to Reserve the song to the queue, Delete the song from the Favorite list, or Cancel to return to the Favorite List.



*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

7. Queue / Remote Control

**Tap on the Queue / Remote Control



Next screen will change depending on your selection for Reserve/Remote Controller in Settings, See Section 2. Settings for instruction of how to change the settings.

**For the case of Enable Reservation / Enable Remote Controller, the following window will appear. You can use the window to:

- View reserved songs in Queue
- Select a song using the numeric buttons (for example, 12345)
- Reserve (Prog)
- Play
- Stop
- Play the next song in Queue (Next)
- Cancel a song in Queue - Input the song number and press Cancel
- Key (Pitch) control
- Tempo control
- Continuous / Single mode
- Voice cancel

Note that when in Continuous mode, the songs in Queue will play automatically. If you wish to start the songs in Queue manually, set the player to the Single mode.



*For the case of Enable Reservation / Disable Remote Controller, the following window will appear. You can use the window to:

- View reserved songs in Queue

You can reserve the songs into Queue from Song Book, Search by Title, Search by Artist, or Favorite Lists.



*For the case of Disable Reservation / Disable Remote Controller, the following window will appear. You can use the window to:

- View reserved songs in Queue

You can only search for a song in Song Book, Search by Title, or Search by Artist.



*Instruction is for the CAVS RS program working with CAVS Karaoke player or Windows based PC / laptop.

**Instruction is for the CAVS RS program working with CAVS Karaoke player only.

How to Operate CAVS Reservation System Server program

[CAVS Reservation System Server program](#) runs within host units, such as CAVS Karaoke players or Windows based laptop / PC, to communicate with CAVS RS / Android devices. Please go to [CAVS Reservation System Server program](#) for the description and instruction on how to operate the program.

Android Device Requirement

- CPU 800 mhz or higher
- Android 2.2 or higher
- 512MB RAM or higher
- WI-FI 802.11 b/g or higher

[Home](#)