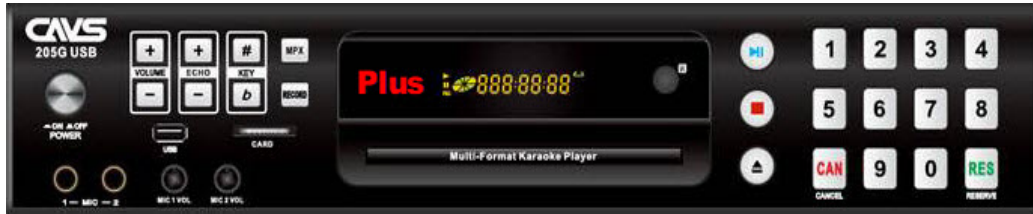


# CAVS 205G Plus Karaoke Player



## 0. Introduction

### CAVS 205G Plus Karaoke Player

**New!**

**Built-in Network Server** - Easily select, reserve, and play songs using your phones and tablets. Connect to CAVS 205G Plus using a simple QR code.

**Simple to Play** - Tap on a song and press Play. With the convenience of using phones and tablets, you can bid farewell to printing hundreds of pages of paper songbooks. Additionally, you have the option to play the songs using the front panel buttons or the remote control.

**Simple to Setup** - Connect a single HDMI cable for all video, audio, and microphone outputs. The player's internal digital mixer combines all outputs into one. Additionally, the player features RCA connectors for traditional Audio Video outputs.

**Simple to Manage** - Load up to 64,000 songs on a single USB flash drive or SD card, or up to 500,000 songs on a 2 TB hard drive. Use the [MCG Manager](#) freeware to add songs effortlessly, and play each song instantly without delays.

## 1. Features

- Play CD+G, Super CD+G, CD, VCD, and DVD discs
- Play MP3+G, Super CD+G, AVI, and MP4 digital files
- Play from compact discs, USB flash drive, and SD Cards
- Connect to phones and tablets to
  - Select, reserve, and play songs
  - Control Pitch/Key
  - Control Volume and Echo
- HDMI connection for all combined video, audio, and microphone outputs
- RCA connections for traditional AV Stereo outputs
- Extract Super CD+G and CD+G discs
- Record Super CD+G and CD+G karaoke singing with lyric video
- Volume control, Pitch control, Echo control
- Reservation, Score, Bill Acceptor, Coaxial digital output

## 2. Accessories

1. Network router



2. QR codes



3. Remote controller



4. Super CD+G disc with 200 Golden songs



5. Microphone



6. Rackmount ears



7. RCA AV cable



8. HDMI cable

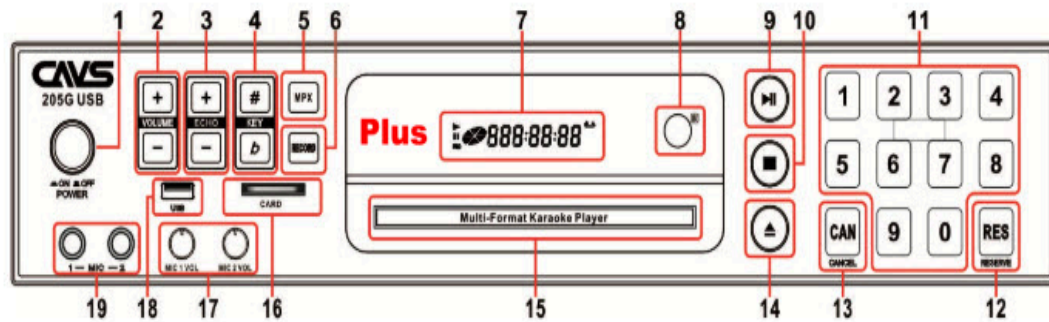


### 3. Description

This section describes the assigned functions for each button and indicator on the CAVS 205G Plus, Remote controller, Network router, and QR codes. It is meant to serve you as reference section for your reading of "4. How to operate".

1. CAVS 205G Plus karaoke player

## Front Panel



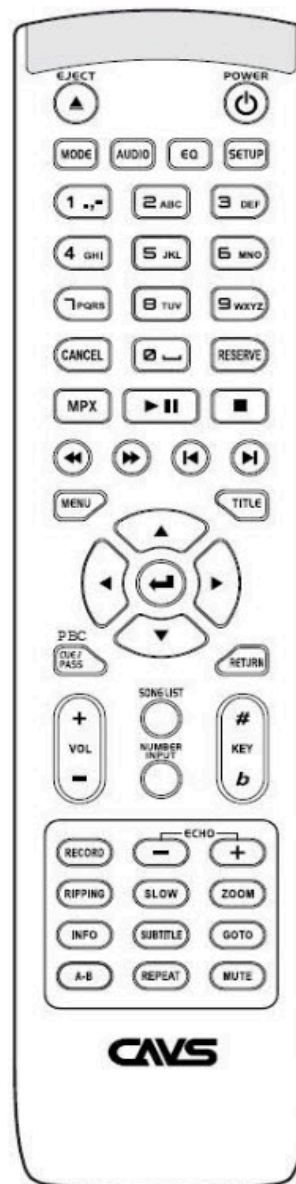
1. POWER SWITCH: Turn On/Off the Power
2. VOLUME +/-: Adjust the Audio Volume
3. ECHO +/-: Adjust Echo Level
4. KEY b/#: Adjust Key Level
5. MPX (MULTIPLEX): Vocal On/Off for multiplex track.
6. RECORD: Record singing
7. LED DISPLAY
8. IR SENSOR
9. PLAY/PAUSE: Play or Pause a track
10. STOP: Stop playback
11. NUMBER (0-9): Input song or track number
12. RESERVE: Program song or track number
13. CANCEL: Delete wrong letter or number input
14. OPEN/ CLOSE: Open/Close the Disc Tray
15. DISC TRAY
16. CARD INPUT
17. MICROPHONE 1 & 2 VOLUME: Adjust the volume of Microphone 1 & 2
18. USB INPUT
19. MICROPHONE 1 & 2 INPUT

## Rear Panel



1. COMPOSITE (CVBS) VIDEO OUT
2. AUDIO LEFT OUT
3. AUDIO RIGHT OUT
4. COAXIAL OUT
5. COIN: For use with a Coin machine, connect a cable from Coin machine to this port.
6. SCORE: When microphones are connected to an external amplifier, connect a cable between MIC OUTPUT port on the amplifier and SCORE port of the player to generate Score after singing.
7. HDMI VIDEO AUDIO OUT
8. IR EXTENSION: To extend the IR reception performance, connect an extra IR Sensor to this port.
9. DC 5V ADAPTER INPUT

BUTTONS	FUNCTION
□ POWER	Turn On/Off the Power
□ EJECT	Open/Close the Disc Tray
MODE	Switch between DISC, USB or CARD mode
AUDIO	Select different audio layer of Disc or AVI files
EQ	Change EQ settings for Audio
SETUP	Enter/Exit Setup Mode
NUMBER(0-9)	-Input Song or Track Numbers at Number Input mode -Input Letter of Title or Singer Name on the SONG LIST
CANCEL	Cancel the wrong number or letter input
RESERVE	Reserve Song or Track in the Program List
MPX	Vocal On/Off for multiplex files
▶	Play a file or track, Pause the playback
■	Stop playback
□	Fast reverse at 2X, 4X, 8X, 20X, Normal Speed.
□	Fast forward at 2X, 4X, 8X, 20X, Normal Speed.
□	Skip to the Previous Song or Track
□	Skip to the Next Song or Track
MENU	-Create the song list of SCDG or MP3G files to USB or CARD as SONGLIST.TXT file -Move to the disc menu mode
TITLE	Enter the TITLE mode of Disc
PBC CUE/PASS	-Playback Control for Video CD -Jump to the beginning of the Video
RETURN	Return to the previous step on the file list
◀▶▲▼	Navigate between files or folders
↶	Play a file or track
VOL -/+	Music Volume -/+ Control
KEY b/#	Key b/ # Control
SONG LIST	Open/Close the Song Search Menu
NUMBER INPUT	Song Number Input mode to input number.
RECORD	Record your singing with SCD+G, MP3+G or CD+G into USB or CARD. The recorded file is saved in MP3+G format.
ECHO -/+	Echo -/+ Control
RIPPING	Rip any CD+G or MP3+G Disc to USB or CARD. The ripped file is stored at MP3+G format
SLOW	Play in slow forward/ reverse motion
ZOOM	Enlarge a particular area of the displayed image at 2X, 3X, 4X, 1/2, 1/3, 1/4, OFF
INFO	Display the playback time and disc information
SUBTITLE	Select different subtitle language
GOTO	Jump to a chosen time position of Disc or file.
A-B	Repeat from A position to B position
REPEAT	Repeat a chapter, track, title or entire Disc
MUTE	Disable and Enable the sound output



### Remote Control Operation Range

Point the remote controller at the remote sensor and press the buttons.  
The remote control can be used up to approximately 23feet/7meters in a straight line.  
It can also be operated at a horizontal angle of up to 25° from the remote control sensor.

### Battery of Remote Controller

Insert Two AAA size batteries with + and – aligned correctly.






### Extension of IR Input

To extend the Remote Signal Reception Performance, connect an External IR Sensor to the **IR INPUT** Jack of the Player.



The router’s LEDs (view from left to right) are located on the front. You can check the router’s working status by following the LED Explanation table.

LED Explanation:

LED	Status	Indication
 (Power)	On	Power is on.
	Blinking	Blinking slowly: The system is starting up or firmware upgrade is in progress. Blinking quickly: WPS connection is in progress.
	Off	Power is off.
 (2.4GHz Wireless)	On	The 2.4GHz wireless band is enabled.
	Off	The 2.4GHz wireless band is disabled.
 (5GHz Wireless)	On	The 5GHz wireless band is enabled.
	Off	The 5GHz wireless band is disabled.
 (LAN)	On	At least one powered-on device is connected to the router’s LAN port.
	Off	No powered-on device is connected to the router’s LAN port.
 (Internet)	Green On	Router Mode: Internet is available. Access Point Mode: The WAN port is connected. Range Extender Mode: The router is connected to the host network.
	Orange On	The WAN port is connected, but internet is not available.
	Off	Router Mode: The WAN port is not connected. Access Point Mode: The WAN port is not connected. Range Extender Mode: The router is not connected to the host network.



The following parts (view from left to right) are located on the back panel.

### Button and Port Explanation

Item	Description
Power Port	For connecting the router to a power socket via the provided power adapter.
WAN Port	For connecting to a DSL/Cable modem, or an Ethernet jack.
LAN Ports (1/2/3/4)	For connecting your PC or other wired devices to the router.
WPS/RESET Button	Press the button for 1 second, and immediately press the WPS button on your client to start the WPS process.
	Press and hold the button until all LEDs turn off to reset the router to its factory default settings.
Antennas	Used for wireless operation and data transmit. Upright them for the best Wi-Fi performance.

**WARNING:** The router when shipped is preset to work in conjunction with the CAVS 205G Plus and QR codes. Do not press the RESET button without contacting [techsupport@cavsusa.com](mailto:techsupport@cavsusa.com) as it will undo the preset configuration.

#### 4. QR codes

There are two QR codes that need to be scanned sequentially.

- First QR code is for the network router. Scan it using your phone or tablet and it will set the Wi-Fi setting of the phone or tablet to the network router.
- Second QR code is for the CAVS 205G Plus player. Scan it using your phone or tablet and it will connect the phone or tablet to CAVS 205G Plus player.

Connect to Network router (SSID:CAVS Network, PWD:205G Plus)



Connect to CAVS 205G Plus player (192.168.0.100:3500)

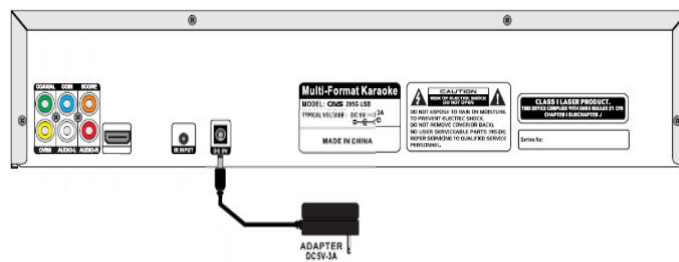


## 4. How to operate using phones and tablets

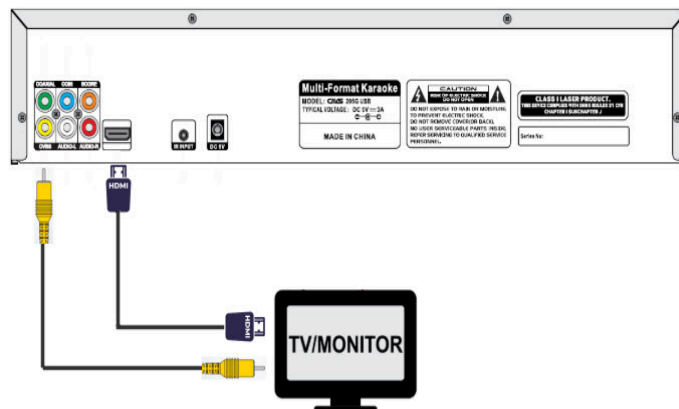
### 4.1 Setup

To setup the CAVS 205G Plus karaoke player,

- Connect 9.DV 5V INPUT on the back panel to a wall outlet using an enclosed AC adapter.

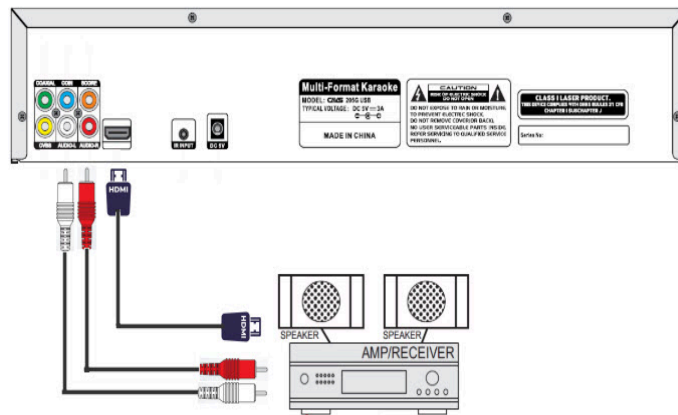


- Connect 7.HDMI OUT or 1.COMPOSITE VIDEO OUT on the back panel to a TV.



- Connect 7.HDMI OUT on the back panel to a digital amplifier  
or  
Connect 2.AUDIO LEFT OUT and 3.AUDIO RIGHT OUT on the back panel to a stereo sound system.





- Turn on the CAVS 205G Plus player by pressing the 1. POWER SWITCH.

To setup the network router,

- Connect the Power Port on the on the back panel to a wall outlet using an enclosed AC adapter.



- The network router will automatically power on with 3 indicator lights (Power, 2.4G Wireless, 5G Wireless) turning on solid green.

## 4.2 Loading songs

The CAVS 205G Plus karaoke player offers versatile playback options, supporting songs from compact discs, USB flash drives, and SD cards.

To load songs onto these media, the MCG Manager, developed under US and international patents, provides efficient processing. Here's what you can expect:

- Up to 175 songs per 700 MB compact disc
- Up to 1,750 songs per double 7GB sided DVD disc
- Up to 32,000 songs per 128G USB flash drive
- Up to 32,000 songs per 128G SD card
- Up to 500,000 songs per 2TB USB hard drive.

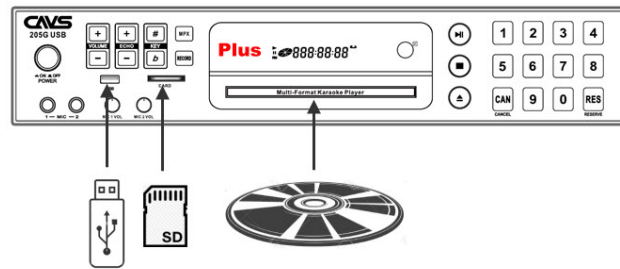
The process adheres to the data limitations of the FAT32 file format. Instructions on how to load songs using the MCG Manager program can be found in the following resources:

- [User Manual for MCG Manger](#)
- [How to use MCG Manager program to load songs](#)
- [How to format an external device to FAT32](#)
- [How to keep the old song numbers when making an external device with the MCG Manager program](#)
- [How to add more songs to an external device](#)
- [How to encode a Super CD+G disc](#)

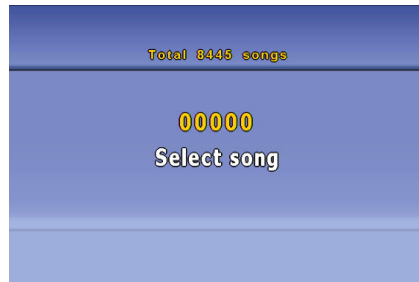
These resources provide comprehensive guidance on utilizing the MCG Manager program for song loading and management.

After loading the songs, insert the disc, the USB flash drive, or the SD card into the CAVS 205G Plus player.





The following screen will appear on the TV showing that the songs are ready to play.



### 4.3 Connecting phones and tablets

The CAVS 205G Plus player features a built-in web server, allowing connection from any phone or tablet with a web browser, including:

- Iphone, iPad, Mac PCs
- Android phones, Android tablets, Chrome PCs, Android PCs
- Windows tablets, Windows PCs
- Amazon tablets, Amazon Fire

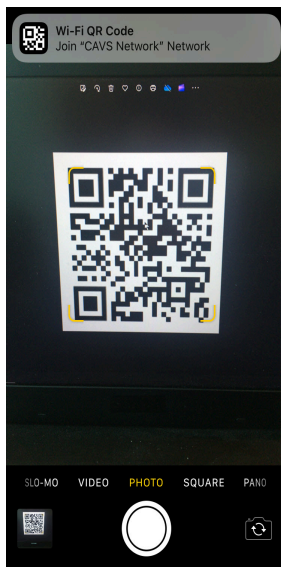
It's noteworthy that connecting to the CAVS 205G Plus requires no special app to be downloaded or installed onto the user's device. This eliminates the need for users to search for and install specific apps, which can be challenging given the vast variety and versions of phones and tablets available. Developers also face significant difficulties in covering all these variations, making it impractical if not impossible. By leveraging a built-in web server, the CAVS 205G Plus ensures seamless connectivity across a wide range of devices without the hassle of app downloads or compatibility issues.

The steps to connect a phone or tablet are demonstrated below using screenshots from

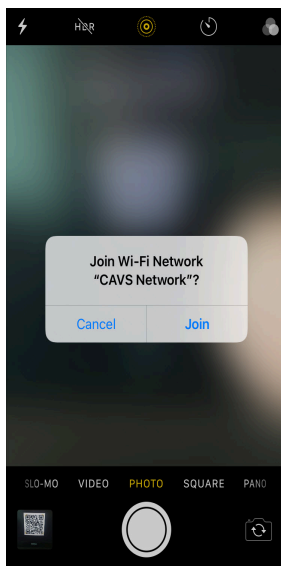
- iPhone 6s with iOS 15.8.2
- Samsung Galaxy A14 5G with Android 14

#### 4.3.1 iPhone 6s with iOS 15.8.2

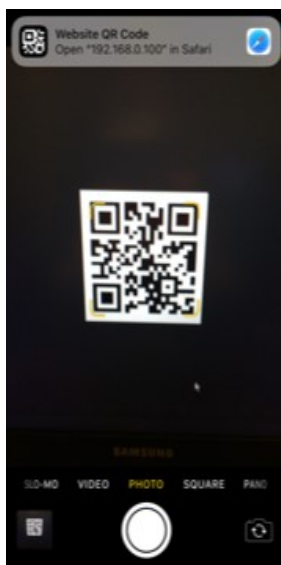
Open a camera app, and scan the QR code for the network router. A popup message will appear with "CAVS Network" reading. Tap on the popup message.



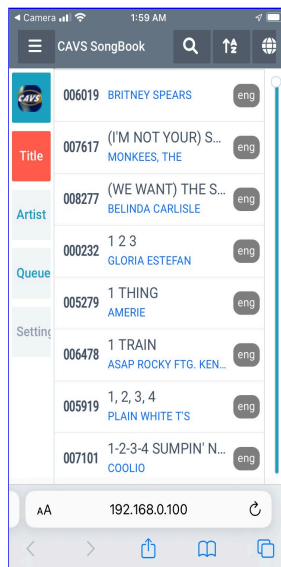
Confirm to switch the Wi-Fi setting. Note that CAVS Network will not have Internet connection as it operates within its local network.



Next scan the QR code for the URL address of the CAVS 205 Plus player. A popup message will appear with "192.168.0.100:3500" reading. Tap on the popup message.

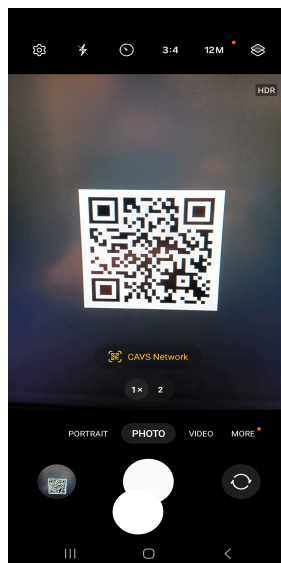


A web browser will open showing the Songbook of the CAVS 205G Plus player with the URL address "192.168.0.100".

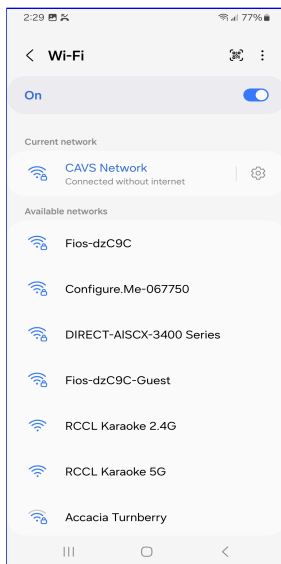


#### 4.3.2 Samsung Galaxy A14 5G with Android 14

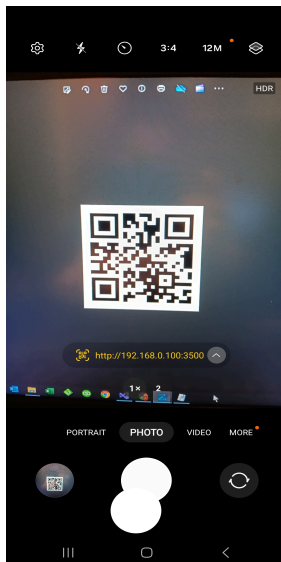
Open a camera app, and scan the QR code for the network router. A popup message will appear with "CAVS Network" reading. Tap on the popup message.



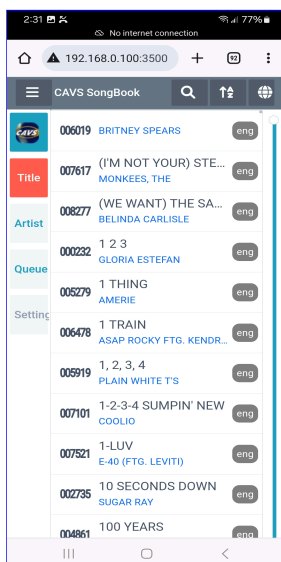
The Wi-Fi setting will change to "CAVS Network". Note that CAVS Network will not have Internet connection as it operates within its local network.



Next scan the QR code for the URL address of the CAVS 205 Plus player. A popup message will appear with "192.168.0.100:3500" reading. Tap on the popup message.



A web browser will open showing the Songbook of the CAVS 205G Plus player with the URL address "192.168.0.100".



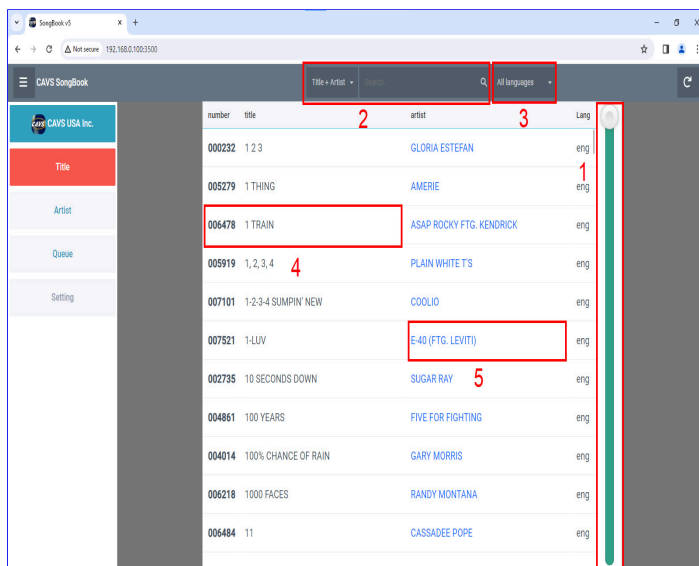
## 4.4 How to operate CAVS Songbook

When connecting a phone or tablet to the CAVS 205G Plus player, users are directed to the CAVS Songbook interface which is a comprehensive and user-friendly platform for managing and enjoying songs in the CAVS 205G Plus player. Let's break down some of its key features:

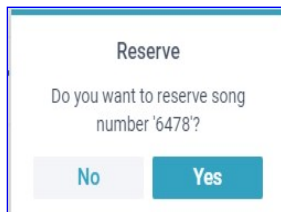
- **Browsing, Searching, Selecting, Reserving, and Playback:** Users can seamlessly navigate through their music library, search for specific songs or artists, select songs to play, reserve songs for later, and initiate playback directly from their connected phone or tablet.
- **Volume Control:** Adjusting the volume levels allows users to customize their listening experience according to their preferences and surroundings.
- **Pitch/Key Control:** This feature enables users to alter the pitch or key of the music, providing flexibility for singers or musicians to match their vocal range or instrument preferences.
- **Echo Control:** Users can add or adjust echo effects to enhance the audio output, creating a more immersive and dynamic listening experience.
- **Voice Cancel:** This feature allows users to suppress or eliminate vocals from the music track, which can be useful for karaoke enthusiasts who want to sing along to instrumental versions of songs.
- **Continuous/Single Playback:** Users can choose between continuous playback, where songs are played in succession without interruption, or single playback, where each song is played individually.
- **Queue Shuffle:** Shuffle mode randomizes the playback order of songs in the queue, providing variety and spontaneity to the listening experience.
- **Online Upgrade:** The ability to upgrade the software or firmware of the CAVS 205G Plus player directly from the Songbook interface ensures that users have access to the latest features and improvements without the need for manual updates.

Overall, the CAVS Songbook interface offers a comprehensive suite of features that cater to the diverse needs of users, from casual listeners to karaoke enthusiasts, making it a convenient and versatile tool for enjoying music on the CAVS 205G Plus player.

### 4.4.1 How to browse, search, and reserve songs

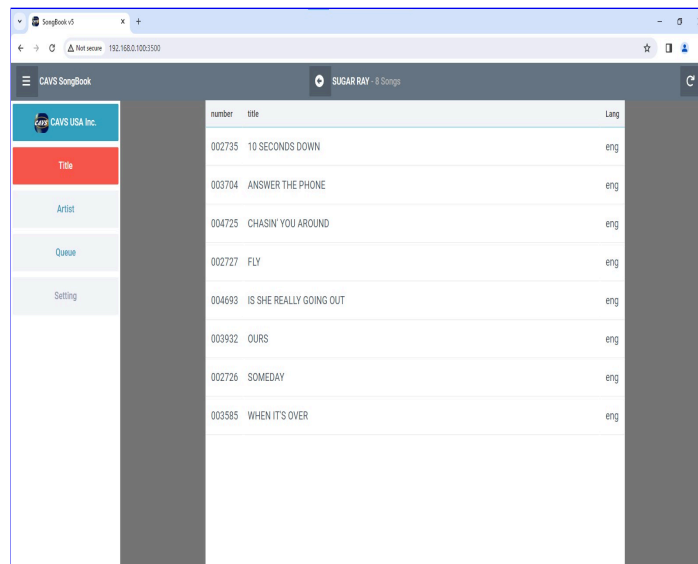


1. **Browse:** Scroll to move up and down in the song list. Jmp to any part of the song list by dragging the scroll bar.
2. **Search:** Select the field to search in. Type in the word(s) to search for. Press the Search icon to start the search. When done, clear the search by pressing the X mark.
3. **Language:** Filter the song list by language or genre
4. **Reserve:** Tap on the number or title of a song. A popup window will appear



Press Yes to reserve or No to cancel. The popup screen will disappear and you can continue to select more songs.

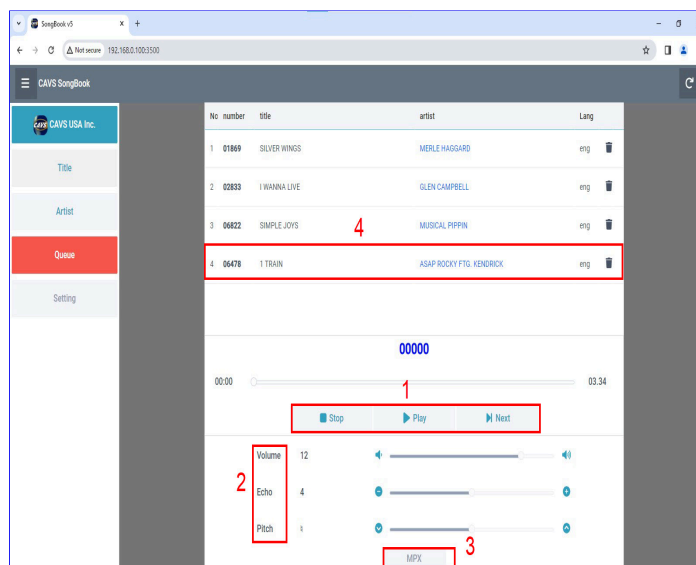
5. **Artist:** Tap on an artist and you will see all the songs of the artist in the song list.



Tap on any song to reserve.

#### 4.4.2 How to play and shuffle the reserved songs

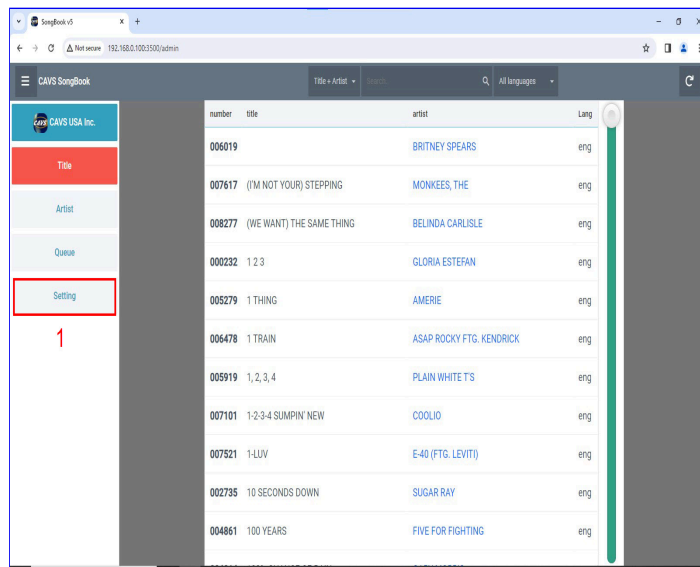
Tap on the Queue button on the right side of the CAVS Songbook. Following screen will appear.



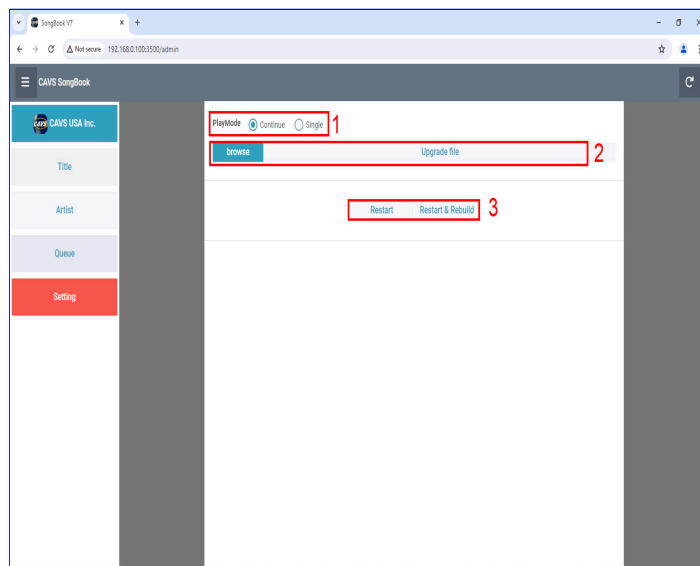
1. **Play, Stop, Pause:** Play, stop, or pause the songs. The order of the songs will always be from the top, to the bottom.
2. **Volume, Pitch, Echo:** Press the right or left ends of the slides to increase or decrease the levels. Note that the slide bars themselves are only to show, not to change, the current levels relative to the max and min.
3. **MPX:** Toggle to select between Stereo, Left, and Right channel playing. Select Left to voice cancel when playing multiplex song files.
4. **Shuffle:** Press and hold the song for 2 seconds. Then slide the song up and down the reserve song list to change the order.

#### 4.4.3 How to change the Play mode and upgrade Songbook firmware

To access the advanced features, navigate to the URL address "192.168.0.100\admin" in your phone or tablet. Following screen will appear.



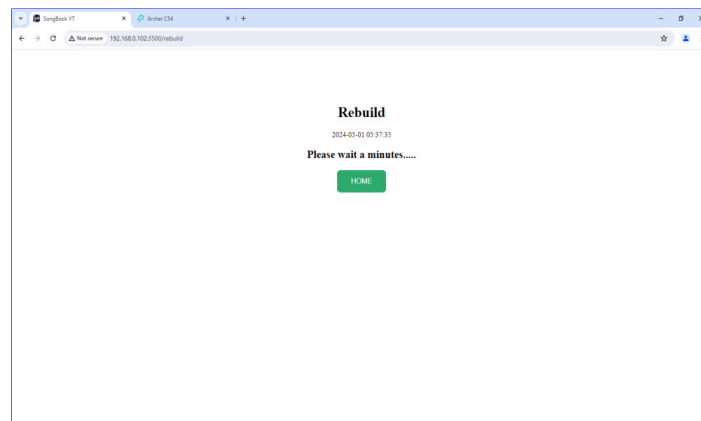
A slight difference from the CAVS Songbook screen is that the Setting button is no longer grayed out. Tap on the Setting button.



1. **Playmode:** Select between Continue and Single modes to play the reserved songs continuously or one at a time.

2. **Browse and Upgrade:**

- o Press the Browse button to select a local firmware upgrade file.
- o Press the Upgrade button to begin the upgrade.
- o When done, press OK to confirm the successful upgrade.
- o The following screen will appear indicating the restart of the upgraded Songbook program.

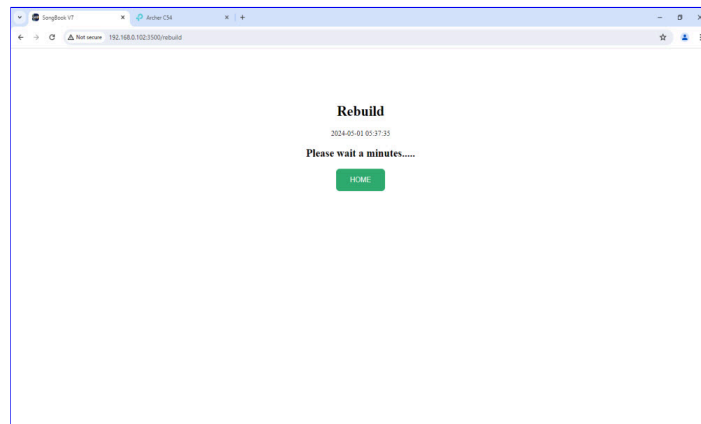


Wait for the screen to return to the Songbook.

3. **Restart and Restart & Rebuild:**

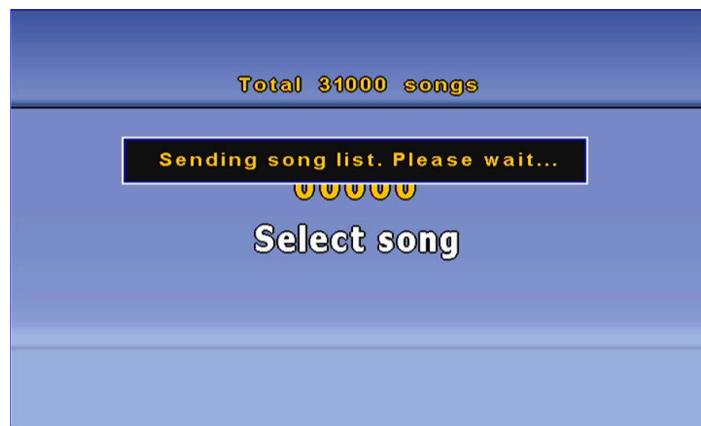


- Press the Restart button to restart the CAVS Songbook program. Press the Restart & Rebuild button to restart the program and also rebuild the song list. In both cases, the following screen will appear indicating the restart or restart & rebuild of the Songbook program.



Wait for the screen to automatically return to the Songbook.

- During the restart & rebuild process, the TV screen of the 205G Plus player will show the following message.

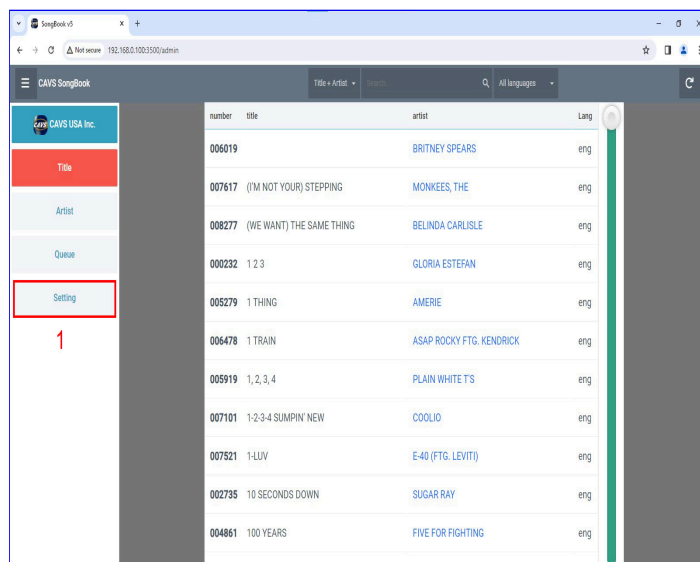


The message will appear for a durations which will depend on the length of the song list. After the message closes, the Songbook program in your phone or tablet will automatically return with the new changes. The return time will again depend on the length of the song list. If the Songbook does not return, press the green HOME button to manually go back.

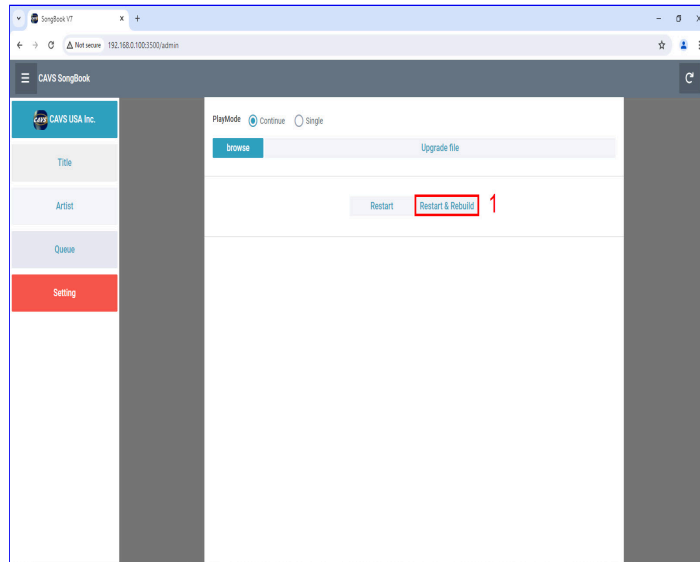
#### 4.4.4 How to change the songs

To change the songs, i.e. change the source media, such as compact disc, USB flash drive, USB hard drive, or SD card that contains the songs, take the currently inserted media out first. Then insert the new media into the 205G Plus player.

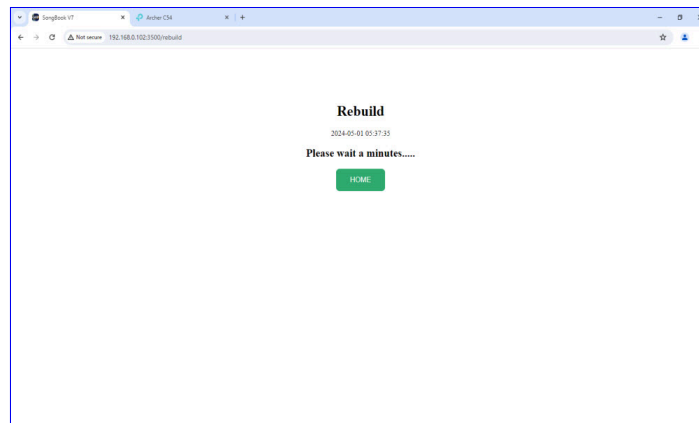
Next go to your phone or tablet and navigate to the URL address "192.168.0.100\admin".



Tap on the Setting button.

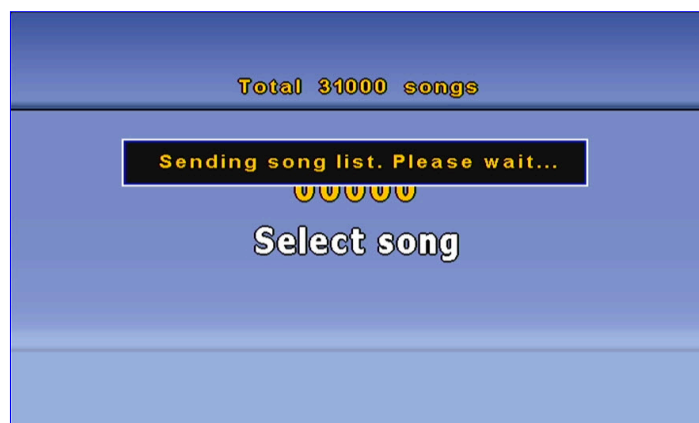


- Press the Restart & Rebuild button to restart the program and also rebuild the song list. The following screen will appear indicating the restart & rebuild of the Songbook program.



Wait for the screen to automatically return to the Songbook.

- During the restart & rebuild process, the TV screen of the 205G Plus player will show the following message twice.



The message will appear for durations which will depend on the length of the song list. After the second time, the Songbook program in your phone or tablet will automatically return with the new changes.

#### 4.5 How to configure the CAVS Network Router

CAVS network router is pre-configured to work with the CAVS 205G Plus player in the easiest way possible for the users. However due to a malfunction or an accident, the router may be reset, returning the pre-configured setting to its factory default mode. When this happens, the router will no longer communicate with the 205G Plus player and the assigned QR codes would also stop working.

This section describes how to re-configure the network router from the factory default mode so that it would work with the 205G Plus player again and the QR codes will also work as before. The instruction will very much depend on the network router model, and here we cover each model.

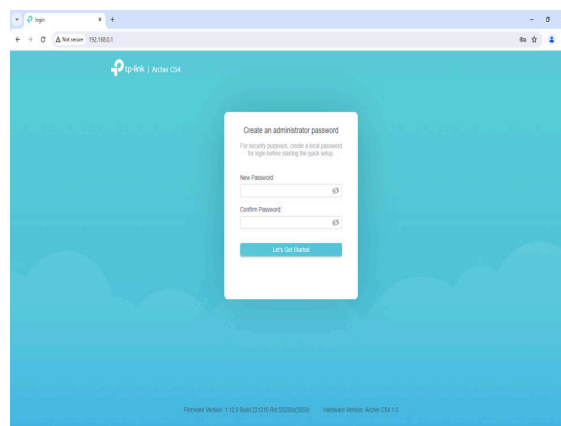
### 4.5.1 TP-Link Archer C54



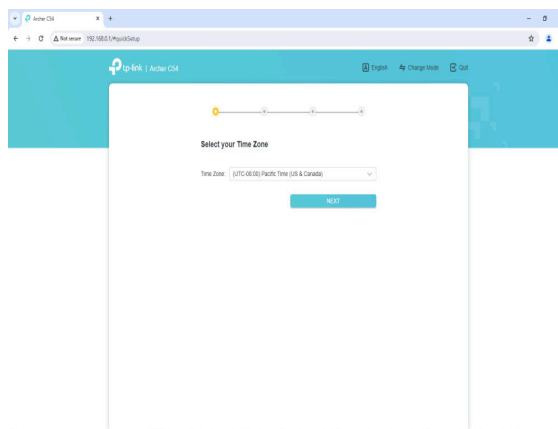
1. **Connect:** Power on the router and connect by Wi-Fi or LAN from your PC. When using Wi-Fi, the router name (SSID) and password (WPA) in the default mode are written on the bottom of the router.



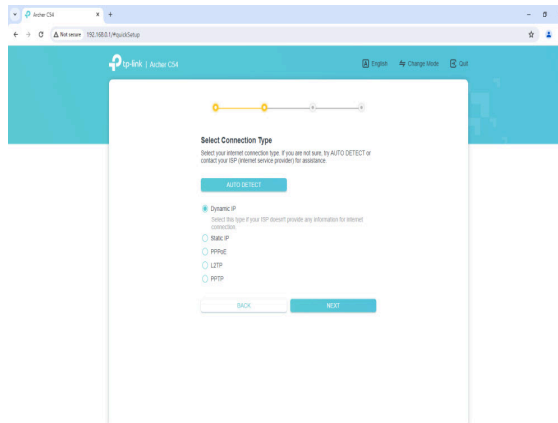
2. **Administration access:** Using a browser, navigate to "192.168.0.1" for administration access of the router. You will be asked to create a new administration password. We recommend "admin1". Re-type the password and confirm.



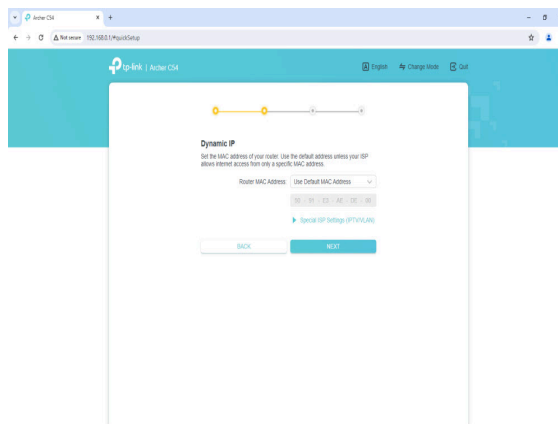
3. **Configuration:**
  - In the next screen, you will be asked for your time zone. Select one and click Next.



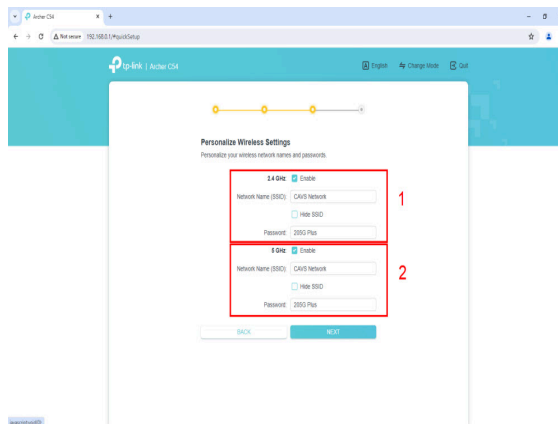
- Next select "Dynamic IP" and click Next.



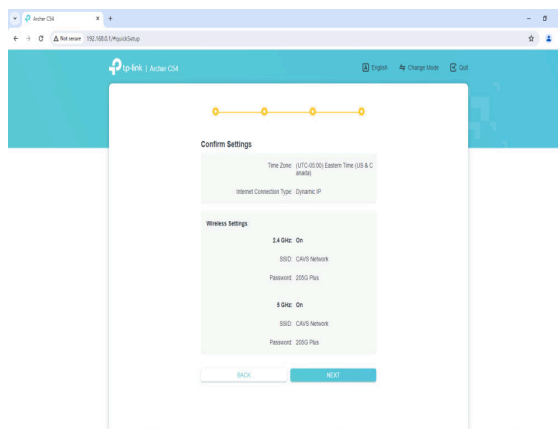
- Next select "Use Default MAC Address" and click Next.



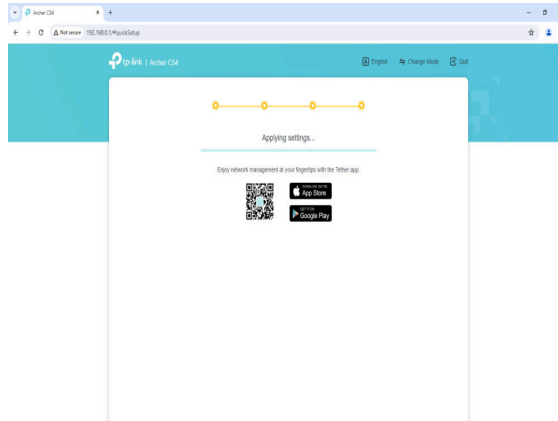
- Next type in "CAVS Network" for the SSID and "205G Plus" for the WPA in both 2.4G and 5G Wireless settings.



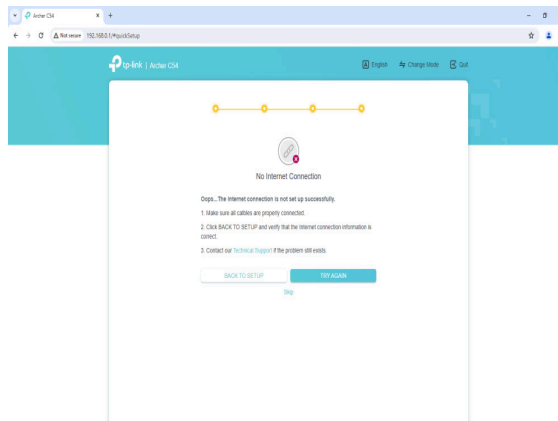
- Click Next to confirm the settings so far.



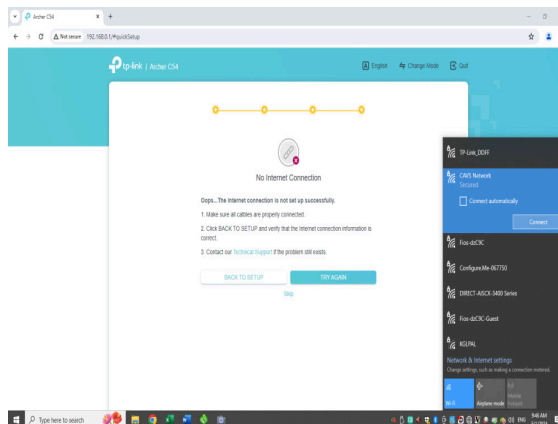
- o The router will reboot with the changes.



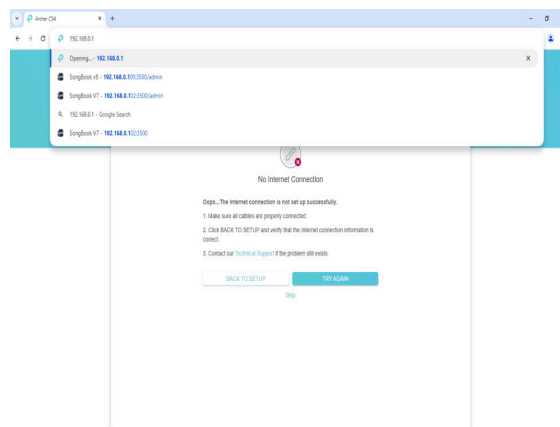
- o In the next screen, the router will show an Internet connection error. Do not try to connect again. Instead click on the Internet Setting in the Windows taskbar.



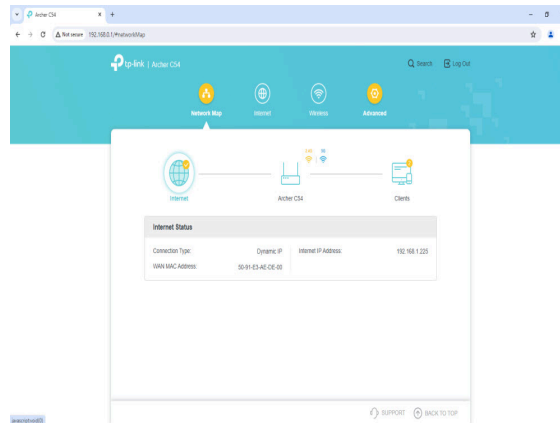
- o From the available networks, select "CAVS Network" and click Connect.



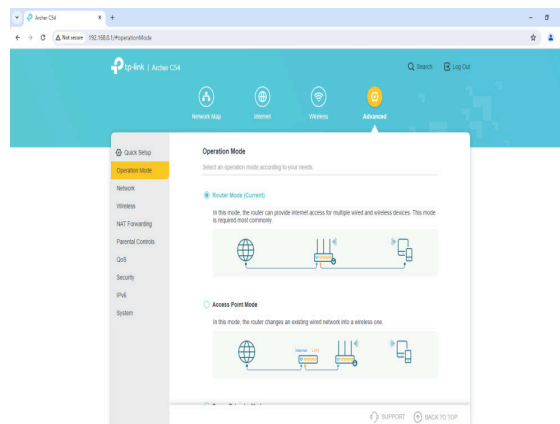
- o Next type "192.168.0.1" in the URL field for the administration access.



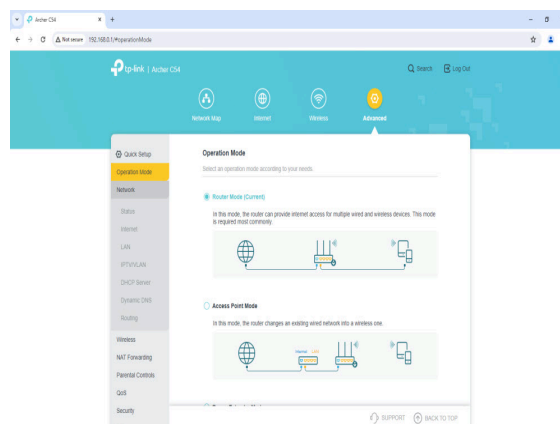
- o The administration page will open. Select "Advanced".



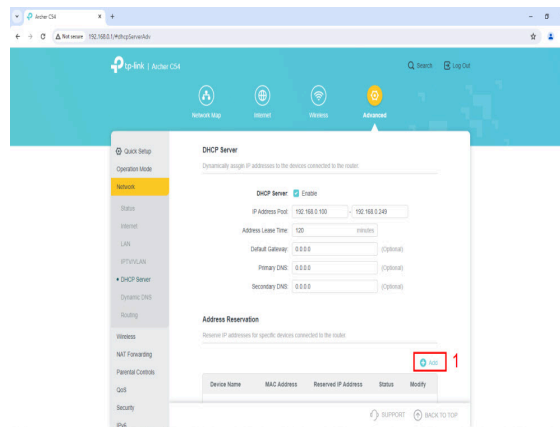
- o In the "Advanced" page, select "Network".



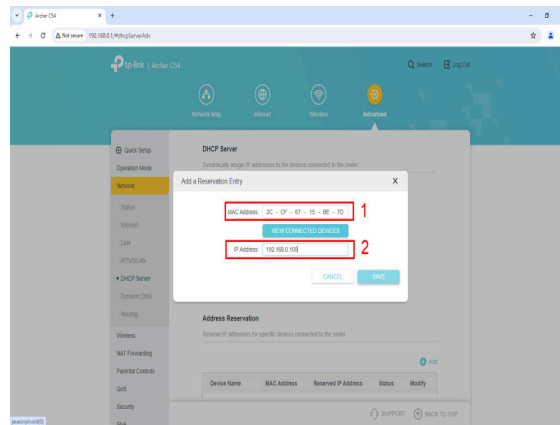
- o Select "DHCP".



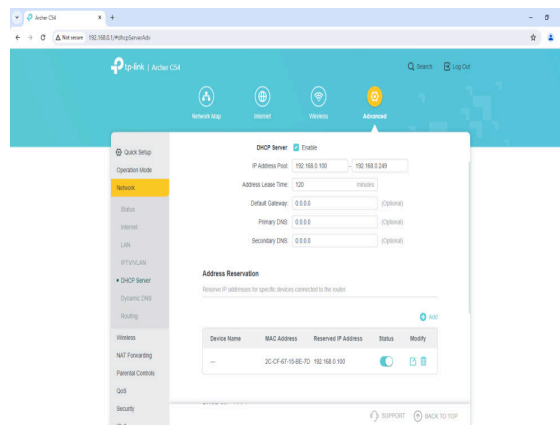
- o In the "DHCP" page, click on "ADD".



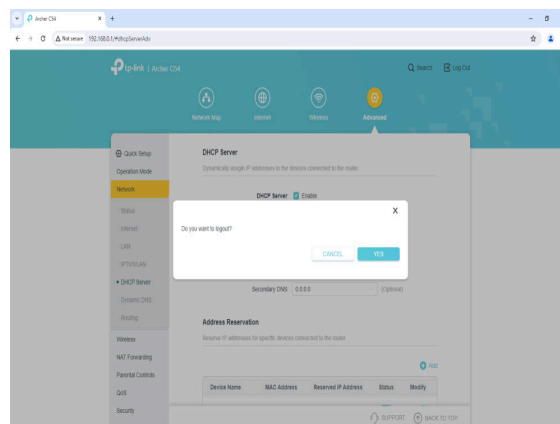
- Next put in the MAC address of the 205G Plus player which you need to contact [service@cavsusa.com](mailto:service@cavsusa.com) for the information. Put in the IP address as "192.168.0.100". Click Save.



- The following page will display the change made. Confirm the MAC address and the IP address you added in the Address Reservation. Click Logout.



- Confirm to logout".





4. **End:**The router is configured and ready to work with the 205G Plus player together with your phones and tablets.

## **5. How to operate using the Front Panel and the Remote Control**

The CAVS 205G Plus karaoke player is an upgrade from the regular CAVS 205G USB karaoke player with the addition of a built-in network server. This upgrade enables the phones and tablets to operate the players in selecting and playing songs.







Operating the CAVS 205G Plus with either the front panel or the remote control remains unchanged from operating the regular CAVS 205G USB player. This section provides detailed descriptions of the features.

### **5.1 Basic Operation**

<b>POWER</b>	Press <b>POWER</b> to turn On or Off the Power.
<b>EJECT</b>	Press <b>EJECT</b> to open and close the disc tray.
<b>NUMERIC(0-9)</b>	Press <b>NUMERIC (0-9)</b> buttons to select a file/track number to play. <b>NOTE:</b> When playing CD or CD+G disc, press <b>05</b> to select the track 5, or press <b>5</b> and wait for the -5 OSD (On Screen Display) to change to 05. Pressing the <b>Play</b> button before the change will result in playing the disc from the track 1. <b>NOTE:</b> When playing a Video CD (VCD), press the <b>Play</b> button for Menu before selecting a song or track. For track 5, press <b>05</b> or <b>5</b> and wait for the -5 OSD to change to 05. Pressing the <b>Play</b> button before the change will result in playing the disc from the track 1. <b>NOTE:</b> When playing a DVD, press the <b>MENU</b> button for Menu before selecting a song or track. For track 5, press <b>05</b> or <b>5</b> and wait for the -5 OSD to change to 05. Pressing the <b>Play</b> button before the change will result in playing the disc from the track 1.
<b>RESERVE</b>	Press <b>RESERVE</b> to enter the <b>PROGRAM LIST</b> and input the desired chapter/track/file number and press <b>PLAY</b> button to start playback in programmed order. In case of VCD, it works at PBC off mode. In case of MP3, it works in a single folder only. <b>NOTE:</b> To program Track 3, 5, 7 in order, press <b>RESERVE, 3, ▾, 5, ▾, 7, ▾, and PLAY</b> . To clear the <b>PROGRAM LIST</b> , click <b>CLEAR</b> button, or <b>OPEN</b> and <b>CLOSE</b> the disc tray.
<b>CANCEL</b>	Press <b>CANCEL</b> to clear the wrong number input. <b>NOTE:</b> For CD or CD+G disc playing, press <b>STOP</b> to clear the wrong number input. The <b>CANCEL</b> button clears the number input when in Reserve or playing SCDG or MP3+G disc.
<b>(PLAY/PAUSE)</b>	Press  once to play the file/track desired and press  again to pause the playback. To return to playback, press  again.
<b>(STOP)</b>	Press <b>STOP</b> to end the playback. On DISC, you can resume the playback by pressing the <b>PLAY</b> . Press the <b>STOP</b> twice to stop the playback completely.
/	Press  (PREVIOUS) or  (NEXT) to skip to the previous or next track or file.
/	Press  /  to change the playback speed: ✓  ( <b>Fast Reverse</b> ): 2X, 4X, 8X, 20X, Normal Play. ✓  ( <b>Fast Forward</b> ): 2X, 4X, 8X, 20X, Normal Play. <b>Note:</b> /  buttons works only when playing video files or discs.
	Press  buttons to navigate the files/folders
<b>ENTER</b>	Press  to play or confirm the desired selection.
<b>VOLUME +/-</b>	Press 'VOL +' to raise the sound volume. Press 'VOL -' to lower the sound volume.
<b>MODE</b>	Press <b>MODE</b> to select between DISC, FLASH DRIVE and CARD. ✓ Connect the CARD or FLASH DRIVE to the Player. ✓ Press <b>MODE</b> to switch from DISC to FLASH DRIVE or CARD. ✓ Use     buttons to select a file and press  to play. ✓ Press <b>MODE</b> to switch back to DISC mode.  <b>NOTE:</b> The unit will not work if 2 devices (FLASH DRIVE and CARD) are inserted into the player at the same time. If there is no disc in the player, the device mode will automatically switch to FLASH DRIVE or CARD that is inserted.
<b>AUDIO</b>	Press <b>AUDIO</b> to select a different audio channel or language of video files or discs.
<b>EQ (EQUALIZER)</b>	Press <b>EQ</b> button and select between SRND/EQ/BAND/KEY options. For EQ, select between <b>STANDARD/CLASSIC/ROCK/JAZZ/POP</b> or adjust manually by selecting <b>USER</b> .
<b>MPX (MULTIPLEX)</b>	Press <b>MPX</b> to select between the Left, Right and Stereo channel of a multiplex vocal track. ✓ <b>MONO L:</b> Playing Left channel sound only ✓ <b>MONO R:</b> Playing Right channel sound only ✓ <b>STEREO:</b> Playing Left and Right channel sound
<b>PBC CUE/PASS</b>	Press <b>PBC</b> to turn off/on the Playback Control mode in VCD discs. Press <b>CUE/PASS</b> to jump to the beginning of the Movie discs
<b>RETURN</b>	Press <b>RETURN</b> to return to the Menu or previous step.
<b>MENU</b>	Press <b>MENU</b> button to go to the DISC MENU in video discs. Press  buttons or <b>NUMBER (0-9)</b> buttons to select an option and press  to confirm. <b>NOTE:</b> The DISC MENU will be different for each disc.
<b>TITLE</b>	Press <b>TITLE</b> to view the title of the currently playing section in a disc containing multiple titles. <b>NOTE:</b> Depending on discs, this feature may not be available.
<b>SLOW</b>	Press <b>SLOW</b> to lower the playback speed (1/2→1/4→1/8→PLAY) in video discs or files <b>NOTE:</b> There is no audio during the slow playback.
<b>ZOOM</b>	Press <b>ZOOM</b> button to enlarge the displayed image during the playback or pause mode (2X → 3X → 4X → 1/2→1/3→1/4→OFF). Use  buttons to move in the enlarged area. <b>NOTE:</b> Depending on discs, this feature may not be available.
<b>INFO</b>	Press <b>INFO</b> for the display of the playback time and the Disc information on the TV screen.
<b>SUBTITLE</b>	Press <b>SUBTITLE</b> to select a different subtitle language. Depending on the disc, different language options for subtitle will be available.
<b>GOTO (TIME SEARCH)</b>	Press <b>GOTO</b> button and select a chapter or input a time with <b>NUMBER (0-9)</b> buttons. Press <b>ENTER</b> to begin play from the chapter or time.
<b>A-B</b>	Press <b>A-B</b> once at point (A) where you wish to begin the repeat. Press <b>A-B</b> again at point (B) where you wish to end the repeat. Then the player will repeat playback between A and B. Press <b>A-B</b> the third time to turn off A-B repeat mode. You can also press <b>STOP</b> to cancel the A-B repeat mode.
<b>REPEAT</b>	Press <b>REPEAT</b> during playback to change the Repeat Mode between OFF/REP 1/REP ALL (or OFF/CHAPTER/TITLE/REP ALL).
<b>MUTE</b>	Press <b>MUTE</b> to disable/enable the audio output.
<b>SETUP</b>	Press <b>SETUP</b> to enter/exit the setup mode.

## 5.2 Karaoke Operation

<b>MICROPHONE SETTING</b>	Connect <b>Microphones</b> to <b>MIC 1</b> and <b>MIC 2 Input</b> jacks on the Front Panel. Adjust <b>Microphone Volume</b> with <b>MIC 1</b> and <b>MIC 2 VOLUME</b> Knobs on the Front Panel. Adjust <b>ECHO Level</b> of Microphones with <b>ECHO +/-</b> buttons on the Remote Controller.
<b>VOLUME +/-</b>	Adjust <b>AUDIO VOLUME</b> with <b>VOL +/-</b> buttons on the remote control.
<b>KEY +/- Control</b>	Press <b>KEY +/-</b> buttons on the Remote Control to raise or lower the <b>KEY Level</b> of the music.
<b>NUMBER (0-9)</b>	Use <b>NUMERIC (0-9)</b> buttons to enter a Song Number.
<b>SONG SEARCH (SCDG, MP3+G)</b>	<b>SEARCH SONGS WITH SONG LIST BY TITLE or ARTIST</b> ① Press <b>SONG LIST</b> button to display the song list of the SCDG or MP3+G files. ② Press <b>TITLE</b> button to switch the Song List <b>by TITLE</b> or <b>by ARTIST</b> ③ Input <b>LETTER</b> of the <b>TITLE</b> or <b>ARTIST</b> with <b>NUMBER (2-9)</b> buttons. The matching result will appear on the TV screen. Press <b>CANCEL</b> to delete the Wrong Letter input. ④ Press <b>PLAY</b> or <b>ENTER</b> to start playback of selected song. Press <b>STOP</b> to stop playback.
	<b>INPUT SONG NUMBER</b> ① Press <b>NUMBER INPUT</b> button to enter the Song Number Input Mode ② Input desired song number with <b>NUMBER (0-9)</b> buttons. The matching result will be displayed on the TV Screen. Press <b>CANCEL</b> to delete the Wrong Number Input. ③ Press <b>ENTER</b> or <b>PLAY</b> to start playback of selected song. Press <b>STOP</b> to stop playback.
<b>PROGRAM PLAYBACK (SCDG, MP3+G)</b>	You can reserve up to 16 songs on the PROGRAM LIST ① Select a song using the <b>SONG LIST</b> or <b>NUMBER INPUT</b> mode. ② Press <b>RESERVE</b> button to program the song in the PROGRAM LIST. ③ Repeat the steps above to program more songs. That is, go to <b>SONG LIST</b> or <b>NUMBER INPUT</b> , select a song, and press <b>RESERVE</b> button to program the song. ④ When done programming songs, press the <b>PLAY</b> button in the PROGRAM LIST to start playback in programmed order. ⑤ To move a programmed song to the top of the queue, select the song in the PROGRAM LIST and press <b>↶</b> button. ⑥ To cancel a programmed song, select the song in the PROGRAM LIST and press <b>CANCEL</b> button. ⑦ To terminate the program playback, press <b>RESERVE</b> and press <b>CLEAR</b> , or open and close the Disc tray.
<b>MPX (MULTIPLEX)</b>	Press <b>MPX</b> button to cancel the Lead Vocal sound in Multiplex tracks or files. ✓ <b>MONO L:</b> Play Left channel sound only ✓ <b>MONO R:</b> Play Right channel sound only ✓ <b>STEREO:</b> Play Left and Right channel sound
<b>RECORDING OF SINGING (SCDG, MP3+G)</b>	You can record your singing, music & lyrics into Flash Drive/CARD in MP3+G format when playing SCDG and MP3+G discs. ① Insert a Flash Drive/CARD and microphone to the Player. ② After selecting a song, press <b>RECORD</b> button to start recording into Flash Drive/Card. ③ Your singing, music, and the lyrics display of SCDG/MP3+G file or disc will be recorded in RECORD folder in the Flash Drive/Card at MP3+G format. ④ To stop recording, press <b>STOP</b> . ⑤ After the recording, press <b>MODE</b> button to find the RECORD folder in the Flash Drive/Card and re-play the recorded files.
<b>SCDG Disc Copying</b>	SCDG Discs can be copied onto a Flash Drive/CARD using a PC/ Laptop. ① Insert a Flash Drive/CARD into the PC/laptop. ② Insert a SCDG Disc into the DVD Disc drive of the PC/laptop. Be sure the Flash Drive/CARD has sufficient memory space to copy the <b>SCDG</b> disc which can be approximately 5GB when single sided and 8GB when double sided. ① Copy the folder <b>CAVS_MCG</b> located inside the SCDG disc onto the Flash Drive/CARD. Be sure to copy the entire folder <b>CAVS_MCG</b> . ② When done, rename the copied <b>CAVS_MCG</b> folder so that it can be identified with the original SCDG disc, such as using a name "CB516V5". ③ You can continue to copy other SCDG discs onto the Flash Drive/CARD if the space allows. Be sure to rename the <b>CAVS_MCG</b> folder differently to prevent overwriting. ④ Take out the Flash Drive/CARD and insert it into the Player. ⑤ Press <b>MODE</b> to select the Flash Drive/CARD. ⑥ Enter the folders to play the matching SCDG.
<b>MP3+G Disc Copying</b>	MP3+G Discs can be copied with high speed (8X) into FLASH DRIVE/CARD directly without PC/Laptop. ① Connect a Flash Drive/CARD to the Player and Insert a MP3+G Disc to the player. ② Highlight a MP3+G file in the <b>SONG LIST</b> and press <b>RIPPING</b> button. ③ When "Do you want to copy it to USB/CARD?" appears, select <b>ONE</b> or <b>ENTIRE</b> to start copying the Disc, or select <b>Cancel</b> to cancel the copying. ✓ <b>ONE:</b> Copy the selected song only ✓ <b>ENTIRE:</b> Copy from the selected file to the last file in the folder ④ Copied files are saved at DISC TO MP3G folder in FLASH DRIVE/CARD. ⑤ Repeat the above steps to continue copying more MP3+G songs. ⑥ When done, press <b>MODE</b> button to enter the DISC TO MP3G folder in FLASH DRIVE/CARD and re-play the copied files.
<b>CD+G Disc Ripping</b>	CD+G Discs can be ripped with High Speed (4X) into FLASH DRIVE/CARD directly without PC/Laptop. ① Connect a Flash Drive/CARD to the Player and Insert a CD+G Disc into the player. ② Press <b>RIPPRING</b> button and follow the screen menu to set the <b>OPTIONS</b> and <b>TRACKS</b> .

	<p>③ Select <b>START</b> and press  to begin Ripping.</p> <p>④ During the Ripping, you can change the Ripping speed between 1X and 4X.</p> <p>⑤ When done, select <b>QUIT</b> and press  to exit the Ripping mode.</p> <p>⑥ The Ripped songs will be saved in CDG TO MP3G folder in the Flash Drive/CARD at MP3+G format with following file names.</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="flex: 1;"> <p>TRKAAA01</p> <p>TRKAAA02</p> <p>.....</p> <p>TRKAAA10</p> <p>etc.</p> </div> <div style="border: 1px solid black; padding: 5px; flex: 1; margin-left: 10px;"> <p>AAA indicates the Disc ID.</p> <p>01, 02...etc indicate the Track numbers.</p> </div> </div> <p>⑦ To continue with more CD+G Discs, repeat the step ① to ⑦.</p> <p>⑧ When done, press <b>MODE</b> button to enter CDG TO MP3G folder in the Flash Drive/CARD and play the ripped files.</p>
<b>SONG LIST CREATING (SCDG/MP3+G)</b>	<p>You can create the song list of SCDG/MP3+G discs or SCDG/MP3+G Flash Drive/CARD. The resulting SONG LIST.TXT file will be saved in a Flash Drive/CARD.</p> <p>① Insert the SCDG/MP3+G Disc or the SCDG/MP3+G Flash Drive/CARD to the player. If it is a disc, connect a Flash Drive/Card to the player.</p> <p>② Press <b>SONG LIST</b> button to display all SCDG/MP3+G Songs on the Screen.</p> <p>③ Press <b>MENU</b> button to create the list of all SCDG/MP3+G files</p> <p>④ The resulting SONG LIST.TXT file will be saved at the ROOT of the Flash Drive/CARD.</p> <p>⑤ Print the SONG LIST.TXT file for paper songbooks.</p>
<b>REPEAT</b>	<p>Press <b>REPEAT</b> to change the repeat mode of programmed song by <b>ONE</b>, <b>ALL</b> and <b>OFF</b>.</p> <ul style="list-style-type: none"> <li>✓ ONE: Repeat the currently playing song.</li> <li>✓ ALL: Repeat all songs continuously.</li> <li>✓ OFF: Repeat Off</li> </ul>
<b>EQ (Equalizer)</b>	<p>Press <b>EQ</b> button and select an option (SRND, EQ, BAND, and KEY) using   buttons. For each category, use   buttons to select a setting. For EQ, select the USER setting to adjust manually.</p>

## 6. Setup

## System Setup

Press **SETUP** to enter SYSTEM SETUP. Press **SETUP** again to exit.

<b>TV System</b>	Switch between different TV systems (NTSC, PAL60, PAL and AUTO). *If not known, select AUTO.
<b>SCREEN SAVER</b>	Turn the screen saver ON or OFF.
<b>HD OUTPUT</b>	If the TV is HD, select the corresponding HD resolution (HD OFF / 720P / 1080i / 1080P). If the TV is not a HDTV but the output is set at 720P or 1080P, the image will not be of good quality. In this case, reset the output to the regular TV image (HD OFF).
<b>VIDEO</b>	Select a Video Output according to your connection setup. Both Composite (CVBS) and HDMI outputs are enabled by default.
<b>TV TYPE</b>	For a normal TV, select 4:3PS (Pan and Scan) or 4:3(Letter Box). For a wide-screen TV, select 16:9.
<b>PASSWORD</b>	Input 4 numbers and press <b>OK</b> to setup your own password. When you set up a password, the player will ask you to enter the password to change the some system settings such as RATING. Please store your password safely as we are not able to retrieve it. The default password is 0000.
<b>RATING</b>	When changing the Rating, you need to enter your password to unlock the SYSTEM SETUP. Rating level is base on the information of the discs. All discs with Rating levels below the selected Rating will play. <ul style="list-style-type: none"><li>➤ <b>1 KID SAFE:</b> It will play all discs.</li><li>➤ <b>2 G:</b> General Audience; recommended as acceptable for viewers of all ages.</li><li>➤ <b>3 PG:</b> Parental Guidance suggested.</li><li>➤ <b>4 PG13:</b> Material is unsuitable for children under age 13.</li><li>➤ <b>5-6 PG-R:</b> Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.</li><li>➤ <b>7 NC-17:</b> No children under age 17; not recommended viewing for children under age 17.</li><li>➤ <b>8 ADULT:</b> Mature material; should be viewed only by adults due to graphic sexual material, violence or language.</li></ul>
<b>DEFAULT</b>	Change back to factory setting.

## Language Setup

Press **SETUP** to enter SYSTEM SETUP. Use **◀▶** buttons to select LANGUAGE SETUP. Factory default for all settings is English.

<b>OSD LANGUAGE</b>	Select a language of the Screen.
<b>AUDIO LANG</b>	Select a language of the Audio.
<b>SUBTITLE LANG</b>	Select a language of the Subtitle.
<b>MENU LANG</b>	Select a language of the Menu.

## Audio Setup

Press **SETUP** to enter SYSTEM SETUP. Use **◀▶** buttons to select AUDIO SETUP.

<b>AUDIO OUT</b>	Select an Audio Output according to the audio connection. To cancel COAXIAL connection, use SPDIF/OFF. <ul style="list-style-type: none"><li>➤ <b>SPDIF/OFF:</b> Analog audio output through the jacks on back panel (Audio L, Audio R).</li><li>➤ <b>SPDIF/RAW:</b> Digital audio output through the Coaxial/HD Audio Output.</li><li>➤ <b>SPDIF/PCM:</b> PCM Digital audio output through the Coaxial/HD Audio Output.</li></ul>
<b>HD AUDIO</b>	<b>AUTO:</b> Digital audio output through the HD Audio output. <b>PCM:</b> PCM Digital audio output through the HD Audio output.
<b>SCORE</b>	<b>AUTO:</b> Display score after singing with microphone (s). <b>OFF:</b> Turn off the display of score.
<b>COIN</b>	<b>OFF:</b> Turn Off the Coin mode <b>ON:</b> Turn On the Coin mode.
<b>KEY</b>	Change the Key of music (-6, -4, -2, 0, 2, 4, 6)
<b>ECHO</b>	Change the Echo Level of microphone sound output (OFF/2/4/6/8).
<b>MIC VOL</b>	Change the Volume of microphone sound output (OFF/2/4/6/8).

## Video Setup

Press **SETUP** to enter SYSTEM SETUP. Use **◀▶** buttons to select VIDEO SETUP.

<b>BRIGHTNESS</b>	Set the brightness of the video from range 0-12.
<b>CONTRAST</b>	Set the contrast of the video from range 0-12
<b>HUE</b>	Set the hue of the video. +color to increase red color, -color to increase green color.
<b>SATURATION</b>	Set the degree of the saturation of the video.
<b>SHARPNESS</b>	Set the degree of the sharpness of the video.

## Speaker Setup

Press **SETUP** to enter SYSTEM SETUP. Use **◀▶** buttons to select SPEAKER SETUP.

<b>DOWNMIX</b>	Switch the audio output between LT/RT Mono, STEREO, VSS and OFF mode. In LT/RT Mono Mode, two sound tracks will be mixed and the difference between these two tracks will be enhanced. In VSS mode, two sound tracks will be mixed and the difference between these two tracks will be decreased.
<b>FRONT</b>	Change the font between LARGE and SMALL.

## Digital Setup

Press **SETUP** to enter SYSTEM SETUP. Use ◀▶ buttons to select DIGITAL SETUP.

<b>OP MODE</b>	Switch between Line Out (encode signal) and RF REMOD (raw signal)
<b>DYNAMIC RANGE</b>	Set the scale of dynamic range between OFF, 1/8, 2/8, ...7/8, 1.
<b>DUAL MONO</b>	Set the Dual Mono modes from STEREO, MONO L, MONO R and MIX MONO. ➤ <b>STEREO</b> : The proper channel output through both right and left speakers. ➤ <b>MONO L</b> : the left side channel output through both right and left speakers ➤ <b>MONO R</b> : the right side channel output through both right and left speakers. ➤ <b>MIX-MONO</b> : the mixed two channel output through both right and left speakers.

## 7. Troubleshooting

	Symptom	Remedy
C O M M O N	No power	Insert the Power plug securely into the power outlet and press "Power" button on the front panel.
	Play fails to start even when PLAY button is pressed. Play starts but then stops immediately	Condensation has formed: wait about 1 to 2 hours to allow the player to dry out. The disc may be dirty and may require cleaning. Ensure that the disc is inserted with the label side up.
	No Picture	Ensure that the video equipment is connected properly. Ensure that the input setting for the video equipment is set properly.
	No sound	Ensure that the audio equipment is connected properly.
	Distorted sound	Ensure that the input setting for the audio equipment is set properly.
	Picture is distorted during fast forward or fast reverse.	The picture will be somewhat distorted at times: this is normal.
	Picture freezes momentarily during playback	Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre to edge.
	No fast forward or fast reverse play.	Some discs may have section which prohibit fast forward or fast reverse.
	No 4:3 (16:9) picture	Choose a correct setup for the connected video equipment.
	No operations can be performed with the remote control.	Check that the batteries are inserted with correct polarities (+/-). The batteries are depleted: replace them with new ones. Point the remote control unit at the remote control sensor and operate. Operate the remote control unit at a distance of not more than 23 feet/7 meters from the remote control sensor. Remove the obstacles between the remote control unit and remote control sensor.
O T H E R	No key operation (by the unit and/or the remote control) is effective.	Set the POWER button to OFF and then back to ON. Alternatively, turn off the power, disconnect the power plug and then re-connect it.
	On-Screen Menu icons not displayed or only partially displayed on the TV Screen.	Select the appropriate TV Screen type by consulting the operating manual for the TV.
	The player is not working normally.	When "NO DISC" message appears on the display of the main unit, enter the SETUP mode, select DEFAULT, and all settings will return to the default values. Press the POWER button to reboot the player
	Play does not start even when title is selected.	Confirm the "RATING" setting.
	Audio soundtrack and/or subtitle language is not the one selected at the initial settings.	If the audio soundtrack and/or subtitle language does not exist on the disc, the language selected at the initial settings will not be in effect.
	No subtitles	Subtitles appear only with discs which contain them. Subtitles are removed from the TV monitor. Perform the steps to display the subtitles.
	Alternative audio soundtrack (or subtitle) languages fail to be selected.	An alternative language is not selected with discs which do not contain more than one language. In the case of some discs, the alternative language cannot be selected by operating the AUDIO or SUBTITLE button. Try selecting it from the menu if available.
	Unable to play AVI movies	Check that the AVI file is encoded correctly.
	Microphone does not work.	Check if the microphone is switched ON. Check the microphone volume of the Player and the Amplifier. Check if the microphone is defective. If so, replace it.
	When using the microphone, the speaker makes a noise.	Keep the microphone away from the speaker. Do not place it toward the speaker.
	Scoring has no function	Connect the microphone to the player correctly. Sing each song with enough voice output level for over 1 minute.
	Unable to recognize the Flash Drive/CARD	Take out the Flash Drive/CARD and re-connect to the player. Check if the cable is plugged in correctly. Check that the External HDD has its own power input. The external HDD must be connected to its own power supply for proper operation.

## 8. Specification

<b>Supported Format</b>	<ul style="list-style-type: none"><li>· Super CD+G, MP3+G, CD+G, AVI, MPG and JPG</li><li>· Supported Video Resolution: 720 * 480p</li></ul>
<b>TV System</b>	<ul style="list-style-type: none"><li>· PAL/NTSC/Multi System</li></ul>
<b>Video Output</b>	<ul style="list-style-type: none"><li>· Composite, HDMI VIDEO AUDIO Output</li><li>· Progressive Scan up to 720P, 1080i, 1080P</li></ul>
<b>Audio Output</b>	<ul style="list-style-type: none"><li>· AUDIO L/R Out (For Karaoke)</li><li>· HDMI VIDEO AUDIO Out (For Karaoke)</li><li>· COAXIAL Out</li></ul>
<b>Input</b>	<ul style="list-style-type: none"><li>· Microphone Input: 2EA</li><li>· Flash Drive: 1EA, Ver2.0</li><li>· Card Input: 1EA</li></ul>
<b>Others</b>	<ul style="list-style-type: none"><li>· Power source: DC 5V Adapter (AC 100-240V~ 50/60Hz)</li><li>· Power consumption: &lt;15W</li></ul>

**END**