

Preparing a USB memory device for CAVS DVD USB players (105G USB, 203G USB, 305G USB)

CAVS DVD USB player is compatible to any USB storage device, such as your iPod®, MP3 player with USB port, USB hard drive, USB memory stick, or USB card reader.

Here is the instruction for preparing a USB storage device for use with CAVS DVD USB players.

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1. Format your USB storage device in FAT32 file system.

- iPod®
 - If your iPod® is formatted for Windows PC, then it is all ready to go.
 - If your iPod® is formatted for Mac, then it must be restored with Windows operating system using iPod® Updater. Go to www.apple.com/support/ipod to download the iPod® Updater and follow the instruction to restore with Windows operating system.
- MP3 player with USB port, USB hard drive, USB memory stick, USB card reader
 - Connect your device to PC. If your device comes with a separate power switch, turn it on and let the device be recognized by the PC. If any pop-up window appears related to your device, close or cancel the pop-up window.
 - Go to My Computer in your PC. Your device should be listed as a hard disk drive or a removable storage device. Right click on the device and select Properties.
 - The window that appears (under General) will show the File system of your device. If it is FAT32, then your device is all ready to go. Click on Cancel to close the window of Properties.
 - If the current File system is not FAT32, but it is FAT, FAT16, NTFS, etc., then you need to format the device as FAT32. Click on Cancel to close the window of Properties.
 - At My Computer, right click on your device again and select Format.
 - In the window that appears, select FAT32 as File system and click on Start.

Warning: Formatting your device will erase all files inside. If you wish to save them, copy the files to another disc drive before proceeding.

- Follow the instruction to complete the formatting.

2. Create folders in your USB storage device

You can create multiple folders in your USB storage device and organize the karaoke songs according to types, genres, singers, etc.

- Go to My Computer and double click on your device to open.
 - Click on File and then New folder. A new folder will be created in the root directory of your device.
 - Type in the folder's name, for example KARAOKE, and press Enter.
5. CAVS DVD USB players can support up to 250 folders. Each folder can have 500 songs if stored under Smart Navi menu program, and 49,999 songs if stored under INX menu program. For more information on INX song list, please go to [4. Store CD+G karaoke songs in your USB storage device.](#)
- To disconnect your device from PC, follow the Safely Remove Hardware procedure of Windows®.

3. Prepare CD+G karaoke songs for your USB storage device.

The CD+G karaoke songs must be in MP3 and MCG file formats for use in your USB storage device. There are two ways to obtain CD+G karaoke songs in MP3 and MCG files:

- You can download the ready made MP3 and MCG files of CD+G songs from www.cdgdownload.com. There are over 35,000 karaoke songs available for download.
 - Go to www.cdgdownload.com and purchase to download a song.
 - Save the downloaded song into your PC.
 - In your PC, if you are using Windows XP, right click on the song and select Extract to.
 - Specify the folder into which the extracted files will be stored, and click on Extract.
 - The MP3 and MCG files of the song will be saved in the folder. You can ignore or delete the CDG files that may also be found in the folder.

If you are not using Windows XP, download and use Tugzip or Winzip program available in the Internet to unzip the song.

- You can make the MP3 and MCG files from your old CD+G disc.
 - Go to www.cavsusa.com/playcdg_home and purchase to download Encoder MCG program.
 - Follow the instruction in the website to install the Encoder MCG program in your PC.
 - Insert your CD+G disc into the disc drive* of your PC.
 - Start the Encoder MCG program and follow the instruction to extract the MP3 and MCG files for each song.

*Disc drive – To extract songs from a CD+G disc, the disc drive in your PC must be CD+G compatible. For a list of CD+G compatible disc drive, please contact techsupport@cavsusa.net.

4. Store CD+G karaoke songs in your USB storage device

For each karaoke song, the MP3 and MCG files must have the same name, for example 00001.mp3 and 00001.mcg, using up to 9 alphanumeric characters.

There are two ways to store the MP3 and MCG files into a folder of your USB storage device:

- Smart Navi

You can store the MP3 and MCG files, up to 500 songs per folder, and rely on Smart Navi operating system of CAVS DVD USB player for the playing of songs. Smart Navi is basically a simple file menu, such as DOS, that will let you browse through folders and see the files inside. You can move your cursor with the directional buttons to a song and press Enter to begin playing. You can also input a song number, which is automatically assigned by Smart Navi, and press Enter to play. The song number is assigned according to the alphanumeric order of MP3 (or MCG) file names inside the folder. For example, a song with 00001.mp3 and 00001.mcg files will be ahead in song numbers than the song with 00002.mp3 and 00002.mcg files, when stored in a same folder.

The advantage of this method is that you simply copy the MP3 and MCG files of songs into a folder of your choice inside your USB device. For the detail instruction on how to play the songs using Smart Navi, see USB memory device operation / Basic operation in [User's Manual](#).

The disadvantage of using Smart Navi is when the number of songs in each folder becomes large. The selecting of songs by cursor or by song number that is based on file names then becomes cumbersome and inconvenient.

- INX (SCDG) menu

To help organize large number of songs in each folder, you can alternatively use INX menu program to play the songs in your USB storage device. To do so, you need to create INX menu file called ENGLISH.inx for each folder. And during the process, the MP3 and MCG files in the folder will be renamed. You will then store the renamed MP3 and MCG files along with the INX menu file inside the folder of your device.

When a folder contains INX menu file inside, the INX menu will automatically pop up in the TV screen each time you enter the folder using CAVS DVD USB player. You can then search for a song by title or singer, program up to 9 songs in queue, and store up to 49,999 songs, rather than 500, in each folder. For the instruction on how to operate INX menu, see Karaoke operations / INX, INX2 Operations in [User's Manual](#).

We now describe the details of creating INX menu file. First we look at the case when song files are downloaded from www.cdgdownload.com. Next we look at the case when song files are extracted from CD+G discs.

- For song files downloaded from www.cdgdownload.com:
 - Download [INXMenu.zip](#) and save it in your PC.
 - In your PC, right click on INXMenu.zip and select Extract to. A pop-up window will appear. Click on Extract.
 - Look for INXMenu.exe file and double click on it to start the INXMenu program.
 - Check "CAVS Songs (from download)".

- Check “Create ENGLISH.inx file”. Check also “Create songlist file (JUKE.txt)” if you wish to have a song list in text format, which you can print for your songbook.
- Press Select Source button to choose the folder containing the MP3 and MCG files of songs downloaded from CAVS.

It is recommended that the MP3 and MCG files are saved in a folder in your PC rather than in your USB device for this step.

- Check “Create a sub-folder INX as the Target” if you wish to store the ENGLISH.inx and renamed MP3 and MCG files in a sub-folder named INX under your Source folder. Otherwise press Select Target button to choose a target folder that will store the ENGLISH.inx and renamed MP3 and MCG files.
 - Press Make button to start the program. Wait for a message “Finished Converting” for completion.
 - When finished, copy the newly created ENGLISH.inx and renamed MP3 and MCG files into a folder, for example KARAOKE, in your USB device. Your USB device is now ready for use with CAVS DVD USB player.
 - You can copy or print the newly created JUKE.txt for a songbook using Word or Excel programs in your PC.
- For song files extracted from CD+G discs
 - Be sure the song files are the MP3 and MCG files extracted using Encoder CDG program of CAVS. If they are of BIN, CDG, or CDG(RW) format, then use the Decoder CDG program available at http://www.cavsusa.com/playcdg_home to convert the files into the MP3 and MCG files.
 - Create a text file LIST.txt using a text editor program, such as Notepad, in the folder containing song files. The text portions which you must type in the LIST.txt file are noted in double quotes “ ”.

```
list.txt - Notepad
File Edit Format View Help
00001|YOU'RE ALWAYS ON MY MIND|SWV
00002|MISSIN' YOU|BRANDY
00003|BE WITHOUT YOU|MARY J. BLIGE
00004|DRIFT AWAY|UNCLE KRACKER
00005|EVERY ROSE HAS IT'S THORN|POISON
```

- Type in “00001” followed by “|” (Shift and \). This is the starting song number, which must be of 5 digits and continued sequentially without skipping.
- Rename the first song files, MP3 and MCG files, as 00001.mp3 and 00001.mcg matching the song number. This is critical for the creation of INX menu.

There is a useful program [Winrename](#) that can help you in renaming files. It is available as a free-try software.

- Type in the title of the first song, for example “You’re always on...”, followed by “|” (Shift and \). Next type in the singer name, for example, “SWV”.
 - Continue to the next line with the song number “00002” and repeat the procedure above.
 - Complete the LIST.txt file for all the song files in the folder. Save the LIST.txt in the folder.
- Download [INXMenu.zip](#) and save it in your PC.
 - In your PC, right click on INXMenu.zip and select Extract to. A pop-up window will appear. Click on Extract.
 - Look for INXMenu.exe file and double click on it to start the INXMenu program.
 - Check “Other Songs (from CD+G discs)”.
 - Check “Create ENGLISH.inx file”.
 - Press Select Source button to choose the folder containing the MP3 and MCG files.

It is recommended that the MP3 and MCG files are saved in a folder in your PC rather than in your USB device for this step.

- Check “Create a sub-folder INX as the Target” if you wish to store the ENGLISH.inx and renamed MP3 and MCG files in a sub-folder named INX under your Source folder. Otherwise press Select Target button to choose a target folder that will store the ENGLISH.inx and renamed MP3 and MCG files.
- Press Make button to start the program. Wait for a message “Finished Converting” for completion.
- When finished, copy the newly created ENGLISH.inx and the MP3 and MCG files into a folder, for example KARAOKE, in your USB device. Your USB device is now ready for use with CAVS DVD USB player.
- You can copy or print the LIST.txt for a songbook using Word or Excel programs in your PC.

