

CAVS IPS-11G Karaoke Station

User's Manual



This product supports USB memory devices with USB connectivity - iPod®, MP3 player, MP4 player, USB memory Stick, USB hard drive, etc. with FAT32 file system (Windows PC).

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1 Introduction

CAVS IPS-11G Karaoke Station is an innovative multimedia player that plays photo, music, video, and karaoke files from your USB memory device, such as iPod®, MP3 player, MP4 player, USB memory stick, USB hard disk, or USB card reader. CAVS IPS-11G bridges your USB memory device to your home audio video (theater) system.

CAVS IPS-11G will let you view, search, and play the multimedia files directly on TV screen using a remote controller. Simply connect your USB memory device to CAVS IPS-11G, sit back, and enjoy the entertainment.

CAVS IPS-11G can play multimedia files of MPEG, AVI, DAT, VOB, MP3, JPEG, BMP, GIF, and also the MCG-MP3 karaoke files. The karaoke files can be downloaded online or extracted from CD+G karaoke discs using IPS Manager program included in CAVS IPS-11G package.

CAVS IPS-11G will turn your USB memory device into a complete home entertainment unit. Store the multimedia files you wish to play into your USB memory device and let CAVS IPS-11G play them. Your USB memory device, such as iPod® or MP3 player, does not have to be video capable or even audio capable. Simply store the files into your USB memory device, connect the device to CAVS IPS-11G, and let CAVS IPS-11G play the files into your home audio video (theater) system.

- Play photo, music, video, and karaoke files from USB memory device such as iPod®, MP3 player, MP4 player, USB memory stick, USB hard disk, or USB card reader.
- View, search, and play the multimedia files directly on TV screen with a remote control.
- Enjoy karaoke play with full features of key control, tempo control, voice cancel, and built-in dual microphone mixer.
- Connect and recharge your USB memory device.

* iPod® and iTunes® are registered trademarks of Apple Inc.

2 Safety and warning instruction

Please read it carefully to ensure safe and proper use:

Copyright	All multimedia contents (movie, karaoke, music, and photo) are under the protection of copyright law. Avoid using pirated or illegally copied material. Any legal repercussions resulting from illegal viewing of pirated or copyrighted material will be born solely by the user.
Codec supported	The system can not support all codec formats. Please check the supported codec type in this manual. (3. Specification)
Disassembly	Do not attempt to repair the system by yourself. Opening or removing covers may expose you to dangerous voltages or other hazards and will void the warranty.
Foreign object	Do not insert a foreign object into the system. It may damage the system and be harmful to user and will void the warranty.
Shock or sudden impact	Do not apply excessive pressure on the system. It may damage the system and will void the warranty.
Water and humidity	Do not let liquid enter the system as it may touch dangerous voltage points or short electrical circuit that can result in fire or electrical shock.

Chemical objects	Do not spill benzene, gas, paint thinner, or other corrosive materials in or on the system. Serious and permanent harm can occur.
Firmware update	Do not turn off the power during firmware update. If the power turns off, it may cause irreparable damage to the system.

FCC NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of

electrical and electronic equipment. By ensure this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling materials will help to conserve natural resource. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

3 Specification

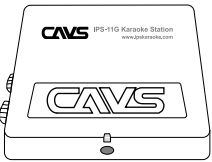
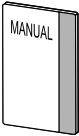
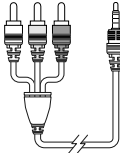
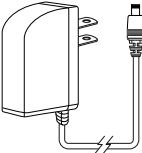
Supported file format	Video format	MPEG, MPG, AVI, DAT, VOB
	Karaoke format	MCG-MP3
	Audio format	MP3
	Photo format	JPEG, BMP, GIF
Video output	Composite video (NTSC/PAL support) S-Video (Y/C)	
Audio output	Analog 2CH (Stereo), Digital audio out (coaxial)	
Microphones	Mini (3.5mm, 1/8 inch) jack x 2	
USB connector	A-type	
Power requirement	DC 9V / 1A	
Power consumption	Max. 900mA (with iPod® charging)	
Dimension (W X H X D)	100mm X 28 mm X 80mm	
Net weight	193g	
Operating temperature	-5°C ~ +50°C	
Operating humidity	0% ~ 90% (RH)	
External interface	Standard A Type USB connector	
Supported USB memory device	MP3 / MP4 player with USB port, USB memory stick, USB card reader, USB Hard drive, iPod®, iPod® mini, iPod® photo, iPod® nano, iPod® video, iPod® classic iPod® shuffle (USB mode)	

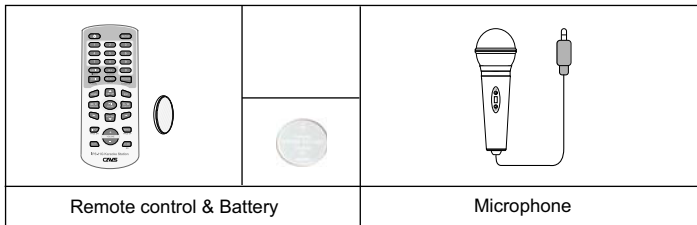
* Technical specifications are subject to change. Please refer to www.ipskaraoke.com for latest information.

4 CAVS IPS-11G Karaoke Station and accessories.

4.1 Package contents

- CAVS IPS-11G Karaoke Station
- A/V cable
- AC power adapter
- Remote control & Battery
- Microphone
- User's manual

 A black and white line drawing of the CAVS IPS-11G Karaoke Station. The device is rectangular with rounded corners. On the top surface, there is a small rectangular area with the text "CAVS IPS-11G Karaoke Station" and "www.gokaraoke.com" below it. In the center of the front face, there is a large, stylized "CAVS" logo. A small circular button or indicator is located at the bottom center of the front face. On the left side, there are two small circular ports.	 A simple line drawing of a manual book. The front cover is labeled "MANUAL" in capital letters. The book is shown at a slight angle, revealing its thickness.
CAVS IPS-11G Karaoke Station	User's manual
 A line drawing of an A/V cable. It features a single cable that splits into three separate connectors: two RCA connectors (one red, one white) and one S-video connector. The other end of the cable is a standard 3.5mm audio jack. A lightning bolt symbol is drawn near the bottom of the cable to indicate it is an audio cable.	 A line drawing of an AC power adapter. It is a rectangular box with two prongs on the top side. A cable is attached to the bottom, which ends in a standard two-prong AC power plug. A lightning bolt symbol is drawn near the bottom of the cable to indicate it is a power cable.
A/V cable	AC power adapter

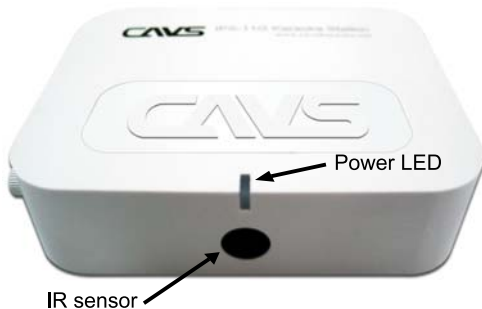


4.2 Name of each part and function description

4.2.1 CAVS IPS-11G Karaoke Station

4.2.1.1 Front / Top side

- Power LED : Indicates the system power status (on/off).
- IR sensor : Receives remote control signal. For proper operation, be sure there is no obstacle between IR sensor and remote control.



4.2.1.2 Right side



A-Type USB port is located on the right side of the main body to connect your USB memory device such as iPod®, MP3 player, MP4 player, USB memory stick, USB memory card reader, USB hard drive.

4.2.1.3 Back side



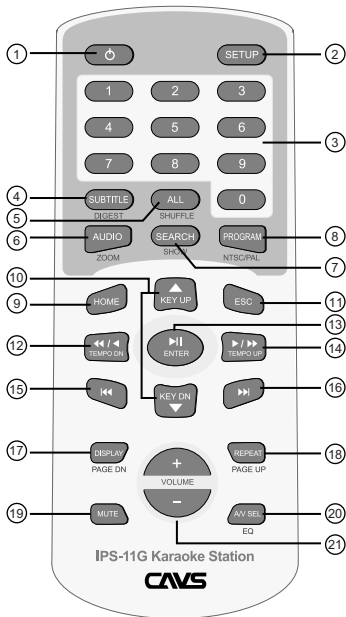
SPDIF connector for digital audio output, S-Video connector for high-resolution video output, A/V out connector for 2 Channel audio and composite video output, 9V DC power input terminal, and POWER ON/OFF Switch are located on the back side.

4.2.1.4 Left side



Two mini (3.5mm, 1/8 inch) jack connectors for microphone inputs, microphone volume control knob and echo volume control knob are located in left side.

4.2.2 Remote Controller



- 1 POWER
- 2 SETUP
- 3 NUMERIC BUTTONS
- 4 SUBTITLE / DIGEST
- 5 ALL / SHUFFLE
- 6 AUDIO / ZOOM
- 7 SEARCH / SHOW
- 8 PROGRAM / NTSC / PAL
- 9 HOME
- 10 KEY UP / DOWN
- 11 ESC
- 12 FAST BACKWARD / LEFT / TEMPO DOWN
- 13 PLAY / PAUSE / ENTER
- 14 FAST FORWARD / RIGHT / TEMPO UP
- 15 PREVIOUS
- 16 NEXT
- 17 DISPLAY / PAGE DOWN
- 18 REPEAT / PAGE UP
- 19 MUTE
- 20 AV SEL / EQ
- 21 VOLUME UP / DOWN

5 Installation and connection

5.1 Connecting your USB memory device

Connect your USB memory device, such as iPod®, MP3 player, MP4 player, USB memory stick, USB card reader, or USB hard drive, to CAVS IPS-11G Karaoke Station. Use the USB cable that came with your USB memory device to connect.

You can connect your USB memory device anytime regardless of CAVS IPS-11G being powered on or off. "MEDIA DETECTED" message will appears on TV screen.

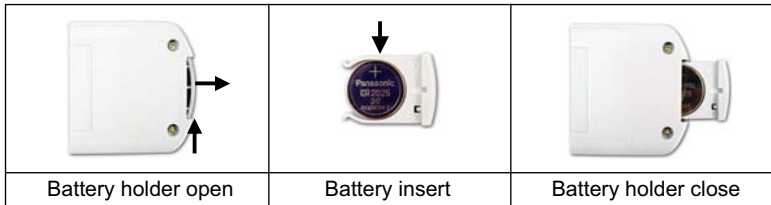
5.2 Removing your USB memory device

You can remove your USB memory device from CAVS IPS-11G anytime. "NO MEDIA DETECTED" message will appears on TV screen.

5.3 Remote control battery installation

Before using your remote control, insert the battery as described below.

- Using a clip or fingertip, pull out the battery holder.
- Insert one "CR2032" battery as shown. Make sure to keep the correct polarity (+ or -).
- Push in the battery holder until a click sound.



CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

- ⚠ Do not store the remote control in high temperatures or direct sunlight.
- ⚠ The remote control may not function properly in direct sunlight.

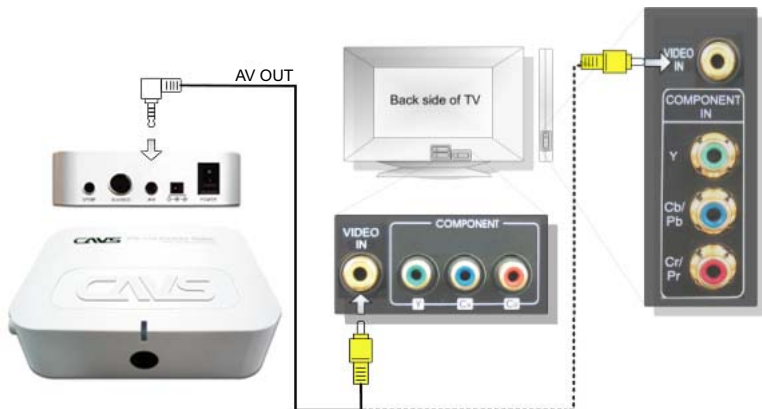
5.4 Power connection

AC power adapter supports 100V~240V AC input voltage with DC9V 1000mA output. To prevent any damage to the system, it is recommended only to use the included AC power adapter.

5.5 Video connection

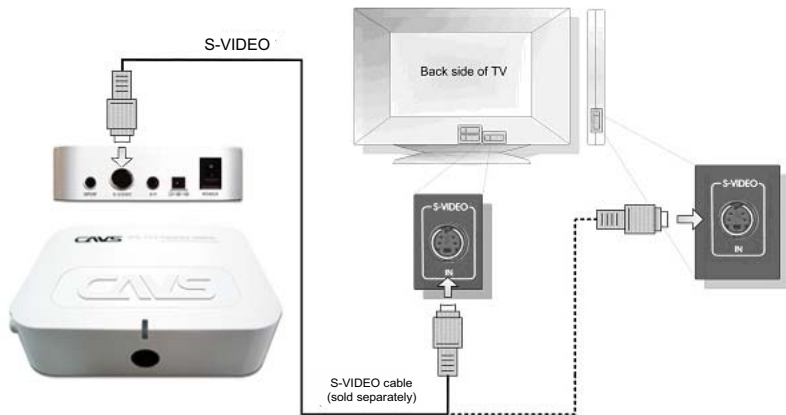
5.5.1 Connecting to composite output (most commonly used)

Using the yellow connector of AV cable, connect the CAVS IPS-11G AV out terminal with VIDEO IN or COMPOSITE IN terminal of TV. Please refer to the user's manual of your TV to find the VIDEO IN terminal.



5.5.2 Connecting to S-VIDEO output

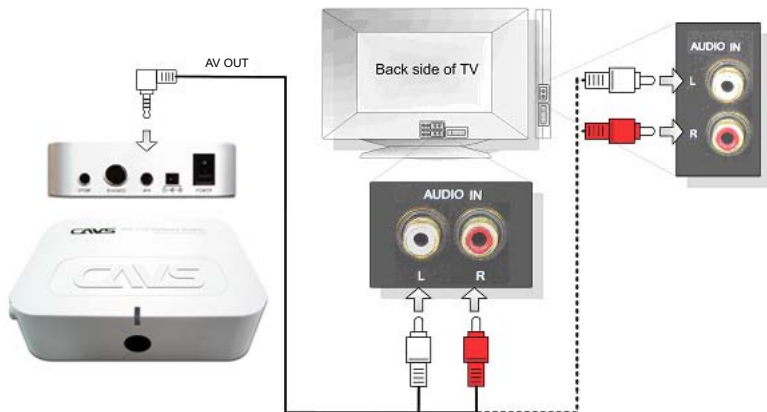
If your TV has S-Video input terminal, you can enjoy high quality video using S-Video cable (not included) from the S-Video out terminal of CAVS IPS-11G to the S-Video input terminal of your TV.



5.6 Audio connection

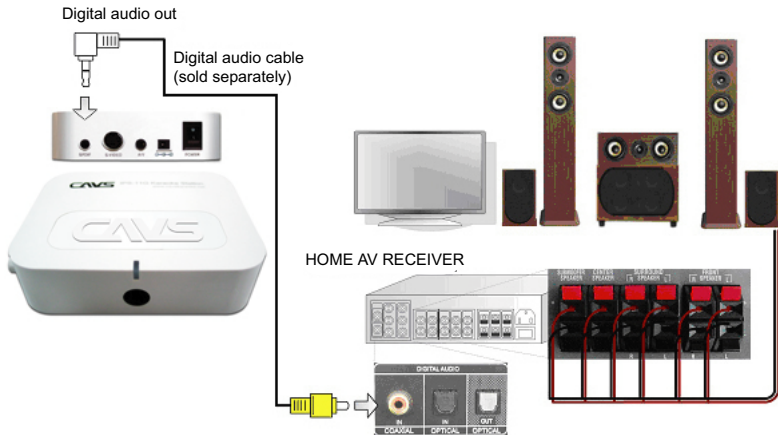
5.6.1 Connecting to analog audio output (most commonly used)

Using the white and red connector of AV cable, connect the CAVS IPS-11G AV out terminal to the AUDIO IN terminal of TV or amplifier. Please refer to the user's manual of your TV or amplifier to find the AUDIO IN terminal.



5.6.2 Connecting to digital audio output (5.1CH)

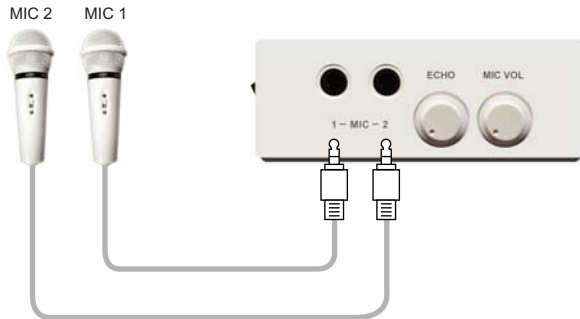
If your AV receiver has a digital audio input terminal (coaxial), you can enjoy 5.1ch audio when playing back 5.1ch audio files. Using the digital audio cable (not included), connect SPDIF digital audio out terminal of CAVS IPS-11G with digital audio input terminal (coaxial terminal) of you're AV receiver. Please refer to the user's manual of you're AV receiver to find the digital audio input terminal.



5.7 Microphone connection

5.7.1 Microphone connection

CAVS IPS-11G has a built-in dual microphone mixer with 3.5mm mini jack connectors for 2 microphones. Connect the microphones (one included) into the mini jack connectors. Turn on the power switch located on the microphone handle.




Adjust the microphone volume and echo level with MIC VOL and ECHO control knobs. Turn the control knobs clockwise to increase, or counter clockwise to decrease, the volume and echo level.


6 Operation of CAVS IPS-11G Karaoke Station

To start CAVS IPS-11G Karaoke Station,

- Connect the power cable and AV cable of CAVS IPS-11G as shown in Section 5.
- Turn on the POWER switch in the back side of CAVS IPS-11G.
- Press the POWER key in the remote control.

The initial screen of CAVS IPS-11G will appear with a message "NO MEDIA DETECTED" on the TV screen.

 The POWER key in the remote control only works when the POWER switch in the back side of CAVS IPS-11G is turned on. This state is called standby mode. When not in use, turn off the POWER switch in the back side of the unit.

 After CAVS IPS-11G is powered on, if the TV screen keeps rolling vertically and has no color, press PROGRAM key in the remote control of CAVS IPS-11G to change the TV type (MULTI / NTSC / PAL) setting. The PROGRAM key will only work to change the TV type setting in the Main menu when no digital device is connected. To change the TV type setting at any other time, go to Setup menu and follow the instruction given in Section 9. Setup system configuration.



Connect your USB memory device to CAVS IPS-11G. The TV screen will show “MEDIA DETECTED” message and display the Main menu in a few seconds. Main menu consists of Photos, Music, Videos, and Files icons. You can choose any icon by using the ◀/▶ keys and pressing the ENT key. You can return to Main menu from any part of operation by pressing HOME key anytime. You can disconnect your USB memory device anytime from CAVS IPS-11G.

Commonly used remote control keys

- POWER : Turn on/off CAVS IPS-11G.
- HOME : Go to the Main menu
- SETUP : Go to Setup menu (See Section 9. Setup system configuration).
- VOL(+/-) : Adjust the volume level.
- MUTE : Mute the audio. Press again to cancel.
- ENT(▶) : Select a highlighted menu or play a highlighted file. Press to pause during playback.
- ESC : Stop playback or go back to previous menu.
- ▲/▼ : Move up / down when browsing.
- ◀/▶ : Go to previous / next menu when browsing, or fast reverse / fast forward during playback. Press again to return to normal speed during playback.
- ◀◀/▶▶ (Previous / Next) : Go to previous / next page when browsing or previous / next file during playback.

6.1 Photos mode

Photos mode reads and plays image files saved under a folder named Photos in your digital devices. The folder Photos may contain multilevel sub-folder structure. CAVS IPS-11G can play back image files of format JPG(JPEG), BMP, and GIF.

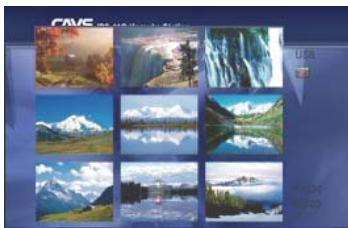
For iPod®, to see the images stored through iTunes®, go to Photos, Full Resolution, and Year-Month-Date folders. Note that only the images stored with “Include full-resolution photos” option in iTunes® will be shown.



Example of photo library screen



Example of playback screen



Example of thumbnail digest screen



Example of music slide show setup

Remote control keys in Photos mode

- ESC : Stop the playback or go back to the previous menu.
- ENT(▶) : Select a highlighted menu or play a highlighted file. Press to pause in playback.
- REPEAT : Select between Folder Repeat ON / Folder Repeat OFF.
- ALL : Sort and show all the photo files regardless of folder structure. Press again or press ESC to cancel.
- SHOW : Choose a photo folder and press SHOW key to use it for a music slide show. Only one photo folder can be selected. Press SHOW again or ESC to cancel the selection. Music slide show can be started only in Music mode. If no photo folder is selected, the root files under the Photos folder will be selected as default.



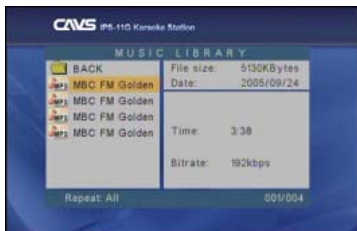
Slide show only works with JPEG files. If there is no JPEG files in the selected photo folder, "NO PHOTO FILE" message will appear for the music slide show.

- DIGEST : Display photo thumbnails. Press again or press ESC to cancel. It may take some time to load the photo thumbnails depending on the photo file resolution. You can highlight the photo thumbnail using ▲/▼, ◀/▶ keys and play the highlighted photo by pressing ENT key.
- ZOOM : Enlarge the photo during photo playback in 2X, 3X, 4X and Off sequence. You can move around the enlarged photo using ▲/▼, ◀/▶ keys.
- DISPLAY : Show the photo file information during playback. Press again to cancel.
- ▲/▼ : Rotate the photo during playback.
- AV SEL : Select among 14 different display styles for playback.

6.2 Music mode

In Music mode, CAVS IPS-11G reads and plays MP3 music files saved under a folder named MUSIC in your USB memory device. The folder MUSIC may contain multilevel sub-folder structure. Select a song file and press ENT to begin playback. The Equalizer screen will appear with the music file information.

For iPod®, to play the MP3 files stored through iTunes®, select iPod-Control, Music, and Songs folders. Note that only the MP3 files stored without the DRM protection will be shown.



Example of music library screen



Playback screen (Equalizer screen)

⚠ File information on the Equalizer screen comes from the ID3 Tag of the MP3 file. If the MP3 file does not have a ID3 Tag, the Equalizer screen will not display any file information.

Remote control keys in Music mode

- ESC : Stop the playback or go back to the previous menu.
- ENT(▶||) : Select a highlighted menu or play a highlighted file. Press to pause in playback.
- REPEAT : Select between REPEAT: ONE / ALL / OFF.
- ALL(SHUFFLE) : Sort and show all MP3 music files regardless of folder structure. Press it again or press ESC to cancel.
- DISPLAY : Show the music file information during playback. Press again to cancel.
- SHOW : Start music slide show using the previously selected photo folder in Photos mode. If no photo folder is selected ahead, the root files under the Photos folder will be displayed as default. SHOW key works only when a music file is highlighted in the library screen or is playing back in equalizer screen. Press SHOW again or ESC to cancel.
- EQ: Change the equalizer setting in the Equalizer screen.
- ◀/▶ : Fast Reverse / Fast Forward during playback.
- ◀◀/▶▶(Previous / Next) : Go to previous / next page when browsing or previous / next file during playback.

6.3 Videos mode

Videos mode reads and plays video files saved under a folder named VIDEOS in your USB memory device. The folder VIDEOS may contain multilevel sub-folder structure. CAVS IPS-11G can play back video files of format MPEG, MPG, AVI, DAT, VOB. Select a video file and press ENT to begin playback.

For iPod®, the video files stored through iTunes® is encrypted in a proprietary format and can not be viewed by CAVS IPS-11G. To play by CAVS IPS-11G, the video files must be stored into iPod® as USB memory device, shown in Section 6.5.




Example of video library screen



Example of playback screen

Remote control keys in Videos mode

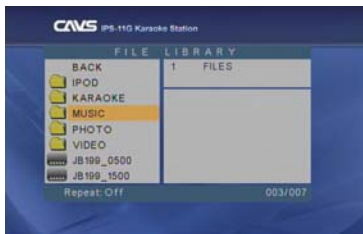
- ESC : Stop the playback or go back to the previous menu.
- ENT(▶) : Select a highlighted menu or play a highlighted file. Press to pause in playback.
- REPEAT : Select between REPEAT: ONE / ALL / OFF.
- ALL : Sort and show all the video files regardless of folder structure. Press it again or press ESC to cancel.
- DISPLAY : Show the video file information during playback. Press again to cancel.
- ◀/▶ : Fast Reverse / Fast Forward during playback.
- SUB-T : Select the preferred subtitle language. This function is useful only with video files on which multiple subtitle language are recorded.
- AUDIO : Select the preferred audio language. This function is useful only with video files on which multiple audio soundtrack language are recorded.

 If a video file does not include an audio file or an audio file of a supported format by CAVS IPS-11G, you will not hear the audio portion of the video file. Please check the file format for proper operation.

6.4 Files mode

Files mode shows all files (supported by CAVS IPS-11G) and folders in your USB memory device. You can browse and play any of the files shown in Files mode, as long as the files are of supported formats.

*For information on karaoke features and files, see Section 7.



Example of file library screen



Example of karaoke file library screen

Remote control keys in Files mode

- ESC : Stop the playback or go back to the previous menu.
- ENT : Select a highlighted menu or play a highlighted file. Press to pause during playback.
- REPEAT : Select between REPEAT: ONE / ALL / OFF.
- ALL : Sort and show all the files regardless of folder structure. Press again or press ESC to cancel.
- DISPLAY : Show the file information during playback. Press again to cancel.
- ◀/▶: Fast Reverse / Fast Forward during playback.
- ◀◀/▶▶(Previous / Next) : Go to previous / next page when browsing or previous / next file during playback.
- SUB-T : Select the preferred subtitle language. This function is useful only with video files on which multiple subtitle language are recorded.
- AUDIO : Select the preferred audio language. This function is useful only with video files on which multiple audio soundtrack language are recorded.

6.5 Storing Files

For MP3 music files, store the files under a folder named MUSIC in your USB memory device to maximize the features of CAVS IPS-11G.

For JPEG, BMP, and GIF photo files, store the files under a folder named Photos in your USB memory device to maximize the features of CAVS IPS-11G.

For MPEG, MPG, AVI, DAT, VOB video files, store the files under a folder named Videos in your USB memory device to maximize the features of CAVS IPS-11G.

If the folders do not exist, follow the user's manual of your device to create the folders. The folders may have multilevel sub-folder structure for your convenience of organizing the files.

To create a folder in USB memory device, a standard method is to:

- Connect your USB memory device to PC using a USB cable.
- Go to Start and My Computer. You will see your USB memory device as a removable drive. Double click on the removable drive to open.
- Go to Files and New folder. Type in a name for the new folder and press Enter.

To create a folder in iPod®,

- Connect your iPod® to PC and wait for the iTunes® program to begin.
- In iTunes® program, click on your iPod® under DEVICE.
- Click on the Summary tab and check the "Enable disc use" in Options.
- In Windows, go to Start - My Computer in your PC. You will see your iPod as a Removable drive in the list.
- Double click on the Removable drive to open. Go to Files and New folder, and type in a name for the new folder and press Enter.

Next, copy all files of your choice from PC to the new folder.

CAVS IPS-11G utilizes your USB memory device, such as iPod or MP3 player, as data storage. It has its own multimedia processor and it accesses your device to play the files of photos, music, videos, and karaoke. That is why your device may not be video capable or even audio capable, but when connected to CAVS IPS-11G, it becomes a home theater and karaoke entertainment center. It plays DVD movies and Karaoke sing along with lyric display. The number of movies or karaoke songs that can be stored in your USB memory device will depend on the data capacity of your device.

For iPod®, the MP3 and Photo files may also be stored using iTunes® program. Please refer to Sections 6.1 and 6.2 for the instruction on how to play the MP3 and Photo files stored through iTunes® program.

7 Karaoke


CAVS IPS-11G is specially designed to play karaoke songs of MCG-MP3 format stored in your USB memory device. There are thousands of karaoke songs of MCG-MP3 file format available for download at www.ipskaraoke.com. You can also use the IPS Manager program to extract karaoke songs of MCG-MP3 file format from CD+G karaoke discs commonly found at any local or online karaoke stores. IPS Manager program is included in CAVS IPS-11G package.

7.1 MCG-MP3 karaoke files

The MCG-MP3 files can be downloaded from www.ipskaraoke.com or extracted from CD+G karaoke discs.

To download the MCG-MP3 files,

- Go to www.ipskaraoke.com and purchase the karaoke song of your choice.
- Download the song file and save them into your PC.
- In your PC, double click on the song file to unzip the file into MCG-MP3 file. The MCG-MP3 file "xxxxxxx-mcg.mp3" will appear, where "xxxxxxx" indicates a unique identification number for the song and "mcg" indicates the compatibility to CAVS IPS-11G.

 If you are using Windows XP, the Winzip program for unzipping files is included in your PC. If you are not using Windows XP, use Tugzip or Winzip program available for download in the Internet.

To extract the MCG-MP3 files from CD+G discs,

- Go to www.ipskaraoke.com and download the IPS Manager program to your PC.
- Install the IPS Manager program and start.
- Click on Help button in IPS Manager program and follow the instruction to extract the MCG-MP3 files from CD+G karaoke discs in your PC.

7.2 Transferring Karaoke files

The MCG-MP3 files can be transferred from PC to your USB memory device through USB cable.

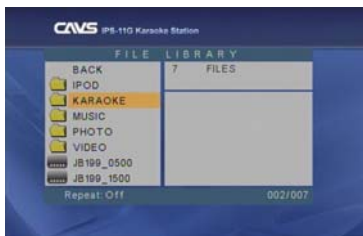
- Connect your USB memory device, such as iPod® or MP3 player, to PC using USB cable.
- Go to Start and My Computer, and you will see your USB memory device as a Removable drive. Double click on the Removable drive to open. You can create a new folder in your USB memory device to store the karaoke song files.
- Copy the MCG-MP3 files in PC to the Removable drive of your USB memory device.
- Close the Removable drive of your USB memory device.
- Go to Start and My Computer, and right click on the Removable drive of your USB memory device. Click on Eject. Your USB memory device can now be removed from PC.

For iPod®, you can use the iTunes® program to transfer the MCG-MP3 files from PC. Simply treat the MCG-MP3 files as standard MP3 files and use the iTunes® program to load the files into your iPod®. The MCG-MP3 files will be loaded into folders designated by iPod® (not into a folder of your choice). To play the MCG-MP3 files loaded by iTunes® program, see Section 7.3.

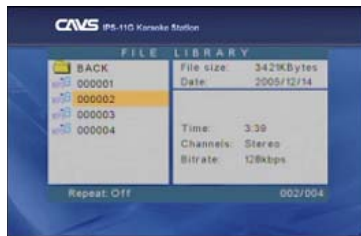
7.3 Playing Karaoke files

To play the MCG-MP3 karaoke files in your USB memory device,

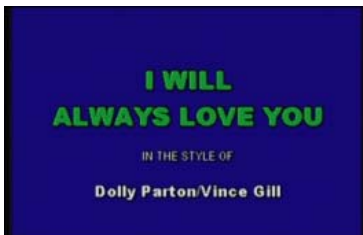
- Connect your USB memory device to CAVS IPS-11G.
- From the Main menu, go to Files mode.
- Select the folder containing karaoke song files.
- The MCG-MP3 karaoke files will appear in the TV screen with special MP3+G logo.
- Use the ▲/▼ keys to select a file and press ENT key to play.



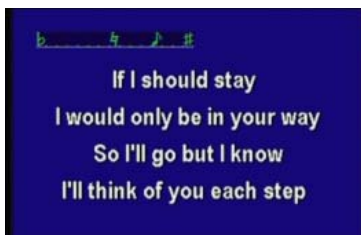
Example of file library screen



Example of karaoke file library screen



Example of karaoke playback screen



Example of Karaoke key control screen

For iPod®, if you have stored the MCG-MP3 files using iTunes® program,

- Connect your iPod to CAVS IPS-11G.
- From the Main menu, go to Files mode.
- Go to iPod-Control, Music, and Songs folders. "MUSIC" message will appear and regular MP3 song files will be listed on TV screen.
- Press SEARCH button on the remote control. "Karaoke" message will appear and the MCG-MP3 song files will be listed on TV screen.
- Select a karaoke song file and play.

Remote control keys in Karaoke play

- ESC : Stop the playback or go back to the previous menu.
- ENT : Select a highlighted menu or play a highlighted file. Press to pause during playback.
- KEY UP / KEY DN: Raise or lower the key (pitch) level of music.
- TEMPO UP / TEMPO DN: Increase or decrease the tempo (speed) level of music.
- AUDIO: Select from LEFT / RIGHT / STEREO music channels. When playing a multiplex karaoke song file, AUDIO key will turn on / off the voice cancel feature.
- DISPLAY : Show the file information during playback. Press again to cancel.
- VOL(+/-) : Adjust the volume level.

7.4 Song Search and Program

Storing of MCG-MP3 files in a folder allows you to browse and select the songs under the FILE LIBRARY menu. You can use the ◀▶ or ◀◀▶▶ keys to browse the song files up / down by line or page. Up to 500 songs can be viewed in the FILE LIBRARY per folder.

Enabling INX menu in a karaoke folder provides the convenience of:

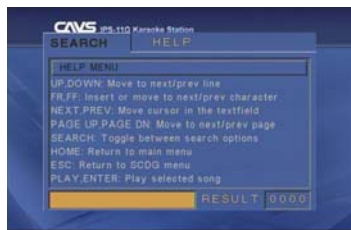
- Display up to 10,000 songs per folder.
- Search by song number, title, or singer.
- Program up to 10 songs.

To enable INX menu, simply make a list file, named ENGLISH.inx, and insert it in the karaoke folder. The instruction and program for making the ENGLISH.inx list file is given at www.ipskaraoke.com. Also when making the ENGLISH.inx list file, a printable song list JUKE.txt in text format will be generated. You can edit and print the JUKE.txt song list in your PC for your convenience.

If the ENGLISH.inx file is inserted in the karaoke folder and the folder is selected, Karaoke Search menu will automatically appear in the TV screen.



Example of Karaoke Search menu



Example of Karaoke Help menu



Example of Search by Title menu



Example of Search by Singer menu


At Karaoke Search menu, input a song number using NUMERIC keys, or press the ◀/▶ keys to browse through the songs. For each song number, the song title will appear on the display. Press ENT key to start playing.

At Karaoke Search menu, press SEARCH key to further select from HELP / SEARCH BY TITLE / SEARCH BY SINGER menus. HELP menu will display the instruction on how to search.

In SEARCH BY TITLE menu, use the ◀/▶ keys to select the first character of your search. Next use the ◀◀/▶▶ keys to change the cursor position, and use the ◀/▶ keys to select the second character of your search. Songs with matching characters will be displayed. You can continue to specify more characters to narrow the list of matching songs. Or use the ▲/▼ or PAGE DN / PAGE UP keys to select a song in the displayed list and press ENT key to begin playing.

At SEARCH BY SINGER menu, use the ◀/▶ keys to select the first character of your search. Next use the ◀◀/▶▶ keys to change the cursor position, and use the ◀/▶ keys to select the second character of your search. Singers with matching names will be displayed. You can continue to specify more characters to narrow the list of matching singers. Or use the ▲/▼ or PG DN / PG UP keys to select a singer in the displayed list, and press ENT key. Next, you will see the songs of the selected singer in the display. Use the ▲/▼ or PG DN / PG UP keys to select a song, and press ENT key to begin playing.

During playback, you can select and program up to next 10 songs. Simply input a song number using NUMERIC keys and press PROGRAM key. The programmed song number will appear at the bottom of the screen. The display of programmed songs will automatically disappear in 5 seconds. To display the list of programmed songs again, press PROGRAM key.

 To exit a folder with INX (Karaoke Search) menu, press HOME key.
You can have a multiple folders, each with INX menu and karaoke files.

Remote control keys in INX menu

- ESC : Stop the playback or go back to the previous menu.
- ENT : Select a highlighted menu or play a highlighted file. Press to pause during playback.
- HOME : Exit from INX menu and return to the Main menu.
- SEARCH : Select from HELP / SEARCH BY TITLE / SEARCH BY SINGER menus.
- ◀/▶ : Select an alphanumeric character.
- ◀◀/▶▶ : Change the cursor position to input a character during search.
- 1, 2, ...0 : Input a song number.
- PROGRAM : Reserve up to 10 songs. Only work during playback.

7.5 Using microphones

CAVS IPS-11G Karaoke Station has a built-in dual microphone mixer with volume and echo level controls. To use a microphone in conjunction with CAVS IPS-11G:

- Connect AV (analog audio) out terminal of CAVS IPS-11G to AUDIO IN terminal of your TV or amplifier. Do not use the digital audio output.
- Connect a microphone (included as accessory) to MIC 1 or MIC 2 input connector.
- Adjust the MIC VOL and ECHO control knobs for the microphone volume and echo levels.
- Turn on the power switch located on the microphone handle.

Optional second microphone can be purchased from www.ipskaraoke.com.

8 Firmware update

8.1 Saving firmware


Download the latest firmware for CAVS IPS-11G from www.ipskaraoke.com and save it into your PC. Double click on the downloaded file to unzip it into "klinki2.rom" file. Connect your USB memory device to PC and copy the "klinki2.rom".

8.2 Connecting your USB memory device

Connect your USB memory device to CAVS IPS-11G.
Power off CAVS IPS-11G and power it on again.

8.3 Selecting firmware upgrade menu

Press SETUP key on the remote control to go to the Setup menu. Go to PREFERENCES, UPGRADE MODE and select YES. Exit setup by pressing SETUP key. Firmware updating will start automatically.


 Do not turn off the power during firmware update. If the power is turned off during update, it will causes critical damage to the system.

8.4 Completing firmware update

When update is completed, CAVS IPS-11G will power off automatically. Turn off the POWER switch on the backside of CAVS IPS-11G (POWER key in the remote control will not work).

8.5 Removing your USB memory device

Remove your USB memory device from CAVS IPS-11G. Connect your memory device to PC and delete the "klinki2.rom" firmware that is inside.

 If you don't delete the firmware that is inside your USB memory device, unexpected firmware update may occur in your next connection to CAVS IPS-11G.

8.6 Checking Firmware update

Press SETUP key to go to the Setup menu. Go to PREFERENCES, VERSION MODE and ON to check the firmware version. Press SETUP key to return to Setup menu. Press again to exit Setup menu.



Example of firmware version screen

8.7 Starting CAVS IPS-11G after firmware update

After the firmware update, re-connect your digital device and power on the CAVS IPS-11G.

9 Setup system configuration.

Press SETUP key to go to the Setup menu. Highlight the menu item you wish using ▲/▼ / ◀/▶ keys and press ENT to select.



9.1 PHOTO SETUP

9.1.1 TRANSITION MODE

Select a transition speed in photo playback.



9.1.2 DIGEST STYLE.

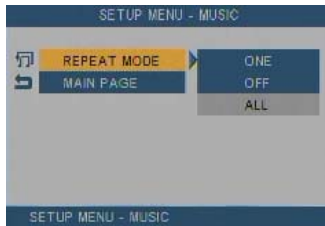
Select the thumbnail matrix style.



9.2 MUSIC SETUP

9.2.1 REPEAT MODE

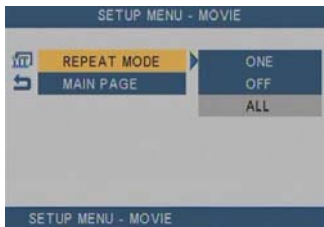
Select the repeat mode in music playback. You can also use the REPEAT key in the remote control.



9.3 MOVIE SETUP

9.3.1 REPEAT MODE

Select the repeat mode in movie playback. You can also use the REPEAT key in the remote control.



9.4 SLIDE SHOW SETUP

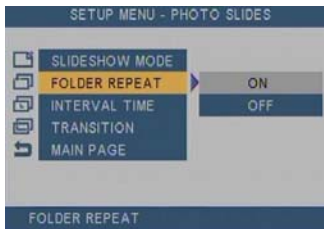
9.4.1 SLIDE SHOW MODE

Select from manual / auto transition. For manual transition, use ◀/▶ or ◀◀/▶▶ keys to move backward / forward. For auto transition, select the time in INTERVAL TIME below.



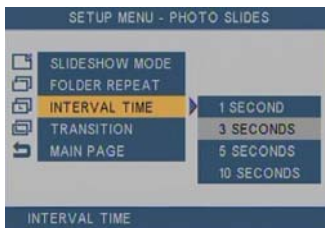
9.4.2 FOLDER REPEAT

Select the repeat mode in photo playback. You can also use REPEAT key in the remote control.



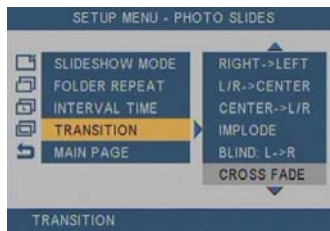
9.4.3 INTERVAL TIME

Select the interval time per picture in photo playback. Interval Time becomes effective only when SLIDE SHOW MODE is set at AUTO.



9.4.4 TRANSITION

Select the style of photo transition in photo playback. You can also use the AV SEL key.

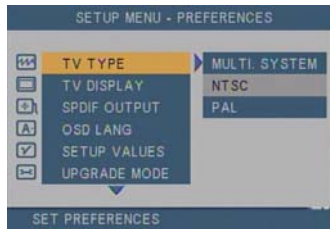


9.5 PREFERENCES

9.5.1 TV TYPE

Select the TV type.

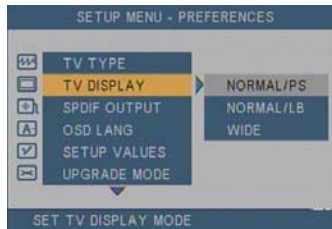
- MULTI. SYSTEM
- NTSC
- PAL



9.5.2 TV DISPLAY

Select the aspect ratio of TV display.

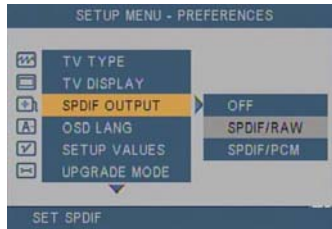
- NORMAL/PS: Normal (4:3) / pan & scan display.
- NORMAL/LB: Normal (4:3) / letter box display.
- WIDE: 16:9 Wide screen display.



9.5.3 SPDIF OUTPUT

Select the type of digital audio output.

- Off
- SPDIF/RAW : Raw signal output
- SPDIF/PCM : PCM modulated signal output.



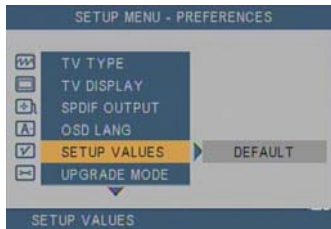
9.5.4 OSD LANGUAGE

Select the language type for On Screen Display.



9.5.5 SETUP VALUES

Reset all settings to the default settings.



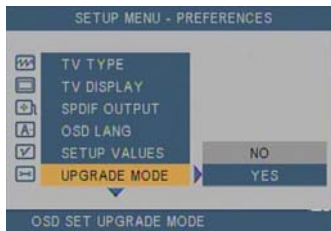
9.5.6 UPGRADE MODE

Select NO / YES to upgrade firmware for CAVS IPS-11G.

- YES: Enable firmware upgrade function. If a firmware is found inside your USB memory device, CAVS IPS-11G will automatically begin upgrading immediately after you exit the SETUP menu. After the upgrading is completed, UPGRADE MODE will automatically return to NO (disabled).

⚠ If the firmware upgrade does not start automatically after exiting SETUP menu, go to FILES icon in the Main menu and press ENT key to start the firmware upgrade.

- NO : Disable firmware upgrade.



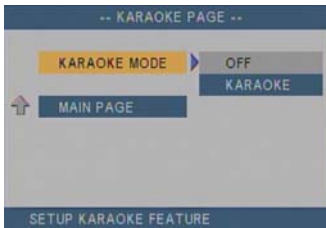
9.5.7 VERSION MODE

Select ON to display the firmware version information. Press ESC to close.



9.6 KARAOKE SETUP

Select OFF / KARAOKE for the karaoke features.



9.7 SPEAKER SETUP

Select LT/RT or STEREO for the analog audio output.



9.8 EXIT SETUP

Select EXIT SETUP to exit Setup menu. Also press SETUP key to exit or press ESC key to return to previous menu.

10 FAQ (Trouble shooting)

Problem	Possible solution
CODEC NOT SUPPORTED message appears on screen.	Check if a selected file is supported by the system. Check your firmware version, and update if new firmware is available.
DIVX DESCRIPTION ERROR	Check if the movie file format is supported by the system.
NO MEDIA DETECTED message appears	Check if your digital device is securely connected to the CAVS IPS-11G USB connector.
Nothing appears on screen	Check if the AV OUT cable is properly connected to TV or receiver's AV input terminal. Make sure they are securely connected.
Snowy picture (image is unclear and snowy)	Check if the correct TV type (NTSC/PAL) is chosen.
The picture is cut off	Check if that the correct TV type (NTSC/PAL) is chosen.
No sound	Check the audio volume. Check if mute is enabled. Check the AV OUT cable connection to TV or A/V Receiver.
Power is turned off while updating firmware	The system is critically damaged. Contact customer service for repair.

Problem	Possible solution
Remote control does not function properly	Keep remote control out of direct sunlight. Check the battery.

*Product specs are subject to change without notice.

LIMITED WARRANTY CAVS IPS-11G Karaoke Station

CAVS USA Inc. warrants this product and all parts thereof, except as set forth below **ONLY TO THE ORIGINAL PURCHASER AT RETAIL** to be **FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP** from the date of original retail purchase for the period as shown below. ("The Warranty Period")

PARTS 1YR	LABOR 90 DAYS
---------------------	-------------------------

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO :

If this products is found to be defective, CAVS will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by CAVS during normal business hours at CAVS authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts there of may be brought to a CAVS authorized service center on a carry-in basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE :

Return your product to a CAVS authorized service center with a copy of your bill of sale. For your nearest CAVS authorized service center, please call : (562) 777-1846.

If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest CAVS Factory Service Center, the name and location of which will be given to you by the phone.

If you have any questions concerning your CAVS Product, please contact our Technical Support Department.

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1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by CAVS to render such service, or if affixed any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed ;
2. Initial installation and removal for repair ;
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4. Damage that occurs in shipment, due to act of God, and cosmetic damage ;
5. Signal reception problems and failures due to line power surge ;
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For customer use :

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model.: _____ Serial No.: _____

Purchase data : _____ Name of dealer : _____

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