

**Div@-S64**

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# **User's Guide**

**Div@-S64**

**The portable MP3/WMA/Voice files player using the flash memory and SmartMedia card.**

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# Chapter 1

## Connecting your Div@-S64<sup>â</sup> to a PC

This chapter describes how to connect your **Div@-S64<sup>®</sup>** player that uses its on-board 64MB flash memory and a SmartMedia card to a PC. This allows you to transfer MP3/WMA/Voice files and/or data files between your **Div@-S64<sup>®</sup>** player and your PC.

1. System information
2. What's in the **Div@-S64<sup>®</sup>** box
3. Using the Battery compartment
4. Battery status
5. Connecting your **Div@-S64<sup>®</sup>** player to a PC

## 1. System Information

The minimum system requirements for your computer:

- Windows 95/98
- Pentium 133MHz or faster
- 100% USB Protocol compatible port
- CD-ROM drive
- 10MB free hard disk space
- 32MB RAM

You will need more hard disk space depending on the size of the MP3/WMA/Voice files you want to use.

## 2. What's in the Div@-S64<sup>®</sup> box?

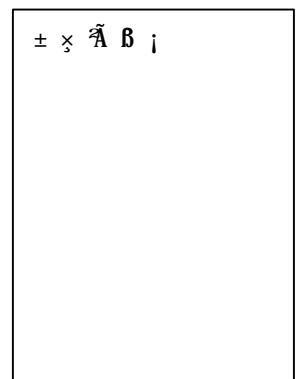
The **Div@-S64<sup>®</sup>** package comes with several extra components. Please check to be sure all the following items came in your box.



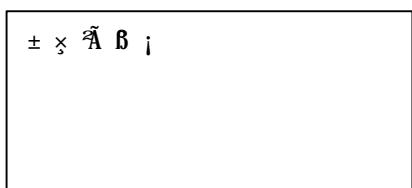
**Player**



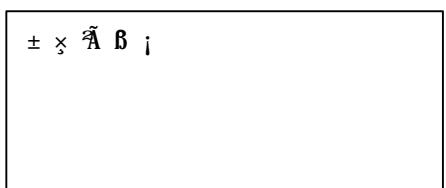
**USB Cable**



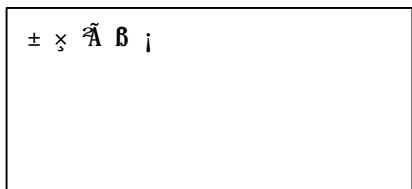
**Earphone**



**1.5V AA Battery**



**Install CD**



**User's Guide**

- **Div@-S64<sup>®</sup>** player (1)

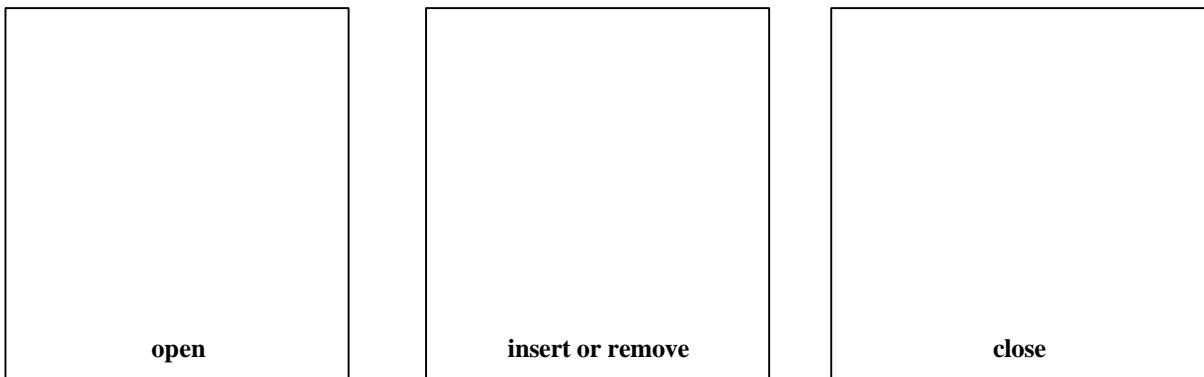
- USB cable (1)
- Earphone (1 pair)
- AA size 1.5V Alkaline battery (1)
- Installation CD (1)
- User's guide (1)

### 3. Using the battery compartment

The battery lid is located on the bottom of the player. Push the battery lid out and then up to open the battery lid.

The supplied battery is an AA size 1.5V Alkaline battery. Insert the battery into the slot in accordance with positive and negative symbols matching those of the battery.

### Battery lid operation



**Note:** You may use any 1.5V AA size batteries. Use of an Alkaline battery is recommended for more playback time.

### 4. Battery status

This is the three-level gage for battery level indicates. This icon has 5 states in display battery level. Below table is brief state description of battery level and display.

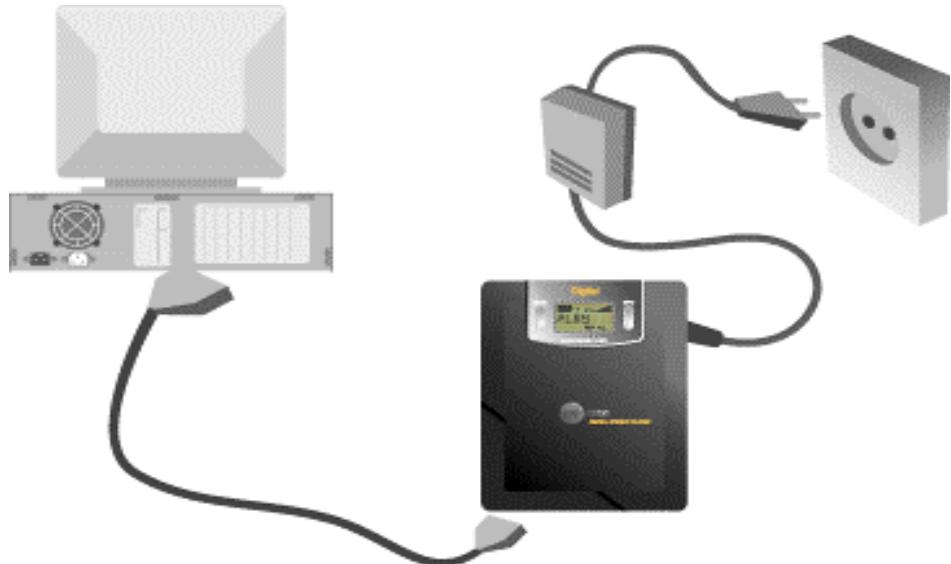
State	Display	Comment
Full		Battery full
2/3		Battery 2/3
1/3		Battery 1/3
Empty		Battery empty
Battery Low		Blink battery icon frame

Battery state and display

### 5. Connecting your Div@-S64<sup>â</sup> player to a PC

To complete setup, you should connect the **Div@-S64®** player to your computer.

- Locate the supplied USB cable and compare the two ends of the cable. One end of the cable has the larger connector and the other end has the smaller connector.
- Match the end of the larger connector to USB port on the back of your computer, and then plug the other end into the jack below the left side of the **Div@-S64®** player.
- AC/DC adapter to connect to the **Div@-S64®** player using a wall outlet is optional. If you want to use a DC adapter, it should be a 3V 300mA DC adapter.



# **Chapter 2**

## **How to install the software**

This chapter describes how to install Div@-S64 Manager software. Div@-S64 Manager is the communication software that allows your computer to share information with your DIV@-S64. In order for your player to work properly, Div@-S64 Manager software must be installed correctly under Windows 95 /98 or Windows 2000.

1. How to set up Div@-S64 Manager software
2. How to uninstall Div@-S64 Manager

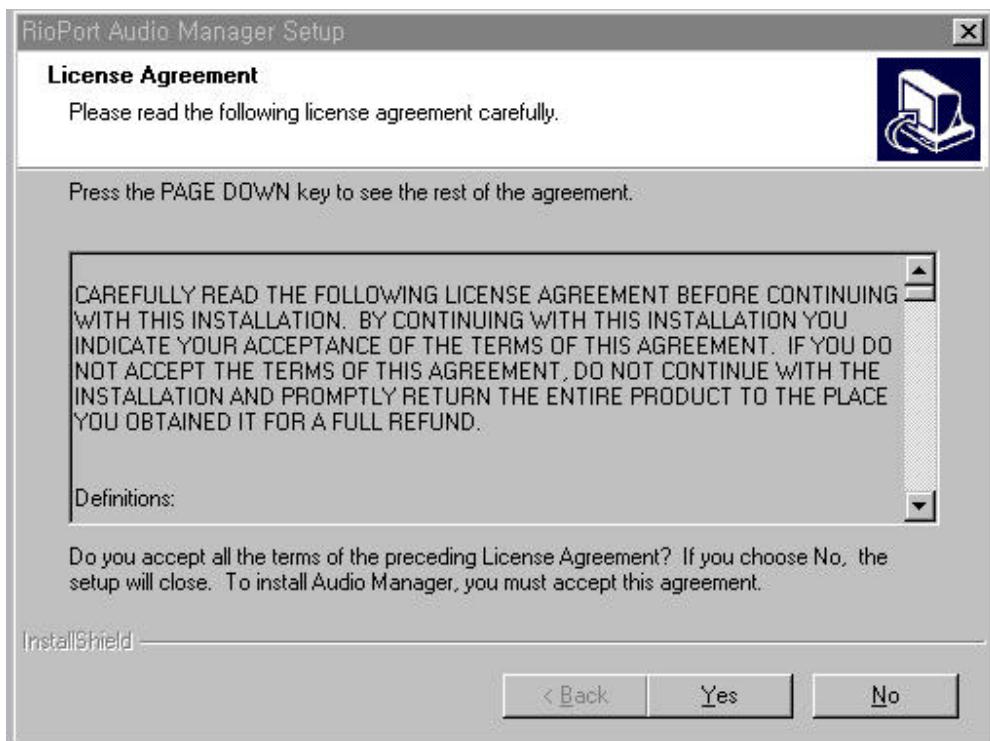
## 1. How to set up Div@-S64 Manager software

If the DIV@ player is not recognized by Div@-S64 Manager software after installing Div@-S64 Manager software,

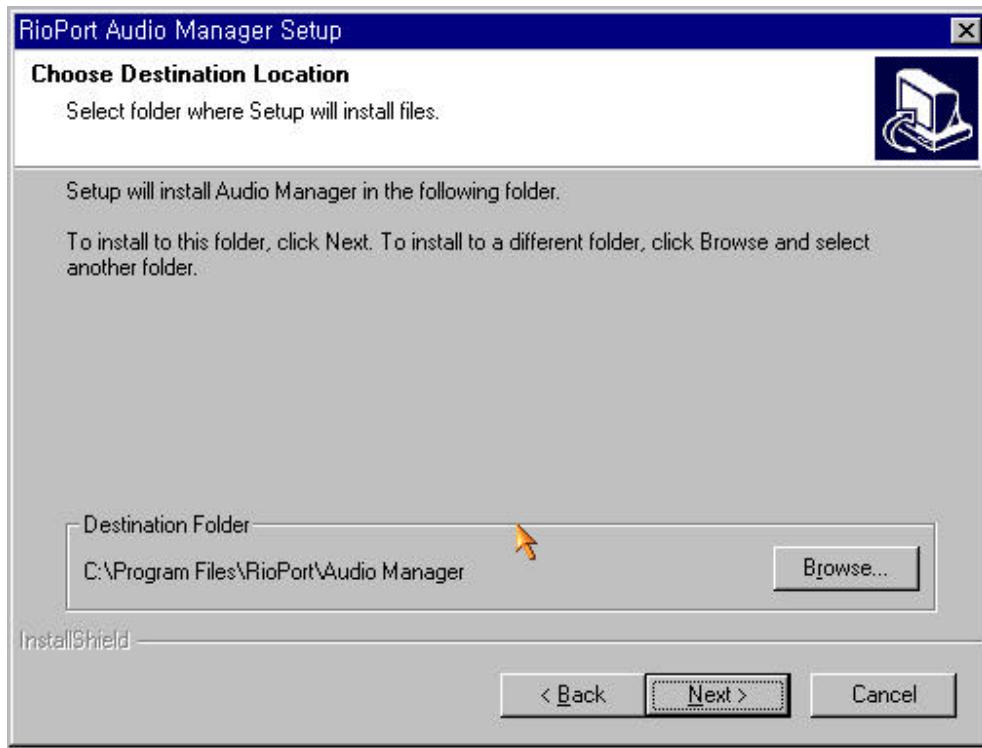
Installation instruction for Div@-S64 Manager software is described as follows:

1. Insert the installation CD into your CD ROM drive (say "D:\\" is the name of your CD ROM drive). The setup file for the English version of Div@-S64 Manager software is located in the "D:\\" folder.

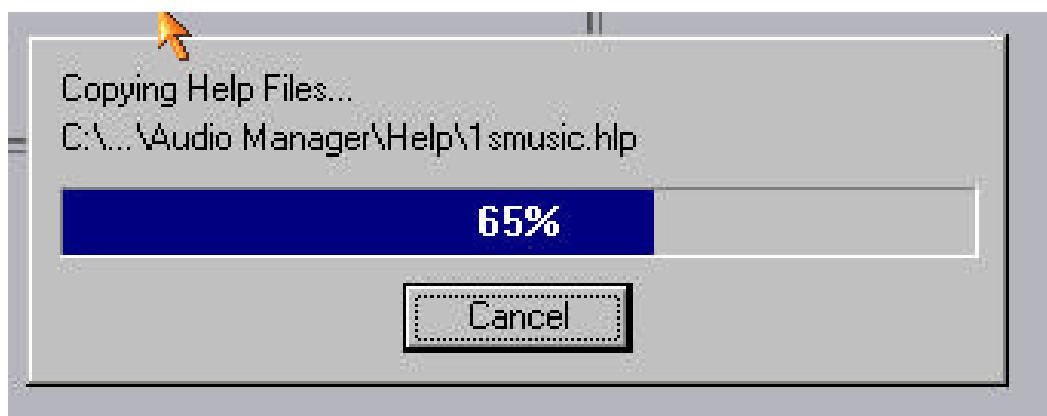
2. "SETUP.EXE" is the setup file for the "Div@-S64 Manager" software. Now, enter "d:\setup.exe" where "d:\\" is the folder containing the "SETUP.EXE" file on your CD ROM drive. Pressing the OK button will start Div@-S64 Manager software installation.



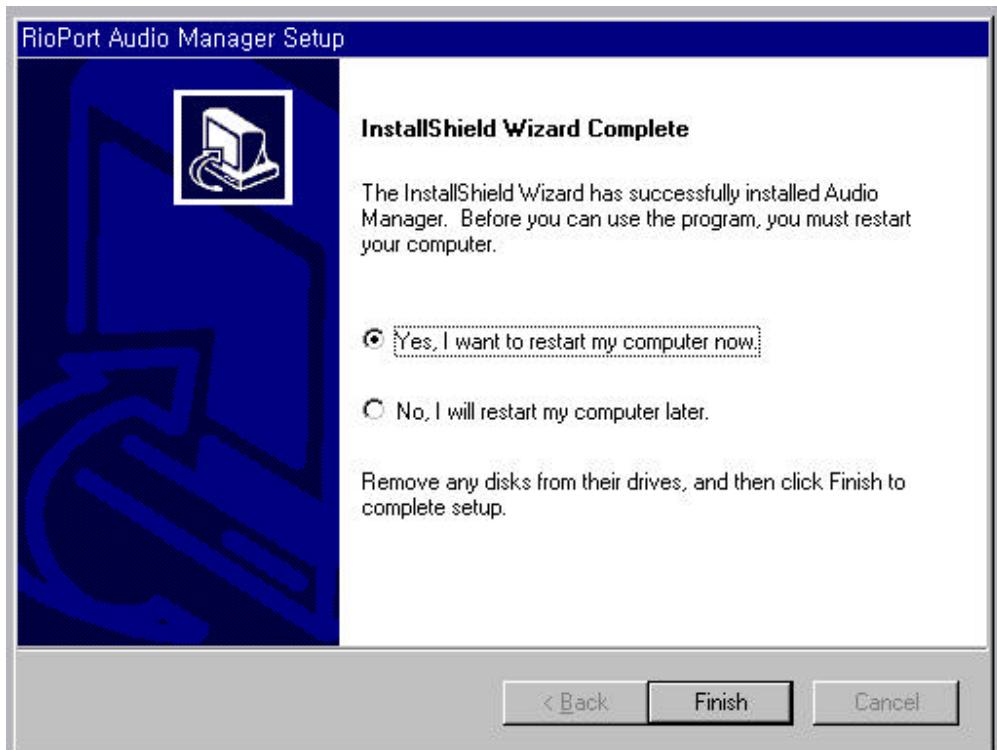
From the "License Agreement" dialog box, click the "Yes" button to continue the software installation.



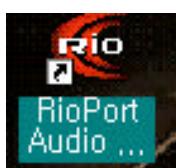
2. If you want to change the destination directory to another directory other than the default in the dialog box, click the "Browse" button to select the directory where you wish to copy Div@-S64 Manager files.  
Now, click the "Next" button to continue installation.
3. You can click the "Back" button to re-configure the installation information. To continue installation, click the "Next" button to start copying necessary files into the installation directory.



4. Wait until the Div@-S64® Manager copies the necessary files.



- Now, click the "Finish" button. This will finish Div@-S64 Manager software setup.  
Note: If your system had an old version of the comctl32.dll file in the Windows System folder, the file will be replaced with a new version and you will have to restart your system to run the Manager software properly.
- The "Div@-S64" item will be created in the "/Start/Program/ Div@-S64" menu on the Windows menu bar and an "Div@-S64" icon will be created on your Windows desktop.
- You can start Div@-S64 Manager by either clicking Div@-S64 item in the "/Start/Program/ Div@-S64" menu or clicking Div@-S64 icon on the Windows desktop.



## 2. How to uninstall Div@-S64 Manager

To uninstall Div@-S64 Manager software, select the "/Start/Programs/ Div@-S64 /Uninstall" item on the

Windows menu bar. This will remove all Div@-S64<sup>®</sup> files from Div@-S64 folder.

# Chapter 3

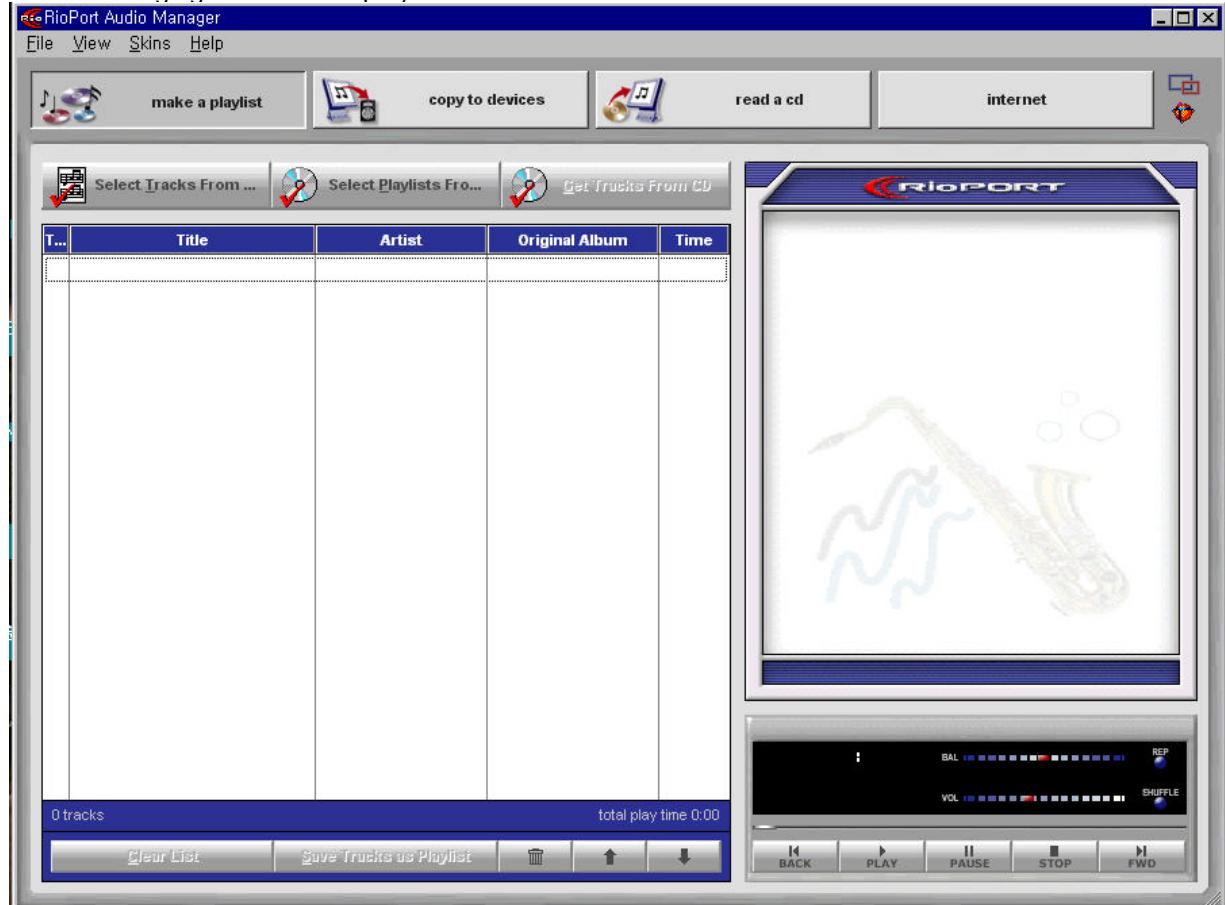
## How to use Div@-S64 Manager software

The Div@-S64 Manager is the software that interacts with Div@-S64 player and a PC. MP3 files or any data files can be downloaded to the player. However, you can upload only the data files to a PC from the Div@-S64 Manager

1. Opening Div@-S64 Manager
2. Div@-S64 Manager description

## 1. Opening Div@-S64 Manager

1. Double click on Div@-S64 icon on the Windows desktop or select the Div@-S64 item on the Windows menu bar.
2. Following figure will be displayed



3. **make a playlist** : listen to music and make play list
4. **copy to devices** : download music from your computer to your portable player
5. **read a cd** : copy music from your CD to your harddisk
6. **internet** : use the internet to find and buy hot new music

## 2. Div@-S64 Manager description

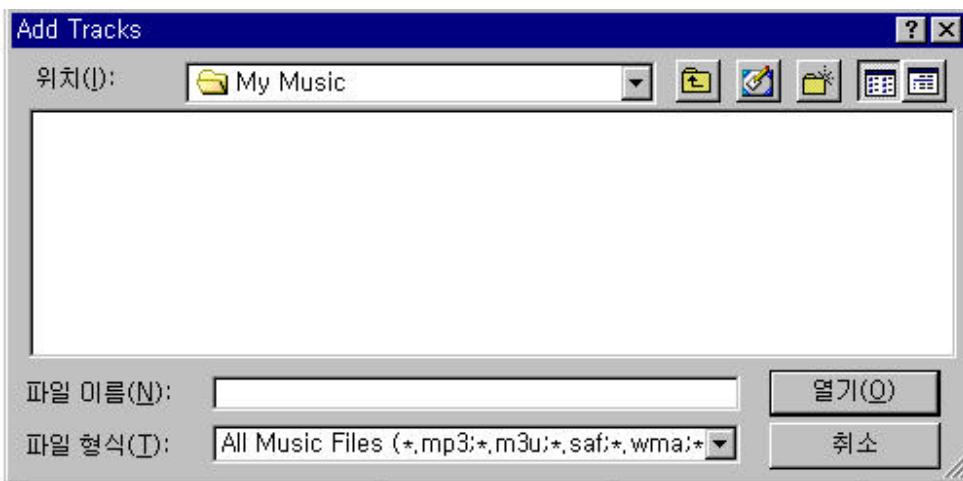
The following figure shows how Div@-S64 Manager software looks like. Each function is explained below.

### 2-1 "File" button



2-1-1. Search Hard Disks for Tracks : add tracks as searching all music files in harddisk of your PC

2-1-2. Add Tracks.:ad tracks from your directory

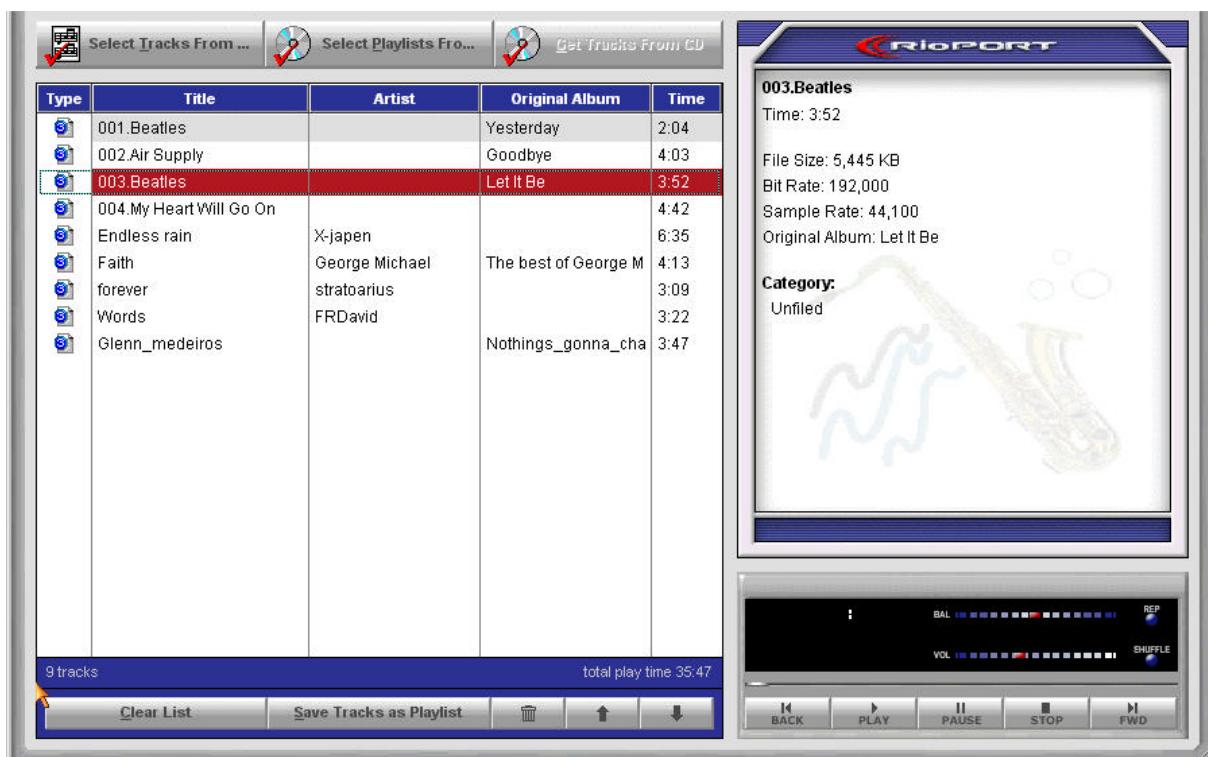


2-1-3. Exit: exit from Div@-S64 Manager software

### 2-2 "View" button

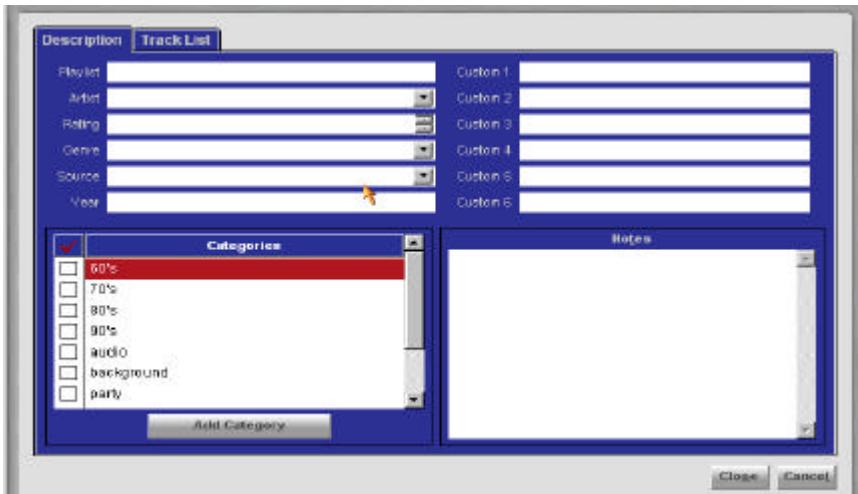


## 2-2-1. Make a Playlist:

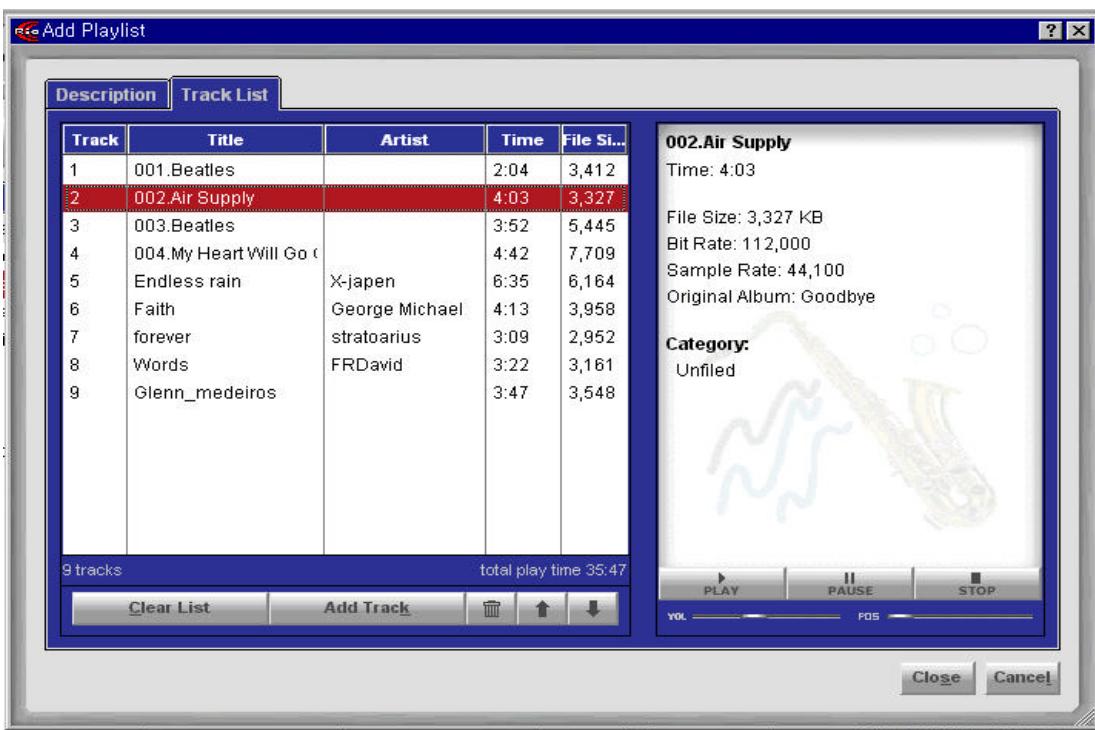


- Type : show the type of File as an icon
- Title : the name of the song
- Artist : artist of the song
- Original ALBUM:
- Time : playing time
- Clear List: remove all tracks from the play list
- removed the selected track from the list
- move the track up one position in the list
- move the track down one position in the list

- Save Tracks as playlist: playlist : save the current playlist as a named playlist

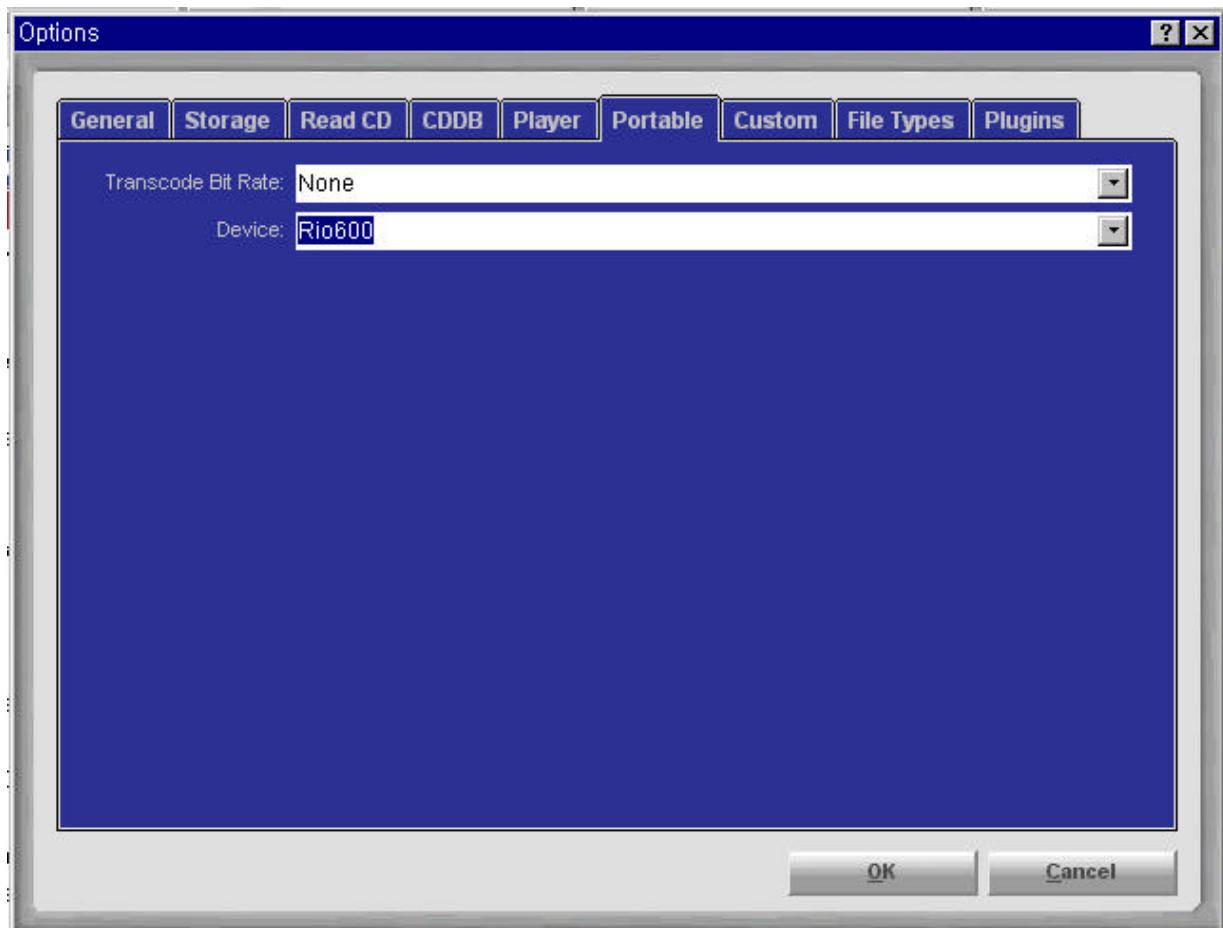


- track list : get information of the tracks



## 2-2-2. GO to Web

## 2-2-3 OPTIONS



- Use the Options dialog box to personalize your Audio Manager settings. To open the Options dialog box, select Options from the View menu or press F10 on your keyboard. To edit the options, click the appropriate tab. When you have made all of your changes, click the OK button to save your changes and close this dialog box. To discard the changes you have made and leave the options as they were set previously, click the Cancel button.

### General tab

- Use the General tab to set general application options for Audio Manager.
- Show tool tips: If you want to see a brief description of an object, such as a button or field, when you point to an object, check this box. If you don't want to see this description, clear this box.
- Add track to database when track file is downloaded. When Audio Manager is running, it can monitor your hard drive and prompt you to add newly downloaded or copied tracks to your Database. To use this feature, check this box. If you do not want the software to monitor your hard drive, clear this box.
- Tab Size: From the drop-down list, select the tab size you want to use for displaying the Playlist, Devices, Write a CD, Read a CD, and Go to Web tabs at the top of your window.

- Temp Directory: Audio Manager uses a directory to temporarily store files when it is performing various operations. By default, it uses the same Temp file Windows uses (c:\Windows\Temp). To change this directory, type the full path of the directory where you want to store temporary files. You can also click the ellipsis button (?) to the right of this field to browse for a directory.
- Reset all don't Show This Again?flags: If you have checked the Don't Show This Again box on any special dialog boxes and want that dialog box to appear again, click this button. This resets all of the special dialog boxes.

### **Storage tab**

- Use the Storage tab to set the options for storing tracks you record from CDs and for adding tracks to your database.
- Track Directory: During the installation of Audio Manager, you specified the directory where you wanted recorded audio files stored. To change this directory, type the full path of the directory where you want to store recorded audio files. You can also click the ellipsis button (?) to the right of this field to browse for a directory. Important: This option must be implemented before any tracks are recorded from a CD. If you specify a different directory after you have already recorded from a CD, Audio Manager will keep the tracks together?in the original specified directory. Individual tracks from a CD will always be filed in the same directory. If, however, you record from a different CD, Audio Manager will use your newly specified track directory.
- Output File Format: From the drop-down list, choose the format you want Audio Manager to use when recording tracks from your CDs to your hard drive. The file name for the recorded track will be in this format.
- Replace space with underscore: When Audio Manager records tracks from CDs, it can replace any spaces in the audio file name with underscores. For example, it can change my favorite song.mp3?to my\_favorite\_song.mp3? If you want to replace spaces with underscores, check this box. If not, clear the box.
- Create directory for playlist: When you record from a CD, Audio Manager can create a subdirectory (in the Track Directory specified above) in which to store all tracks recorded from that CD. If you want to create this subdirectory for each CD, check this box. If you would rather store all of the tracks that you record from CD in your Track Directory without a separate subdirectory for each CD, clear this box.
- Create playlist from track directory name: When tracks are added to the database, Audio Manager can create a playlist from them. The playlist name appears in your Playlist database. For example, if you added all of the music files from the directory c:\party songs, a playlist would be created called party songs?and it would contain all of the tracks in that directory that you added. If you would like for Audio Manager to do this, check this box. If not, clear the box.

### **Read CD tab**

- Use the Read CD tab to specify settings to use when reading and recording from an audio CD
- Drive: From the drop-down list, select the letter of the CD drive from which you want to read or record. Audio Manager automatically detects all of the CD drives installed on your computer.
- CD Read Method: From the drop-down list, select the method you want to use to read CDs. Digital (VxD) reads tracks straight from your CD digitally. Digital (WinAspi) uses software to digitally read tracks from your CD. Analog plays the track from the CD and records it using your sound card. The method that works best depends on your CD drive. If you are not sure which method to use, click the Configure it for me button and Audio Manager will select the best method for your CD drive.
- Configure it for me: Click this button if you want Audio Manager to analyze your CD drive and select

the CD Read Method for you.

- Record file as: From the drop-down list, select the file format you want to use when recording audio files from CD, such as Mpeg (MP3) or Microsoft Windows Media Audio (WMA).
- Bit Rate: From the drop-down list, select the bit rate at which you would like audio files to be recorded. The higher bit rates take up more hard drive space and provide better sound quality, while the lower bit rates require less hard drive space, but provide lower sound quality. It should be noted that you can gain an extra measure of security when you record in .wma format at 160 kbps. Tracks recorded in this format can only be played on the computer on which they were recorded.

- **CDDB tab**

- Use the CDDB tab to set options for using the CDDB Web site to obtain CD information
- CD Database Site: From the drop-down list, select the CDDB Link you would like to use to access CDDB information.
- Update CDDB Site List: Click this button if you want to update the list of Web sites from which CDDB information may be downloaded.
- Always get title from CDDB when CD is inserted: If you always want Audio Manager to connect to the Web and download CD information from the CDDB Web site when you insert a new CD in your drive, check this box. If you would rather be asked whether or not to connect to the Web and download this information each time you insert a new CD, uncheck this box.
- Email address: If you plan to submit information to the CDDB Web site, CDDB requires that you include your email address with your CD information submission. They will use this email address to contact you if there is a problem or question with the information you submit.
- CDDB Link: Click this button to open your Internet browser and navigate to the CDDB Web site.
- For more information about the CDDB, see [What is the CDDB?](#).

- **Player tab**

- Use the Player tab to specify options for the playback of tracks.
- Get license without prompting: Click to check this box if you want to automatically get the license associated with a .wma file. If this box is checked Audio Manager will get the content rights?from the service provider on the Internet without opening a browser.
- Update Rate: From the drop-down list, select the rate at which you want the Audio Manager Players Spectrum Analyzer to update. The Spectrum Analyzer is the display beneath the counter on the Play List window, which provides a graphic representation of the track currently playing. If you are experiencing problems during playback due to strains on your computers processor, you may want to lower this rate. To turn it off completely, select None.
- InterTrust Options: Audio Manager digital music software is MetaTrust Certified ?by InterTrust Technologies Corporation. The MetaTrust ?certification uses InterTrusts digital rights management (DRM) technology. Digital rights management (DRM) technologies protects the rights and interests in digital information. InterTrust Technologies Corporation is a leading provider of digital rights management. InterTrust has developed a general purpose DRM platform that can be used as a foundation for defining rules for using digital information. InterTrusts DRM technology enables content providers to sell, and music fans to purchase, secure digital music over the Internet.
- When you download music that is Digital Rights Management (DRM) enabled, you will see files that have the file extension of .saf or .mpx. In order to play this media, you must first have your InterRights Point (IRP) software running and be logged on. If you attempt to play the media without being logged on, IRP will start up and prompt you to log on. At the prompt, you will need to enter the username and password you selected when you first installed your InterRights Point software.
- Use a Free Offer if it is available: Check this box if you want to automatically use the free offers from

the content provider. If you have this box checked and begin to play media that is Digital Right Management (DRM) enabled, and has a free offer associated with it, it will begin playing the free offer. If there is no free offer associated with the selected media, the offer Selection? screen will appear. You will then select the method of how you want to play your media.

- Use a Default Offer if it is available: Check this box if you want to automatically use the default offer selected in the default Offer Selection?screen. To access the default Offer Selection?screen, right click on the DRM file and select edit Offers?

- For more information on offers?see Edit Offers.

- Portable tab**

- Use the Portable tab to set options for communicating with a portable player device.

- Transcode Bit Rate: Audio Manager can re-encode tracks as they are transferred to your portable player device. This is especially useful when you would like to fit more tracks on your portable device, and you are not as concerned about the sound quality. From the drop-down list, select the bit rate at which you would like audio files to be re-encoded as they are transferred to your portable device. Keep in mind that audio files can only be re-encoded at a lower bit rate. If you want to leave audio files as they are when you transfer them to the portable device, select “ None?from the drop-down list.

- Portable: From the drop-down list, select the portable player device to which you would like to transfer music files from Audio Manager. This list displays all of the portable devices which Audio Manager detects have been installed on this computer. You may also select autodetect device?and the Audio Manager will scan your computer and look for all installed portable player devices. It should be noted that if both the Rio PMP 300 and the Rio 500 are attached, it will default to the Rio PMP 300.

- Custom tab**

- Use the Custom tab to personalize the names of your six custom fields.

- Custom 1-6: In this field, enter the name of the field, as you want it to appear in the Edit Track and Edit Playlist dialog boxes.

- Write CD tab**

- Use the Write CD tab to specify the settings to use when writing tracks to a CD-R drive.

- Drive: Click the down arrow beside this field to display a list of CD-R drives that are available on your system. There are two types of drives on the market, IDE (Integrated Drive Electronics) and SCSI (Small Computer System Interface). Audio Manager supports them both.

- Write Speed: Click in this drop down box for a list of available writing speeds. Speeds are typically listed as 1X, 2X and up to 8X. The 1X speed is representative of real time. Using 1X speed, a five-minute track will take five minutes to write? but there is also the conversion?factor to incorporate



- converted?to a WAV file and then the WAV file is written?as an audio track on a CD. With the 2X speed, it will take two and a half minutes to write?a five-minute track. If you do not see all the record speeds available, make sure you have a CD-R in the drive and not a CD-RW.
- Configure it for me: Click this button and let Audio Manager test your CD-R drive and configure the maximum speed at which you can write. This test should be performed with a blank CD-R in the drive. If you have a CD-RW in the drive and click the configure it for me?button, Audio Manager will warn you to put in a CD-R. The test will configure your drive to use the highest speed of the media that is in the drive.
- The test is performed without physically writing on the disc. Although you may see a recording speed of 6X listed in the record Speed?drop down box, it may be that the processing power of your computer is not quite up to this. Recording requires a lot of processing power, and it is recommended that you not run other programs while burning a CD. If you encounter problems writing to CD, it is recommended that you reduce your record speed.
- When the test is complete, the results will be displayed and the recommended record speed will appear in the record Speed?field.
- Firmware Revision: Check our Web site for links to your CD-R drive firmware updates. You must make sure your drive is supported and that you have the correct firmware revisions from your drive manufacturer installed on your drive. A list of supported drive will be on our Web site.

- **File Types Tab**

- Select this tab to see the different File Types supported by Audio Manager.
- Check Mark Column. If you would like for Audio Manager to automatically open and run files with these extensions, you can do so by tagging it. To tag a File Type, click and put a check mark in the check mark column beside the file extension. When you put a check mark beside one of these files, you make Audio Manager the default?player for that file type.
- Icon: The icon column shows the icon associated with a particular File Type.
- Extension: The extension column shows what the File Type ends in.
- Description: The description field describes and gives the name of the File Type.
- Once you have selected the file extensions you want to have associated with Audio Manager, click the OK button to save your changes, or click the cancel button to exit without saving your changes.
- Important: Sometimes you may see an (\*) asterisk in the description field beside one of your file types. The (\*) indicates that another program which is running on your computer has removed the association of that file from Audio Manager.
- What this means is that Audio Manager will no longer be the default player for that type of file. Audio Manager will no longer automatically play this file type when you download it or double click on it in Windows Explorer.
- When files you want to be associated with Audio Manager are disassociated by another program, Audio Manager displays a warning, dialog box. The warning message shows you which files have been disassociated and possible reasons why this occurred. If you would like for Audio Manager to always be the default player for these files, click the six Problem?button. The (\*) will be removed and file association returned to Audio Manager. Click the ignore?button if you prefer to have a different application as the default player for these files.

- **Plug-ins tab**

- Use the Plug-in tab to configure your plug-in modules. A plug-in is a small, add-on piece of software that can modify the appearance, sound or operation of Audio Manager.

- Visual: Select this tab to see a list of the plug-ins that change the appearance of Audio Manager. Audio Manager comes with two visual plug-ins pre-installed.
- DSP/Effect: Select this tab to see a list of the plug-ins that modify the sound of Audio Manager. DSP refers to digital signal processing.
- General: Select this tab to see a list of plug-ins that enhance Audio Manager in other ways besides appearance and sound. For example a general plug-in might enable you to control Audio Manager via remote control. You will note, that when you select the General button that the Start and Stop buttons are not available for use. This is because general plug-ins begin automatically when you start Audio Manager.
- Some general plug-ins may be designed with auto play as an option. You can check for this by highlighting a general plug-in and clicking the configure button to activate the screen where you can control the plug-ins parameters.
- Audio Manager comes pre-installed with a general plug-in called Audio Manager Tray Control. It is an auto start plug-in and will automatically display control?icons in your system tray when you start Audio Manager. You can use these controls to start, pause, play previous, play next and stop playing the track in your current Play List.
- Modules: A single plug-in can have a number of different variations. The variations of a plug-in will be displayed in the modules window.
- Start button: Click the Start button to activate a selected plug-in.
- Stop button: Click the Stop button to end a selected plug-in from running.
- Configure button: Click the Configure button to activate the screen where you can control the various parameters of a selected plug-in.
- Get Plug-ins button: Click this button to go to a Web page where there are plug-ins available for download.
- See Plug-ins for more information.

### 2-3 "skins" button

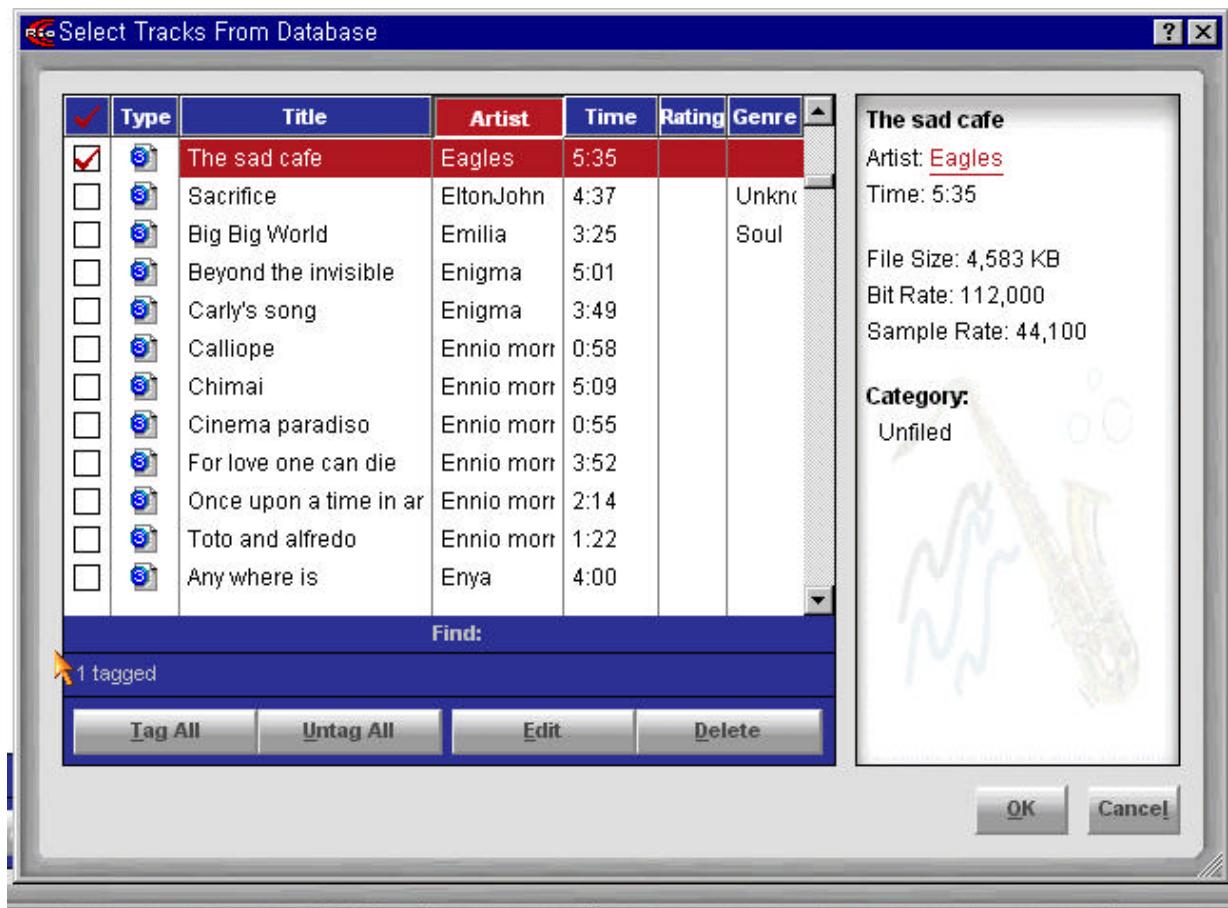
- Link to more skins: [Link to more skins](#) [SRIOPORT HOMEPAGE](#)



- COLOR Schemes: select soft program color such as jules, purple Haze, Military
- Small Player Skins : set play program into small



## 2-4 Select Tracks from Database



click the track you want with mouth , and then click "OK" button

# Chapter 4

## How to use your Div@-S64<sup>â</sup> player

The operation of the **Div@-S64<sup>®</sup>** player is described in this chapter.

1. **Div@-S64<sup>®</sup>** player overview
2. Display panel
3. **Div@-S64<sup>®</sup>** player operation
4. How do I replace the SmartMedia card?

## 1. Div@-S64<sup>â</sup> Player Overview

The following illustration shows the various parts of the **Div@-S64<sup>â</sup>** player. Its features and functions are described below.

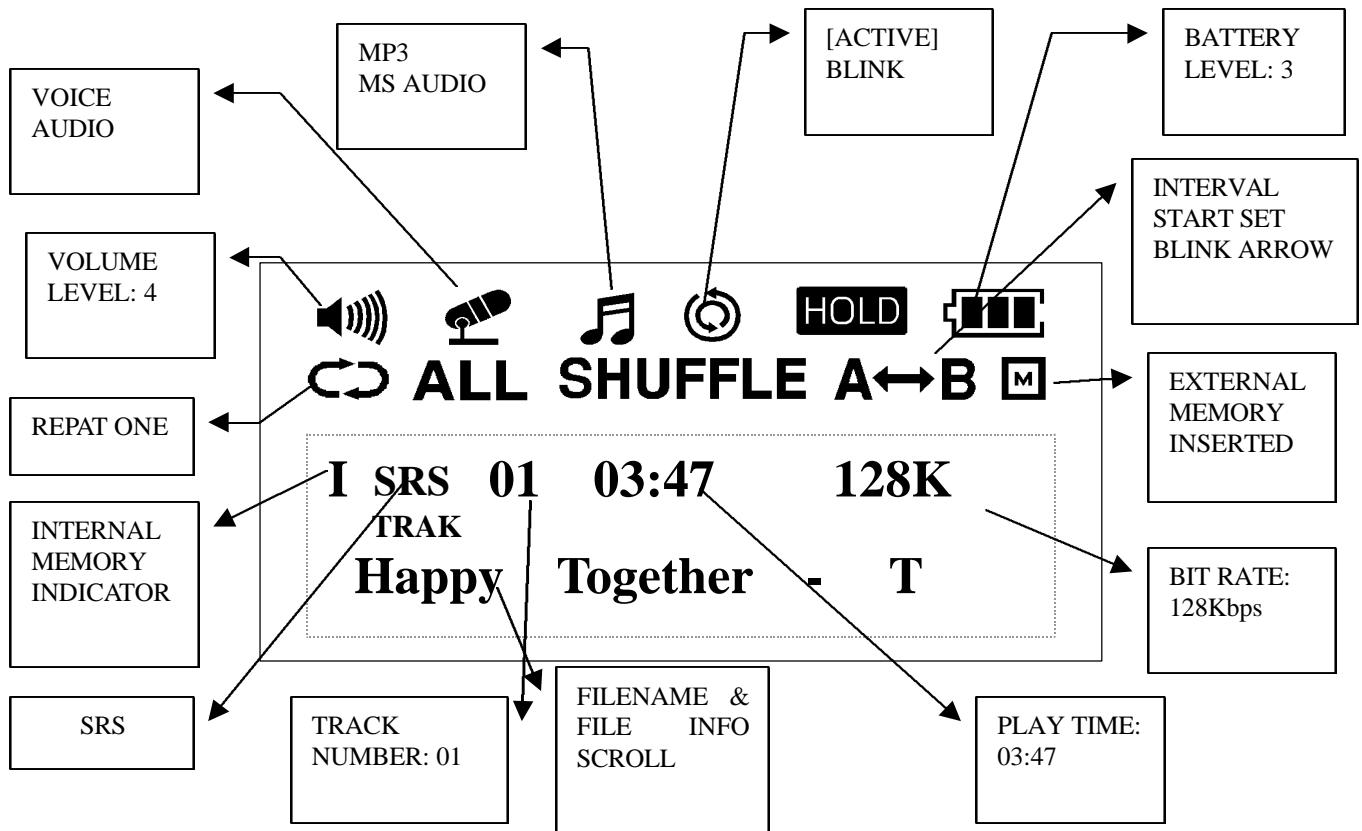


1. The "Hold" switch locks all buttons and turns off the power.
2. The earphone jack is connected to earphones, headsets, or amplified speakers.
3. The "MIC" is used for voice recording.
4. The display panel shows the battery status, volume level, file and mode information.
5. The "REC" button goes to voice record mode
6. The "A | B" button sets interval start.
7. The "Play" button will start or pause the playback of the selected files and turn on the power.
8. The "Stop" button will stop the playback of the selected files and turn off the power.
9. The "backward" button will select the previous files.
10. The "fast forward" button will select the next files.
11. The "LED" indicates that file is playing.
12. The "multi +,-" button decreases or increases the volume output level and shows Repeat, Shuffle, EQ, Mega Bass.
13. The "USB" port accepts a USB plug.
14. The "brower" button display memory information.
15. The "DC Jack" is connected to DC Adapter.

## 2. Display Panel

- ## - LCD display demo

Volume level: 5 File format: MP3  
[HOLD ON] state Battery level: 3  
Repeat mode set: [Repeat One] Shuffle mode set: [SHUFFLE]  
Interval play set: interval play start set only External memory: Inserted  
( ready to set interval end set )  
File name: Happy Together-The Tur  
Current play time: 03:47 Mp3 file bit rate = 128Kbps



### 3. Div@-S64 player operation

After you have transferred the MP3/WMA/VOICE files onto your **Div@-S64** player, you are ready to take it anywhere you want and enjoy high quality MP3/WMA/VOICE sound. The following describes how to operate the **Div@-S64** player.

- **POWER STATE**

### 1. Power Off State

No operation when slide switch is at “power off” position.

When user clicks the “power on” button, which slide switch is positioned at HOLD ON, display “HOLD ON” during 5sec then power off.

When user clicks the “power off” button at the STOP Mode, device is power-off.

### 2. Power On State

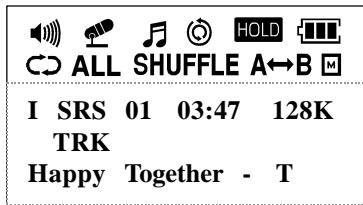
When user clicks the “Power on” button(PLAY Key), which slide switch is positioned at HOLD OFF. In [HOLD ON] or [HOLD OFF] state of HOLD Key

Battery insertion with [HOLD ON]/[HOLD OFF]/[POWER OFF] key [HOLD ON] or [HOLD OFF] state will cause system reset. Also [HOLD ON]/[HOLD OFF]/[POWER OFF] key turn to [HOLD ON] state will cause system reset. When system reset, Div@-S64 enter to system initialize process.

Div@-S64 do many works in system initialization process. Battery check, Memory initialize, track information check and other system initialization. User can see memory information in this process. Figure x.x is this information. Internal memory is 64MB and external memory is 64MB. Memory information displays for 1 second and goes to STANDBY mode.

- **How to play MP3/WMA/VOICE files**

1. Press the “Play” button once to turn the player on. Press the “Play” button again to start the playback. You can press the “Play” button again to pause the playback. During the playback, the display panel will show Music icon, the file's track number, playback time and its bit -rate, file name as shown in the following figure.



“03:07” indicates that the third MP3/WMA/VOICE file in the **Div@-S64** player has been played for 3 minutes and 47 seconds.

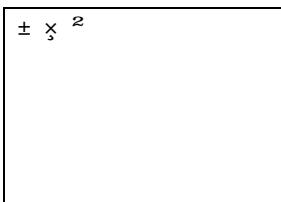
The colon “:” separates the minute and second. The minute will be displayed in only one digit. If a song exceeds 10 minutes, then only the one's digit of the minutes will be displayed. Thus, the 10 minutes and zero second will be displayed as **0:00**.

The track numbers of the MP3/WMA/VOICE files in **Div@-S64** will be in order from the files stored in the flash memory to the files in the SmartMedia card. A period will follow the track number to indicate the currently selected MP3/WMA/VOICE file.

“Active” icon blinks during playback time. But in the state of pause, it will be stopped.

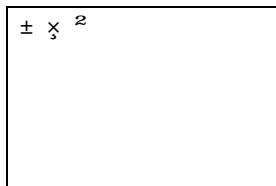
2. To listen to the next song during a playback, press the "Fast Forward" button once. If you hold down this button, it will fast-forward the current playback song with a two second unit until you release the "Fast Forward" button. If the current song has been reached at the end, the file that will be selected next will depend on the Play Mode setting such as repeat, repeat all or shuffle.

The MP3/WMA/Voice files stored in the flash memory will be selected first, and then the files in the SmartMedia card.



3. If you want to listen to the previous song, press the "Backward" button once. Again, it will fast-back the current playback song with a two second unit if you hold down this button during the playback. If the current song has been reached at the beginning, the file that will be selected next will depend on the Play Mode setting such as repeat, repeat all or shuffle.

Note: If a song has been played for less than 3 seconds from the beginning of the song, the previous song will be selected and played if you press the Previous button once. Otherwise, the current song will be played at the beginning.

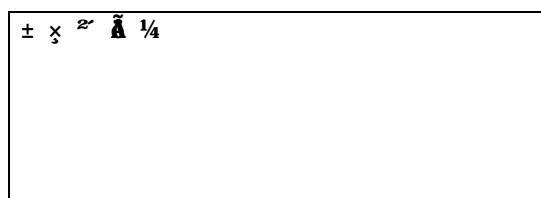


4. Use the volume control button to control the volume level. The volume level varies from 0 to 20 and is displayed on the display panel.



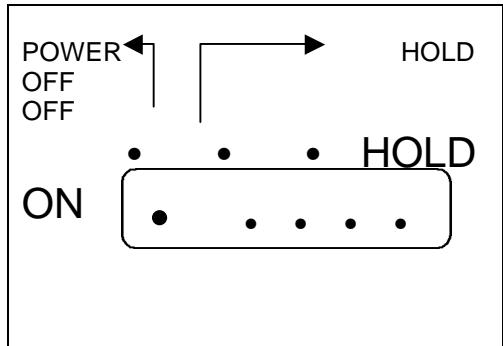
Also, the adjusted volume amount will be displayed on the bit-rate area during the Stop mode. If an MP3/WMA/VOICE file is being played, its bit-rate will be displayed instead of the volume amount.

5. Press the Stop button to stop the current playback.



On the Stop mode after pressing the Stop button, Holding down the Stop button for 2 seconds again will turn the **Div@-S64** player off immediately.

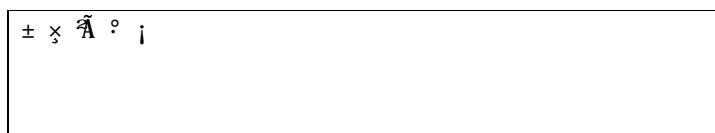
- **Hold switch operation**



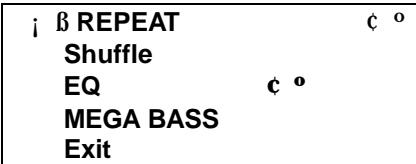
1. No operation when slide switch is at “power off” position.
2. The “hold on” switch locks all other button’s operations to prevent the buttons from being activated during the playback.  
“Hold” will be displayed on the Display panel while the Hold switch is set to the “On” position when the player is on.
3. Before operating the **Div@-S64**, you must set the Hold switch to the “hold off” position to unlock the button operations.

- **Key acceleator button**

This button has two differant functions.  
One is to make the volme up and down. The other is to select multi function.



1. Volume will be up and down 1 to 20 level, if the volume up/down key pull up or down once.  
If you hold up and down the key , the volume will be fast-up/down.  
When volume level is 0, display only mike icon (LOUD). And volume level increase, larger volume level indicators (LOUD) are display. When volume level is max, mike icon and 5 level indicators are all display.
2. If you push the “Key acceleator button”, you can select “REPEAT” “SHUFFLE” “EQ” “MEGA BASS” “EXIT”,



when you move the cursor( ) on to [Repeat] and select it, [One File], [One Folder], [All Files], [None] selectable menu will display

Select	Display
One File	
One Folder	
ALL Files	ALL
None	

when [One File] select: [REPEAT] icon display and one file playback repeatedly.

when [One Folder] select: [ALL] icon display and playback all files in selected folder repeatedly.

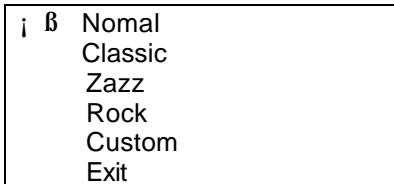
when [ALL Files] select: [REPEAT] and [ALL] icon display and playback all files in all memory(internal and external)

when [None] select: [REPEAT], [ALL] icon clear and it playbacks current file one time and return STOP mode.

when [Shuffle] select

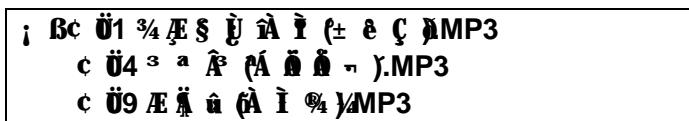
- toggle shuffle mode
- If repeat mode is repeat “one folder” or “all files”, device operates at shuffle mode.
- [SHUFFLE] icon is displayed and next track is selected random manner.

When you select “EQ”, “Nomal” “Classic” “Zazz” “Rock” “Custom” “Exit” will be displayed.



- **BROWER button**

The “brower” will display file list in current folder, if you clik one time.



The “brower” will display folder list in current memory, if you clik ceond time.



i BROW  
i CONT MEM  
i TEXT MEM  
i BOOK MARK

The “brower” will display upper folder list, if you clik third time.



i BROW  
i CONT MEM  
i TEXT MEM  
i BOOK MARK

- **Voice Recordid**

If you want to record voice, click the “REC”. Then the voice icon will be displayed



“Stop” key put voice recording an end and then stor voice file by default name.

If the spare memory region is emty during recording, “No memory” will be displayed and then stop recording and save voice file.

#### 4. How do I replace the SmartMedia card?

Div@-S64 supports 8MB, 16MB, or 32MB SmartMedia card.

Open the lid for the SmartMedia slot on the back of the Div@-S64® player as shown on the following figure.



< ± × 3  
SMC ± 1/4 3 1/2 × 2

Locate the cutting edge of the SmartMedia card to the upper left corner toward the battery lid. Then, insert the SmartMedia card into the slot. If you reverse the side of the SmartMedia card, the card will not fit in the slot.

Note: The power of the Div@-S64® player **must be turned off** before inserting a SmartMedia card. After inserting a SmartMedia card, you have to refresh or initialize the Div@-S64® using the Div@-S64® Manager software.

# Chapter 5

## **Div@-S64<sup>®</sup> general information and specifications**

This chapter describes what **Div@-S64<sup>®</sup>** is about. The characteristics and specifications are explained.

1. What is **Div@-S64<sup>®</sup>**
2. How does **Div@-S64<sup>®</sup>** work?
3. Characteristics - advantages of **Div@-S64<sup>®</sup>**
4. Product specifications

## 1. What is **Div@-S64<sup>®</sup>**?

**Div@-S64<sup>®</sup>** is a palm size audio device that uses no moving parts for playback and lets you enjoy a high quality sound product that uses MPEG1 Layer 3, a standard compression method providing an excellent quality audio. In short, **Div@-S64<sup>®</sup>** is the portable palm size Digital audio player that does not use tapes or CDs.

The **Div@-S64<sup>®</sup>** model uses an on-board 64MB flash memory and a SmartMedia card that will be available for 8MB, 16MB, or 32MB. MP3/WMA is a well-known, high quality digital audio format. MP3/WMA can be compressed up to 1/12 of the original wave file size. You can get thousands of MP3/WMA files without leaving your home or waiting in long lines in record stores. Just download the files legally from anywhere in the world through your Internet connection. You should have to pay for the downloaded MP3/WMA to the MP3/WMA provider. The files may then be transferred to your player and listened to on your home stereo, in your car, on the beach, or anywhere you wish to go! Also, you can make your own CD quality MP3/WMA files from your audio CDs or WAV files with the use of the MP3/WMA encoder software.

## 2. How does **Div@-S64<sup>®</sup>** work?

You'll need to have MP3/WMA files stored on your computer connected to the **Div@-S64<sup>®</sup>** player with USB cable. Using a DC adapter is optional.

Using the provided **Div@-S64<sup>®</sup>** Manager software, select the MP3/WMA files you wish to transfer from your PC to the **Div@-S64<sup>®</sup>**. You can transfer songs or data files from your PC to your **Div@-S64<sup>®</sup>** via USB port with the supplied USB cable. However, due to the copy protection, the MP3/WMA files are not allowed to upload from your **Div@-S64<sup>®</sup>** to your PC! You can copy only the data files except the MP3/WMA files from the **Div@-S64<sup>®</sup>** to the PC.

Using **Div@-S64<sup>®</sup>** as a data storage device is another great benefit of the **Div@-S64<sup>®</sup>** product features. When transferring large data from PC to PC, you can carry an equivalent of more than 60 floppy disks! A floppy diskette can carry only 1.44 MB of data, but you can carry more than 64MB plus the size that the SmartMedia card provides.

### 3. Characteristics - advantages of **Div@-S64<sup>â</sup>**

#### 1. Excellent quality sound

**Div@-S64<sup>â</sup>** plays MP3/WMA/Voice files, the high quality digital audio files whose size can be compressed from 40~50MB to about 4MB without losing any part of the original sound. **Div@-S64<sup>â</sup>** guarantees the pure sound while handling, exercising and jogging.

#### 2. Onboard 64MB flash memory and optional SmartMedia card of 8M, 16MB or 32MB

**Div@-S64<sup>â</sup>** uses its built-in 64MB flash memory and provides a SmartMedia card slot for more portable memory storage of 8MB, 16MB or 32MB. Thus, **Div@-S64<sup>â</sup>** supports up to 64MB including both storage media. Store MP3/WMA files in the SmartMedia cards, and enjoy them with **Div@-S64<sup>â</sup>** by replacing the SmartMedia card.

#### 3. Easy drag-and-drop feature for downloading MP3/WMA and data files.

**Div@-S64<sup>â</sup>** allows you to select and enjoy your own favorite MP3/WMA files made from your audio CDs or downloaded from Internet. With the drag-and-drop feature, **Div@-S64<sup>â</sup>** lets you easily download music or data files from your PC to **Div@-S64<sup>â</sup>**. However you can upload only the data files from **Div@-S64<sup>â</sup>** to your PC.

#### 4. Shock-free player

**Div@-S64<sup>â</sup>** does not require a physical mechanism such as cassette tapes or CDs. It is semi-permanent unlike others that use such shock-sensitive mechanism.

#### 5. Compact, lightweight and portable

**Div@-S64<sup>â</sup>** is small and light enough to fit in your pocket and provides the respectability without any sound distortion while you are jogging, cycling, working out, or doing any other dynamic activities.

#### 6. Use for a language purpose

**Div@-S64<sup>â</sup>** helps you study different languages with MP3/WMA files encoded for such language purposes like storybooks and news broadcasts.

#### 7. Use as a data storage

The on-board 64MB flash memory and optional SmartMedia card can be used to store not only MP3/WMA files but also any data files such as doc, gif, txt, bmp, wav, etc.

#### 8. Low power consumption

An AA size 1.5V Alkaline battery is recommended for longer playback time.

#### 9. Save your money

You can get thousands of songs at a fraction of CD prices from various MP3/WMA Internet providers via the innovative Try & Buy program without leaving home! You can buy only one song at a time, no more buying a CD for the one or two songs you want.

#### 10. Copy protection

**Div@-S64<sup>â</sup>** will allow you to copy only the data files from the **Div@-S64<sup>â</sup>** player to your PC. MP3/WMA files will not be copied from the **Div@-S64<sup>â</sup>** player to the PC.

## 4. Product specifications

### 1) **Div@-S64<sup>â</sup>** player

Storage Media:    - Built-in 64MB flash memory.  
                          - SmartMedia connector (1) for upgradable SmartMedia card.

Dimension:	- 65mm (W) x 102mm (H) x 18.9mm (D) - 2.56" (W) x 4.02" (H) x 0.75" (D)
Weight:	- <b>60g (2.1 oz)</b>
Display:	- Segment type LCD. - Song numbers, playback time, etc.
PC Interface:	- USB cable.
Power:	- A single AA 1.5V Alkaline battery - 3V 300mA DC jack (diameter of the plug: 3.5 PH)
Max. Output:	- Earphone; 2.5mW x 2
Frequency Range:	- 20Hz ~ 20KHz
Distortion Rate:	- 0.01% ~ 0.1%
S/N Ratio:	- 70dB
Mega Base Enable:	- 18dB (100Hz)
Others:	- SmartMedia card slot - Battery compartment - USB cable connector. - Earphone connector; 3.5 PH. - 3V DC connector - Play/Stop, forward, backward, volume, mode and info buttons. - Hold switch. - Voice recording

## 2) Accessories

- AA size 1.5V Alkaline battery (1)
- Earphone (1)
- USB cable (1)
- Installation CD (1)
- Carrying case (1)
- DC Adaptor(1)

# Chapter 6

## Appendix

This Appendix chapter shows the precautions and warranty conditions for the **Div@-S64<sup>®</sup>** product.

1. Precautions
2. Warranty conditions
3. Regulatory notice
4. Trouble shootings

## 1. Precautions

Following statements are the precautions that the users should always keep in mind. Any violation of one or more of the following precautions may cause damage and will void the warranty.

### Upgrades

The on-board 64MB flash memory is not upgradable. However, you can use a 8MB, 16MB or 32MB SmartMedia card.

### Avoid heat, moisture and static electricity.

To maintain good performance, do not use the unit in places which are extremely hot, cold, dusty, or humid. In particular do not keep the unit in a high humidity area such as a bathroom, near a heater or in an area exposed to direct sunlight (e.g., inside a parked car). Be careful because it may become extremely hot. When you carry the batteries in a pocket, do not put other metal objects in your pocket, such as coins or keys. Friction caused from the metal and the batteries rubbing together may cause a fire.

### Caution of impact

Do not drop the **Div@-S64®** player or allow any sharp impact. This may cause serious damage to the player.

### Chemicals

Do not use chemicals to clean the player. This may change the color of the player or damage the surface. Use a soft towel to clean the surface of the player.

### Batteries

If the battery wears out and does not last as long, it is time to replace with a new battery.

## 2. Warranty conditions

**Div@-S64®** will be repaired or replaced for as long as one year from the date of purchase.

The dealers that distribute the **Div@-S64®** units will repair or replace the **Div@-S64®** unit and its related accessories for one year from the date of purchase if the **Div@-S64®** fails to operate properly due to factory defects in materials or workmanship during assembly or shipping. Claims of defective players can only be made within the warranty period. Any other operation not considered under the normal usage and operation of the player for its intended purpose will void this warranty and the customers right to claim a defective player.

During the warranty period, SAEHAN or its **Div@-S64®** distributors will, at its discretion, repair or replace a defective unit at no charge to the customer. This is the customer's only option for defective product repairs. For product repairs, **Div@-S64®** reserves the right use new or reconditioned parts as they are needed. Replacement equipment, parts and accessories are guaranteed with the player for the same period (one year). Replaced equipment, parts, and accessories will become the property of SAEHAN and its suppliers.

If the problem is due to the user's failure to use the product as directed by the User's Guide, the warranty is void. However, a service representative at a local **Div@-S64®** retailer may be able to direct the customer on how to correct the problem. Any repairs made after the end of the warranty will be charged to the customer.

The following is a list of circumstances and conditions that are not covered in the warranty. Any claims of defects or damage that resulted from any one or more of the following will become the responsibility of the customer alone.

1. Misuse, abuse, improper installation, or alteration of the product by the user
2. Attempts by anyone other than SAEHAN or its authorized distributors to repair or disassemble the product
3. Accidents, mishandling or neglect of the product after delivery to the user
4. Use of the unit or accessories in other than its normal and intended usage
5. Food or liquid spills
6. Interference from or with other electronic devices
7. Damage to the outside surface or other exposed parts due to customer normal wear and tear
8. Use of accessories, attachments and other equipment not provided by SAEHAN MEDIA CO., LTD.
9. Fluctuations in electric power sources
9. Illegal use of the product
10. Any other manner which SAEHAN MEDIA CO., LTD. CO., LTD. CO., LTD. deems as improper usage of the product

### **3. Regulatory notice**

#### **Declaration of Conformity**

##### **<United States>**

##### **FCC Declaration of Conformity**

**PRODUCT NAME:** Div@-S64 –Portable Digital Audio Player.

**MODEL NUMBER:** Div@-S64

**FCC RULES:** TESTED TO COMPLY WITH FCC PART 15, CLASS B

**OPERATION ENVIRONMENT:** FOR HOME OR OFFICE USE

##### **FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

##### **INFORMATION TO USER:**

This equipment has been tested and found to comply with the limits of 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, user and can radiate radio frequency energy and, if not installed an used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation, if this equipment does 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:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio / TV technician for help.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE  
SAEHAN MEDIA CO., LTD. AMERICA INC.  
1989 PALOMAR OAKS WAY  
CARLSBAD, CA 92009  
(760) 929-7770

**<Japan>**

**VCCI Declaration of Conformity**

Regarding the Class 1 ITE and Class 2 ITE, as reported, the following declaration of conformity is provided.

This is a Class 2 product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

**<Europe>**

**Declaration of Conformity**

According to the EMC Directive, 89/336/EEC, including amendments by the CE marking Directive, 93/68/EEC.

Type of Equipment: Portable MP3/WMA Player

Brand Name of Trade Mark: **Div@-S64**

Type Designation: **Div@-S64**

Manufacturer's name, address, telephone & fax number:

SAEHAN MEDIA CO., LTD..

Saehan Bldg 254-8,

Kongduk-Dong, Mapo-Ku,

Seoul, Korea 121-170

Tel: +82-2-3279-9700

Fax: +82-2-3279-7796

The following harmonized European standards have been applied.

<b>Standard</b>	<b>Regarding</b>
EN55022, Class B	Emission
EN50082-1	Immunity

SAEHAN MEDIA CO., LTD. declares under our sole responsibility that the equipment follows the provisions of the Directives stated above.

## 4. Trouble shooting

### THE BUTTONS ARE NOT FUNCTIONING

1. Check to see if the battery is placed properly. Check the "+" and "-" signals of the battery.
2. Check to see if the battery used up. You may need to replace the battery.
3. Check to see if the "Hold" switch is on. Release the Hold button.
4. Check to see if the "Hold" switch is on "power off". Release the Hold switch.
5. Check to see if the memory status is all right. Initialize the **Div@-S64®** player using the **Div@-S64®** Manager.
6. Try reinserting the battery. Sometimes, you will need to reinsert the battery. This will reinitialize the player.

### UNABLE TO DOWNLOAD DATA

Check to be sure the USB cable is properly connected to your PC and the **Div@-S64®** player.  
Check to be sure there is available memory. You can check the remaining memory and check the size of the files stored on **Div@-S64 Manager**.  
Check if the battery is low. You may replace the battery or may connect the **Div@-S64®** player with a 3V 300mA DC adapter.

### LOST DATA

It might happen that some parts of data may be damaged due to instability of power while downloading files. In this case, initialize the **Div@-S64®** memory using the **Div@-S64®** Manager.

SAEHAN MEDIA CO., LTD. will not be responsible for lost or damaged data downloaded to your **Div@-S64®**.

We recommend you backup your data in a safe place such as your hard drive or a floppy diskette.

### USB PORT SHARING DEVICES

**Div@-S64®** has not been tested using the USB port sharing devices. We do not guarantee the player for customers using their **Div@-S64®** with the USB port sharing devices.

### EXITING THE MANAGER

During or after the communication between your PC and **Div@-S64®**, you should exit the **Div@-S64®** Manager before unplugging the USB cable from the **Div@-S64®** player.

### CASSETTE ADAPTERS

You may use a cassette adapter for a car stereo system to listen to the **Div@-S64®**. Connect the plug of the cassette adapter with the earphone jack of the **Div@-S64®** player and insert the cassette adapter in the car stereo player.

### MEMORY MANAGEMENT

The memory management of the **Div@-S64®** Manager software is performed by in 8KB or 16KB unit block. The actual memory size of the files stored in the player may differ from the memory size shown on the memory information of the **Div@-S64®** Manager.

### HOW DO I UPGRADE THE MEMORY?

The 64MB flash memory is already built-in the **Div@-S64®** player. Thus you are not allowed to upgrade the built-in flash memory. However, you may use the expandable memory slot for an 8MB, 16MB, or

32MB SmartMedia card. The **Div@-S64<sup>®</sup>** player **must be turned** off before you replace the SmartMedia card.

#### **IS THERE A STANDARD VOLUME LEVEL FOR THE MP3/WMA FILES?**

No. MP3/WMA files will be played with different volume levels depending on how the MP3/WMA files were made. If you made an MP3/WMA file with high volume level, the MP3/WMA file will be played louder than the MP3/WMA files that were made with lower volume level.

#### **HOW IS THE AVAILABLE MEMORY SIZE ON THE DIV@-S64<sup>®</sup> DISPLAYED?**

A memory chip on the **Div@-S64<sup>®</sup>** is composed of blocks each of which can be 8KB, 16KB, or 32KB depending on the flash memory type. A whole block will be used although you try to store one byte file. Thus, even though the selected files on the local panel shows less than the available size on the **Div@-S64<sup>®</sup>**, you may not be able to download the files to the **Div@-S64<sup>®</sup>**.

#### **HOW DO I GET DETAIL INFORMATION ABOUT MP3/WMA FILES?**

Please visit the **Div@-S64<sup>®</sup>** home page at <http://www.Div@.com>

You can obtain the latest information on **Div@-S64<sup>®</sup>** including a growing number of legal MP3/WMA Internet sites.

#### **HOW MANY MINUTES OF MP3/WMA FILES CAN THE DIV@-S64<sup>®</sup> PLAYER HOLD?**

It depends on the memory size of the **Div@-S64<sup>®</sup>**. The **Div@-S64<sup>®</sup>** player with 64MB, 48MB, or 32MB memory can hold approximately for 60 minutes, 30 minutes, or 45 minutes of the near CD quality sound MP3/WMA files respectively.

#### **CAN I USE SMARTMEDIA CARD WITH DIGITAL CAMERA?**

The size of the SmartMedia card you can use with the player is 8MB, 16MB or 32MB. If you format the card using the **Div@-S64** Manager software, you cannot use the card with your digital camera. We will later provide software that formats the card to use with the digital camera.

#### **DIV@-S64<sup>®</sup> CAN NOT BE RECOGNIZED**

If the **Div@-S64<sup>®</sup>** Manager does not recognize your **Div@-S64<sup>®</sup>** player, please refer to the following information.

First of all, check if the USB cable is connected properly, or if the **Div@-S64<sup>®</sup>** player is turn on.

**Div@-S64<sup>®</sup>** may not be recognized by the **Div@-S30<sup>®</sup>** Manager software if the USB driver is not set respectively.

You must set the USB driver from the installation CD on to your PC again.

#### **2. How to check and set the USB in Windows**

1. Right mouse click on the "My Computer" icon on the Windows desktop.
2. Click on the "Property" menu item. The "System Properties" dialog box will appear.
3. Click the "Device Manager" tab.
4. Double click on the "USB Controller" item.
  - there is "driver" item.
  - If there is no such item, the USB drive is not set.
  - try it again as described in the above section.
5. Click the "Resources" tab.

**3. Note:**

If your **Div@-S64®** still does not recognized even though you set the USB driver on your PC, please contact us.

As follows

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