

Freecom MediaPlayer 2.5" Drive-In Kit



MANUAL

Rev. 530

Dear customer,

Thank you for buying the Freecom MediaPlayer-25 Drive-In Kit, a brand-new digital multimedia player that supports data access mode via 2.5" HDD inside (not supplied). With this player you can easily enjoy Digital Movies, Digital Music, Digital Photos from a 2.5" HDD (when assembled in the device) directly on your TV or HiFi set.

Freecom Technologies • Germany
www.freecom.com

Warning !

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Warning! This device is equipment complying with EN55022 class B.

Freecom Technologies is not liable for any damages that may occur from the use of a Freecom system. All rights reserved. We reserve the right to upgrade our products in keeping with technological advances.

Users manual

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Introduction

The Freecom MediaPlayer-25 Drive-In Kit is 2.5" HDD interface type of MPEG4 player based on USB 2.0 High Speed. It can be connected to TV in home or a monitor. It is not only an external USB HDD but also the best portable AV device that displays Music, Movie and photo.

Package Content

Please check the contents of the box. The following should be supplied:

- Freecom MediaPlayer-25 Drive-In Kit
- DC Adaptor
- AV 1 Cable (Yellow / Red / White)
- AV 2 Cable (Yellow/S-Video)
- AV3 Cable (Yellow / Red / Green)
- USB Cable
- Remote Control
- AAA Battery
- Quick Install Guide
- CD with manual and USB 2.0 Driver for WIN98SE

Minimum System Requirements

The following hard- and software requirements must be fulfilled to ensure trouble-free operation.

Hardware Requirements

- Pentium III 500MHz or faster
- At least 128 MB RAM
- USB interface (USB 1.1 or USB 2.0*)
- A CD-ROM drive or internet connection for driver installation (for WIN98SE)
- For playback on TV, a TV with PAL or NTSC system is required.
- Support HDD: Compatible with standard 2.5" IDE Hard Drive

* USB 2.0 is downwards compatible to USB 1.1. To achieve optimal performance from the Freecom MediaPlayer-25 Drive-In Kit your PC should be equipped with an USB 2.0 port. USB 2.0 PCI Host Controllers are separately available at www.freecom.com.

Software Requirements

- Windows XP, Windows 2000, Windows Me, Windows 98 Second Edition
- Mac OS X or higher
- Linux 2.4 or higher
- For use under Mac OS and Linux, the drive needs to be FAT-32 formatted.

Supported Media Formats

Video

- MPEG 1, 2, 4 (MPG, MPEG, AVI, M2V, DAT, VOB, etc)
- DivX, XviD (Except GMC & Qpel option applied formats)

Audio

- MP3
- OGG Vorbis
- WMA
- WAV

Main Specifications & Functions

- An External USB HDD using 2.5" HDD.
- Supports 480 Mbps High-Speed USB 2.0 data transmission interface.
- Works on Windows 98SE/ME/2000/XP, Mac OS X higher, Linux 2.4 higher.
- Supports FAT32 and NTFS file system.
- Multi-Codec Digital Data Player that plays various Audio, Video formats and photos through TV or a monitor.
- Supports various multimedia formats (MPEG 1, 2, 4, DivX, XviD, MP3, OGG, JPG, etc).
- Supports multi-language.
- Supports high-resolution data & 5.1 Ch digital sound through Coaxial output.
- Supports 480p, 720p, 1080i progressive scan.
- No additional power required to connect to a PC.
- Firmware upgradeable for the latest functions and performance.

Warnings and Safety Instructions

Please read and follow the below mentioned instructions. They should be observed in order to prevent injury to the user, damage to the device and damage to property, as well as to ensure safe use of the product. Not following these instructions may cause the unit to malfunction.

To ensure that your Freecom MediaPlayer-25 Drive-In Kit functions properly, please take note of the following precautions. If these are not followed, you may void your warranty and damage the Freecom MediaPlayer-25 Drive-In Kit.

- Safely remove the Freecom MediaPlayer-25 Drive-In Kit via your operating system (the "unplug or eject hardware" option in the Windows taskbar) before disconnecting the USB cable or power cable and before switching off the device. Failing to do so may result in data loss.
- Do not disconnect the Freecom MediaPlayer-25 Drive-In Kit from the PC during file transfer. This may result in data loss and an error on the player. If this occurs, please run the ScanDisk utility.
- Do not turn off the power when a file is playing.
- We strongly recommend you to regularly back up the data from the hard drive that you have built in, to another safe media. Freecom can never be held responsible for data damage or data loss of the built-in HDD.
- Unplug the power adaptor when you don't use the device for a longer period of time.
- If the length of USB cable is too long, it may not be connected smoothly (Recommend: up to 3 meters)
- We recommend you to use the all supplied cables or accessories that are customized for the best performance of the Freecom MediaPlayer-25 Drive-In Kit. Using other cables or accessories may not support the best performance.
- If you have USB 1.1 Host Adapter, the device will be working at USB1.1 speed.
- When using a hard drive with less than 6GB storage capacity, you may experience data damage or data loss. We recommend you to use a harddrive of more than 6GB.

Note: Make sure to format the Hard Drive before using the device. When you use an unformatted HDD, a PC will not detect the Freecom MediaPlayer-25 Drive-In Kit.

- In a car, we recommend you to use the supplied cigarette lighter jack (option) and we are not responsible for the damage or loss of data in a HDD by using another cigarette lighter jack.
- Grip the side of the Freecom MediaPlayer-25 Drive-In Kit. The top & bottom cover may have heat due to aluminum case.
- This Freecom MediaPlayer-25 Drive-In Kit does not supports the DivX, XviD codec of video files that has GMC, Qpel option.
- This Freecom MediaPlayer-25 Drive-In Kit supports only "Pass-Through for DTS Audio codec.

Be away from water, heavy moisture. If the Freecom MediaPlayer-25 Drive-In Kit has a liquid, unplug the Freecom MediaPlayer-25 Drive-In Kit from a PC right away. If you use the Freecom MediaPlayer-25 Drive-In Kit under this condition, the HDD may be fired or you may have electric shock.

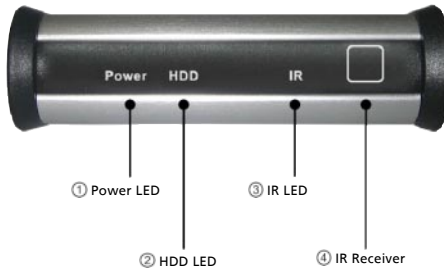
- Don't touch the Freecom MediaPlayer-25 Drive-In Kit by wet hands. It may cause electric shock.
- Be away from heat, a direct ray of light.
- Be away from devices that transmit strong magnetic signal. It may cause data damage or loss on HDD.
- Don't disassemble as the user's own accord. It may cause the Freecom MediaPlayer-25 Drive-In Kit damaged or loose the data.
- Do not drop the Freecom MediaPlayer-25 Drive-In Kit or expose it to other kinds of sudden mechanical shocks as this may result in data loss and damage to the hard drive.
- Do not use the Freecom MediaPlayer-25 Drive-In Kit when the ambient temperature is below 10°C or above 45°C.
- If the Freecom MediaPlayer-25 Drive-In Kit is moved from a cool environment to a warmer environment, please allow the drive to acclimatize to the ambient temperature before operating the device. Failing to do so may lead to condensation within the drive enclosure, which in turn may cause the drive to malfunction.
- Do not use the Freecom MediaPlayer-25 Drive-In Kit in a dusty environment. Dust inside the enclosure may damage the internal electronics and result in drive malfunction.
- Do not use the Freecom MediaPlayer-25 Drive-In Kit near magnetic fields.
- The MediaPlayer-25 Drive-In Kit may generate heat when used for a longer period of time.

Furthermore, warranty does not apply to:

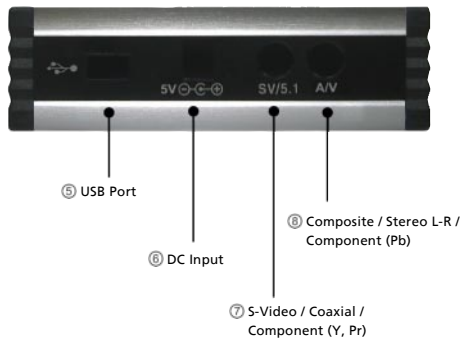
- Damages or problems resulting from misuse, abuse, accident, alteration or incorrect electrical current or voltage.
- Any product tampered-with or damaged serial number label.
- Any product without a serial number label.
- Consumable items delivered with or in the equipment.

Chapter 1: Explanation of the exterior Appearance

FRONT VIEW



REAR VIEW



- ① **Power LED:** Lights up when drive is powered
- ② **HDD LED:** Lights up when data is transmitted
- ③ **IR LED:** Blinks when a signal is received from the remote control
- ④ **IR Receiver:** Reception area of the remote control.
- ⑤ **USB Port:** Connect USB Cable to a PC in order to copy and paste data
- ⑥ **DC Input:** Connect **DC** Power Adaptor.
- ⑦ **SV/5.1:** Output for S-Video, Coaxial, Component (Y, Pr) signal.
- ⑧ **A/V:** Output for Composite, Stereo L-R, Component (Pb) signal.

Chapter 2: Assembling a Hard Drive into the MediaPlayer

This chapter describes how to assemble or disassemble a hard drive to/from the player.

Note: The HDD should be jumpered as "Master".



1 Pull a hasp to the arrow direction.



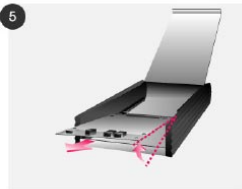
2 Pull another hasp to the arrow direction.



3 Grip the hasp and pull it out to the arrow direction.



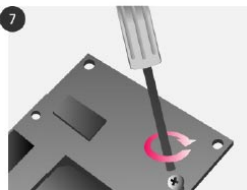
4 Open the top-cover and unscrew the PCB.



5 Pull the PCB out.



6 Grip HDD and insert it into the pins of PCB (be sure to match the 44 pins).



7 Screwing HDD on PCB solidly by using the supplied screws.



8 Insert the screwed HDD & PCB into a case of Freecom MediaPlayer-25 Drive-In Kit.



9 Screw HDD & PCB on the Freecom MediaPlayer-25 Drive-In Kit by using a screw driver.



10 Put the back panel in.



11 Push each hasp to the arrow direction.



12 Now the assembly is completed.

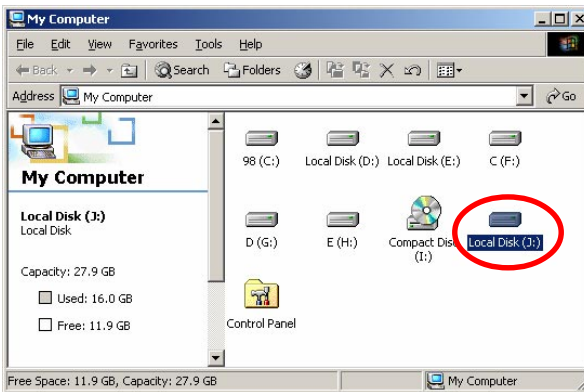
Chapter 3: Connecting the player to a PC

Connect the player to the PC using the supplied USB Cable.

Note: Windows 98SE users have to install the Installation Driver first. Refer to the below instructions.

3.1. Instructions for Windows Users

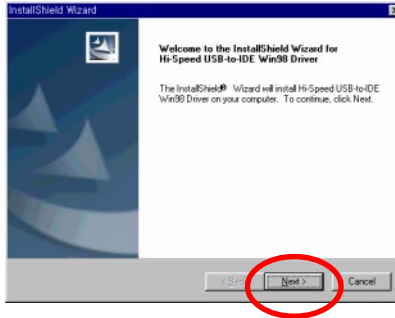
When the player is connected to the PC, a new volume will appear on [My Computer]. You can save any data on this volume. See the instructions below the various Windows versions.



After detecting the Player, a new volume will appear.

3.1.1 Windows 98SE Users

Note: For the use under Windows98SE you must install the USB2.0 driver which is on the manual CD, otherwise your PC does not recognize the player as a new disk drive.



When you install [Win98_Freecom MediaPlayer-25.exe], the installation wizard will appear. Press [Next] button and complete the installation.

Check the Driver Installation

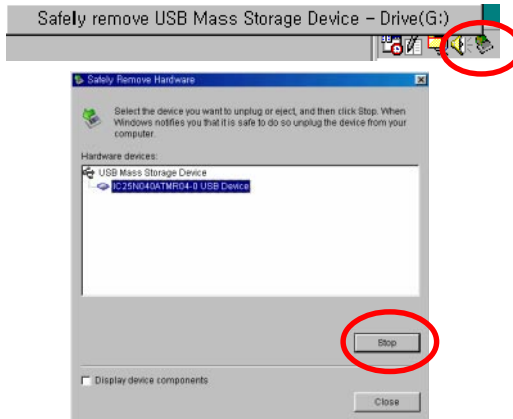
You can check whether the driver is installed correctly or not at [Appendix. Check the Driver Installation for the Freecom MediaPlayer-25 Drive-In Kit at Windows].

Check whether the hard drive is formatted or not

If the assembled hard drive is not formatted, a PC will not detect the HDD. Refer to Chapter 7: "Format the Built-in HDD via USB", for more details.

How to remove the Freecom MediaPlayer-25 Drive-In Kit safely from a PC

Remove the player using the "safely remove" icon from the Windows taskbar. Not following this procedure may cause damage to the drive and/or data loss.



3.1.2 Windows ME/2000/XP Users

There is no need to install any Installation Driver.

Connect the player to the PC using the supplied USB Cable. The PC will automatically detect the player as USB Mass Storage Device in [My Computer].


Check the Driver Installation

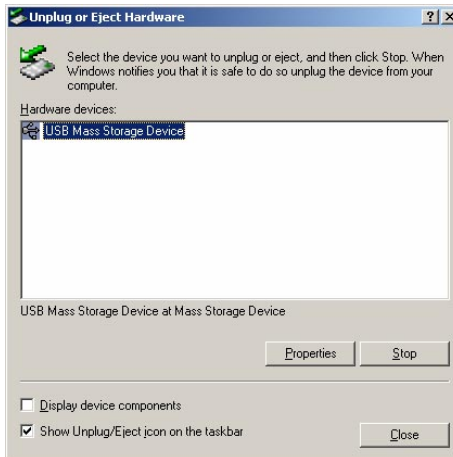
You can check whether the driver is installed correctly or not at Appendix: "Check the Driver Installation for the Freecom MediaPlayer-25 at Windows".

Check whether the hard drive is formatted or not

If the assembled hard drive is not formatted, a PC will not detect the HDD. Refer to Chapter 7: "Format the Built-in HDD via USB", for more details.

How to remove the Freecom MediaPlayer-25 Drive-In Kit safely from a PC

Remove the player using the "safely remove" icon  from the Windows taskbar. Not following this procedure may cause damage to the drive and/or data loss.



3.2 Mac Users

There is no need to install an installation driver for Mac OS 10.x version; the player will be detected automatically. If the Freecom MediaPlayer-25 Drive-In Kit is detected correctly, an icon will appear on your desktop.

To remove the player safely, drag the icon to the trash can and unplug the player.

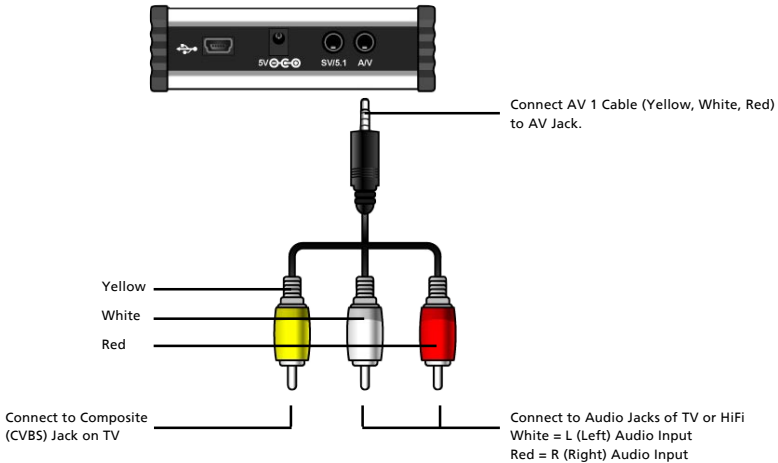
Chapter 4: Connecting the player to external AV Devices

The player supports Composite, S-Video, and Component for Video and Stereo & 5.1Ch sound by Digital Output (Coaxial). Please refer to the below examples.

4.1 Connect by Composite for Video & Stereo for Audio

This is the most commonly used method to connect the player to a TV.

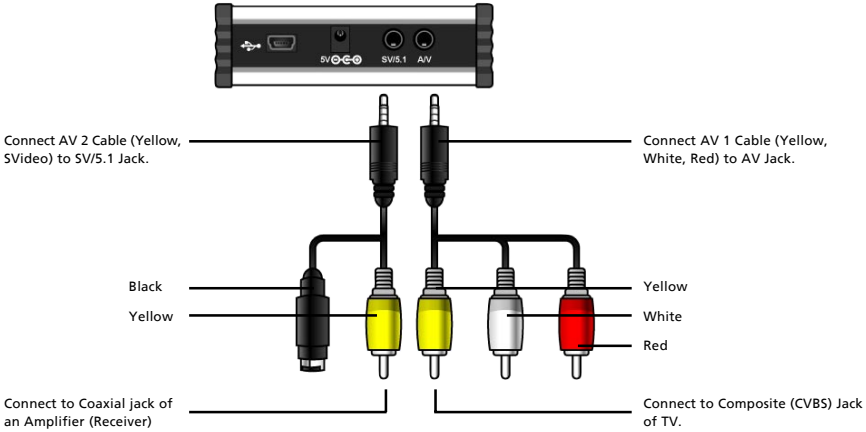
Connection for Video through Composite and for Audio through Stereo



4.2 Connect by Composite for Video & 5.1Ch for Audio

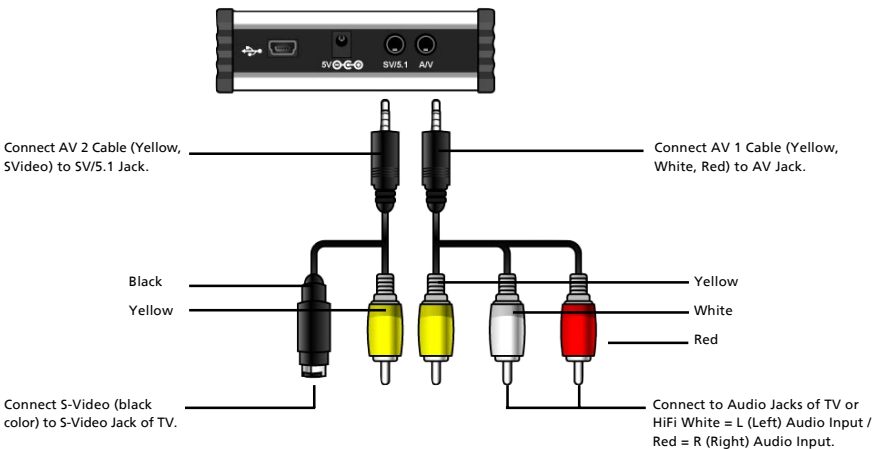
Connection for Video through Composite and for Audio through 5.1Ch (Coaxial)

After cable connection, set the Audio as 5.1Ch at Setup page of the player.



4.3 Connect by S-Video for Video & Stereo for Audio

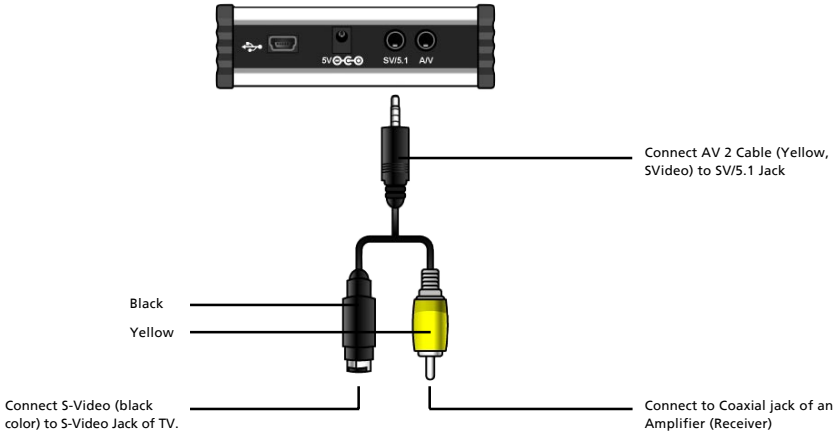
Connection for Video through S-Video and for Audio through Stereo



4.4 Connect by S-Video for Video & 5.1Ch for Audio

Connection for Video through S-Video and for Audio through 5.1Ch (Coaxial)

After cable connection, set the Audio as 5.1Ch at Setup page of the player.



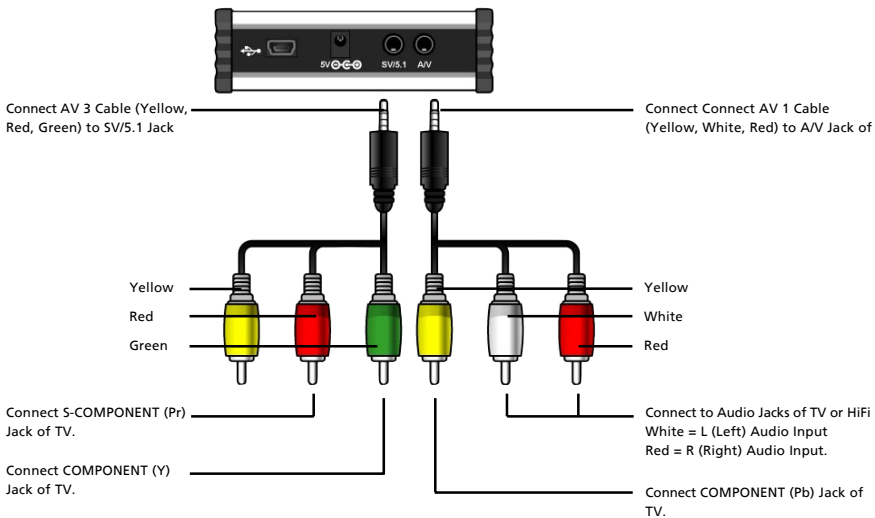
4.5 Connect by Component for Video & Stereo for Audio

Connection for Video through Component and for Audio through Stereo

GB

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When the main screen does not appear after connecting the proper cables and powering the player on, press [F1] button on the remote control until you see the main page (Freecom MediaPlayer-25 Drive-In Kit LOGO PAGE) and then press [Setup] button in order to match the [Video] setup with TV.



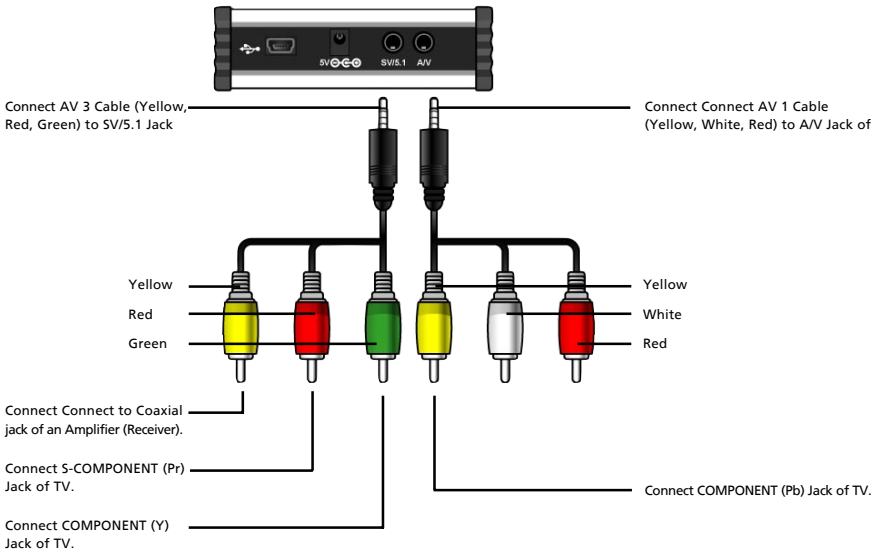
4.6 Connect by Component for Video & 5.1Ch for Audio

Connection for Video through Component and for Audio through 5.1Ch (Coaxial)

After cable connection, set the Audio as 5.1Ch at Setup page of the player.

In case, the main screen does not appear...

In case, the main page does not appear after connecting the proper cables, press [F1] button on the remote control until you see the main screen (Freecom MediaPlayer-25 Drive-In Kit LOGO PAGE) and then press [Setup] button in order to match [Video] setup with TV.



Chapter 5: Basic Setup of the player

5.1 Video Setup

The default Video Setup is Composite Connection for general TV. If a general cable (Yellow) is connected, there is no need to change the settings.

If you want to connect the device by using other cables, select the proper TV system (NTSC/PAL) for the TV to receive a correct video signal. For Video Setup, press [Setup] button on the remote control.

When the main screen does not appear

In case, the main screen does not appear after connecting the proper cables and powering the player on, press [F1] button on the remote control until you see the main page (Freecom MediaPlayer-25 Drive-In Kit LOGO PAGE) and then press [Setup] button in order to match [Video] setup with TV. When necessary refer to TV manual.

5.1.1 Setup of TV System (NTSC / PAL)

- ① Select [Setup] -> [Video Setup] -> Press [Enter] or [▶] button.
- ② Select [TV Output] by using [▲] or [▼] button.
- ③ Select a menu by using [▶] and [▲ ▼] key and press [Enter] for setup.
- ④ Now, the new configuration is applied. Be sure to press [Enter] button to save the new setup.
- ⑤ Set other configurations by using arrow buttons or go to other setup pages by pressing [Setup] button.



5.1.2 Setup of HD Component (Progressive)

NTSC, PAL: Standard of TV Output.

Select the proper one for using in your country.

- **C(Composite):** If a general cable (Yellow) is connected, no need to change.
- **S-Video:** When connected by S-Video cable (Black) and the screen color is black&white, you need to change the configuration.
- **Y,PB,PR:** Use these settings when connected via Component Video Output

In order to use Component connection, the TV MUST support [Progressive Scan].

- ① Select [Setup] button on the remote control.
- ② Select [Video Setup] -> Press [Enter] or [▶] button.
- ③ Select [HD Component] output by using [▲ ▼] keys.
- ④ By using [▶] and [▲ or ▼] button, select the proper setting (480p, 720p, 1080i, off) and then press [Enter] button.
- ⑤ Now, the new configuration is applied
- ⑥ Be sure to press [Enter] button to confirm the new setup. Finally, press [Setup] button to save the configuration.



If you see an abnormal/distorted screen, your TV does not support [Progressive]. In this case, press [Video] button on a remote controller until you have a normal screen. Some TVs may not support [720P].

5.2 Audio Setup

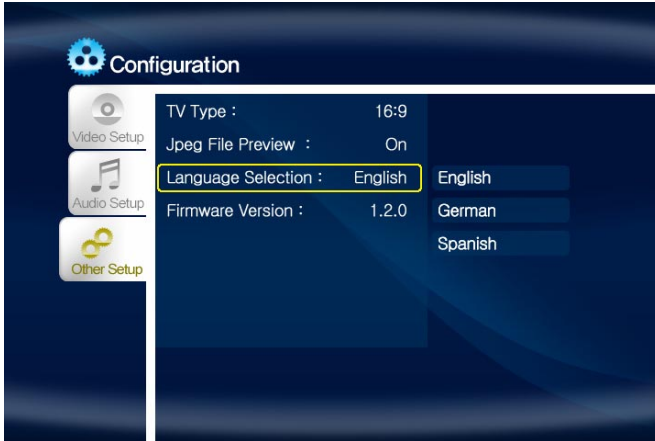
- ① Select [Setup] button on the remote control.
- ② Select [Audio Setup] by using [▲ or ▼] button.
- ③ Select the proper audio output (Stereo (Analog) or Digital 5.1Ch (Encoded Digital) by using [▶] button and press [Enter] button.
- ④ Set other configurations by using arrow buttons or go to other setup pages by pressing [Setup] button.



- **Analog:** Select this option when you connect Audio Cables (Red, White) to TV or HiFi directly.
- **Digital:** Select this option when you want to listen through 5.1Ch / DTS Dolby by connecting the player to a receiver (or amplifier) with AV2 or AV3 Cable .

5.3 Other Setup functions

- ① Select [Setup] button on the remote control.
- ② Select [Other Setup] by using [▲ or ▼] button.
- ③ Select the menu you want to change and press [Enter] button.
- ④ Set other configurations by using arrow buttons or go to other setup pages by pressing [Setup] button.

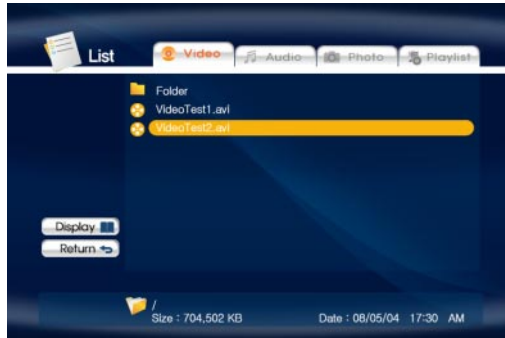
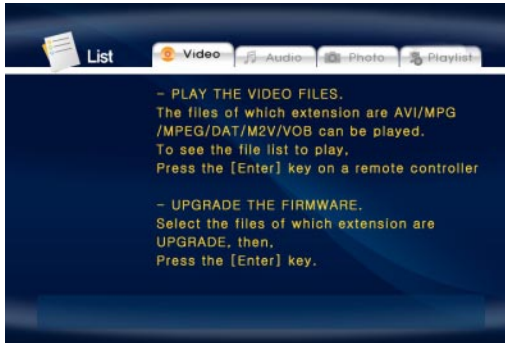


- **Setup of TV Type (Screen Ratio Configuration):** Select one (4:3 Letter Box, 4:3 Pan Scan, 16:9).
- **JPEG File Preview:** If enable "JPEG File Preview ON", a small picture (thumbnail) will be shown on the left side of the screen.
- **Language Selection:** Select your preferred language.
- **Firmware Version:** You can check the current firmware version of the Freecom MediaPlayer-25 Drive-In Kit

Chapter 6: Play Video, Audio and Photo files

6.1 Play Video Files

Select [Video] -> Press [Enter] button then you will see a list of video files that you saved onto the player. Select the file you want to play, press [Enter] or [Play] button to start playback.



Menu Description

- Play All: All video files will be played in order.
- Media Select: You can move to another menu like Audio, Photo, Playlist without returning first to the main page while you are in [Video] menu.

Various functions of the buttons on the remote control

You can use the following buttons when you are playing a video file:

- **[Audio] button:** You can select Audio 01, Audio 02 if the audio format is multi-audio.
- **[Caption] button:** Supports the following three functions.
 - ① **Subtitle move & size:** Control Screen Location & Size.
 - ② **Subtitle select:** The files that have caption will be displayed. Select the preferred caption.
 - ③ **Subtitle lang. select:** Select a preferable language (only available in multi-language file).
 - ④ **Subtitle sync.:** Set the subtitle sync. with ◀▶ (one second) ▼▲ (60 second)
- **Control Brightness of caption:** Number 4 (make it dark), Number 6 (make it bright)
- **[Scr. Size] button:** Supports the following three functions.
 - ① **Zoom vertical:** By using ▼▲ keys, the screen size can be enlarged or reduced.
 - ② **Zoom full:** Enlarge the overall screen
 - ③ **Custom:** Make a screen by using ▼/▲/◀/▶ keys manually.
 - ④ **Default:** Return to original screen size
 - ⑤ **Screen position:** Move the screen to the direction with ▼/▲/◀/▶ keys. Press [Brt.Cont] key for returning to the original screen position when applying Screen position.
- **[Time Search] button:** Move to a selected time of a file.
- **[Brt. Cont] button.:** Control luminosity / color depth / brightness of the screen.
- **[File Info.] button:** Check the information of the file currently being played.
- **Screen Reset function:** If a frame of a video file is broken, a green color will run on the overall screen. Press number [0 "Zero"] to reset the screen.

6.2 Play Audio Files

Select [Audio] -> Press [Enter] button; you will see the list of audio files that you saved onto the Player. Select the file you would like to play and press [Enter] or [Play] button; playback will start.



Menu Description

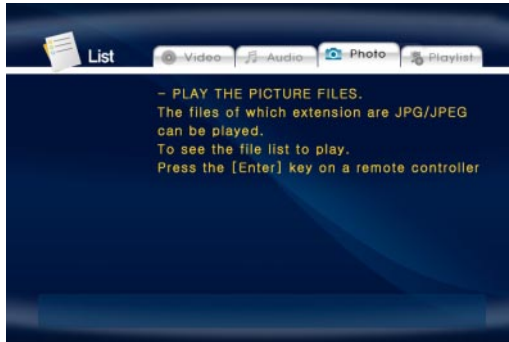
- Play All: All audio files will be played in order.
- Media Select: You can move to another menu like Video, Photo, Playlist without returning first to the main page while you are in [Audio] menu.

MP3 Quick Play

You can listen the mp3 files without the use of a TV or monitor. After booting the player, press [Play] button. The player will detect and play the mp3 files automatically. However, if there are too many other format files, it will take some time to detect the mp3 files.

6.3 Play Photos

Select [Photo] -> Press [Enter] button; you will see a list of all photo files you saved onto the Player. Select the file you want to view and press [Enter] or [Play] button to start playback.



Menu Description

- **Play All:** All photo files will be played in order.
- **Media Select:** You can move to another menu like Video, Audio, Playlist without returning first to the main page while you are in [Photo] menu.

Photo Preview

You can setup [Photo Preview] at the Setup menu (option: [Other Setup]). If this is enabled, a small picture (thumbnail) will be shown at the left side of the screen.

Available Buttons when display photos

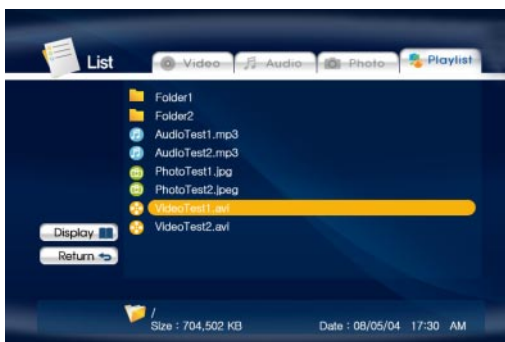
- Volume +: Enlarge photos (Zoom In)
- Volume -: Reduce photos (Zoom Out)
- F2 Button: Rotate photos (Rotation)
- ▼ / ▲ / ◀ / ▶ buttons: Move photos to up, down, left and right (Panning)

Slide Show by using [Play All]

Select [Display] -> press [Enter]; all photos will be displayed in order.

6.4 Play List

You can create a [Play List] to play back files in the order you prefer. Select [Play List] -> Press [Enter] then all files will be shown. Select files you would prefer to play and press [Enter] button; the files you selected will have a [v] mark. After creating the [Play List], if you press [See Play List] then the files you selected will be shown on the screen.





Menu Description

- **Display:** shows all files added to the Play List.
- **Media Select:** Move to [Video], [Audio], [Photo] without returning first to the main page.
- **Play all:** Play all files in order.
- **Random Play:** Play the files in random order.
- **Remove All:** All the added files in the current Play List will be deleted.

Change the order of [Play List]

Select [Display] -> Select a file -> scroll the files and select a file you would like to switch. Then the order of each file will be switched.

6.5 Remote Control – description of all buttons and functions

Power: Power On/Off

TV Type: Select 4:3 letterbox, panscan, 16::9 wide

Audio: Select Audio files or dual-audio

Caption: Setup of location / size / multi-title

Scr. Size: Control the size of the screen (up / down / enlarge overall / return to the original size)

Cancel: Cancel the number and make it 0 (zero)

Number: Keys Input number

Setup: Move to Setup page

Direction Keys: Move up / down / left / right

Enter: Save a new configuration / select or play a selected file

Title Search: Move to a selected time of a file

Brit. Cont.: Control luminosity / color depth / brightness of a screen

Media Type: Select one of Medias (Video / Audio / Play List)

Prev: Move to a previous file or page

Next: Move to a next file or page

Mute: Mute the sound. Disable Mute by pressing again

File Info: Show the information of the file played

Stop: Stop the file

Play: Play a file

Pause: Pause a file. Press it again to resume playback

Rew: Play backward. Press over and over again for faster backward play.

FF: Play forward. Press over and over again for faster forward play

F1: Change Video Output. If you can not see a normal TV screen, press this button over and over again slowly until you have a normal screen.

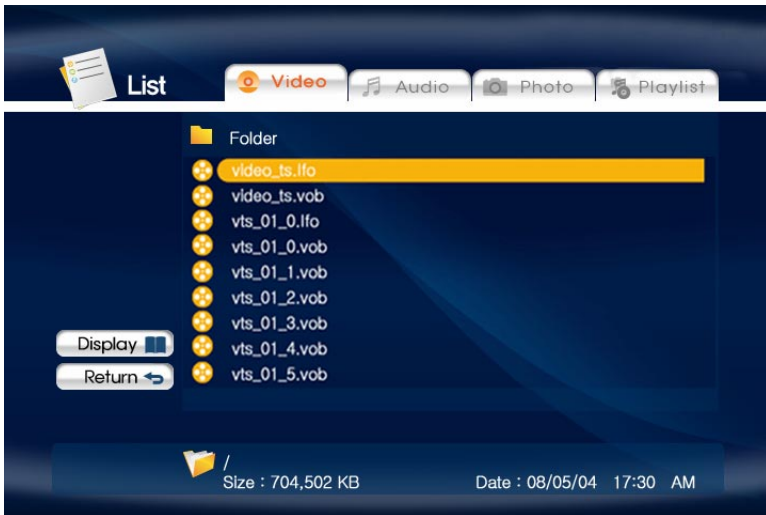
F2: Rotate a photo

6.6 DVD Manager

The player has DVD manager function which supports playing ripped DVD Files, in the same way as playing an original DVD. Create a folder (when player is connected to the PC), then save all ripped files into this folder. After connecting TV(or Monitor), select the VIDEO_TS.IFO file from the folder. Make sure that all the ripped files including VIDEO_TS.IFO from one DVD title will be located in one folder.

VIDEO_TS.IFO file doesn't appear

If you can not find VIDEO_TS.IFO file among all the ripped files from an original DVD title, the DVD manager function will not work.



Available buttons when playing ripped DVD files rippés

- **Audio button:** Audio type will be changed when button is pressed.
- **Caption button:** Caption type will be changed when button is pressed.
- **Scr. Size button:** Screen size will be changed when button is pressed.
- **F1 button:** Move to main menu while playing DVD.
- **F2 button:** Play slowly 1/2, 1/4, 1/8
- **Number 1 button:** Set chapter, title repeat
- **Number 2 button:** Set the A-B repeat.
- **Number 4 button:** Move to title menu while playing DVD.
- **Number 5 button:** Apply angle function.
- **File Info. button:** Show the information of file played.
- **Time Search button:** Move to a selected time of the file.
- **Prev. button:** Move to previous chapter.
- **Next button:** Move to next chapter.

Chapter 7: Format the Built-in HDD via USB

If the assembled HDD is not formatted, a PC will not detect the hard disk drive. If your harddisk is not formatted, follow the below mentioned instructions.

File System features

Please refer to the tables below for an overview:

File systems supported by different operating systems

Operating system \ File system	FAT	FAT32	NTFS
Windows 98SE	yes	yes	not supported
Windows ME	yes	yes	not supported
Windows 2000	yes	yes	yes
Windows XP	yes	yes	yes

Maximum size of a partition

Operating system \ File system	FAT	FAT32	NTFS
Windows 98SE	2 GB	60 GB ^{*1, 2}	n.a.
Windows ME	2 GB	2 TB ^{*2}	n.a.
Windows 2000	4 GB ^{*3}	32 GB	16 TB
Windows XP	4 GB ^{*3}	32 GB	16 TB

^{*1}: A patch for Windows 98SE is required for hard disk larger than 60 GB. Further information and an update to fix this problem can be found in article 263044 of the "Microsoft Knowledge Base" on the Microsoft Website under <http://support.microsoft.com>.

^{*2}: Hard disk capacity will not be displayed correctly by fdisk!

^{*3}: FAT partitions larger than 2 GB can only be administrated by Windows 2000/XP.

Example for different partitions with different file systems on one MediaPlayer-25 Drive-In Kit

Total size of the Drive \ File system	NTFS	FAT32
120 GB	90GB	30 GB

The example above is a good solution for Windows 2000/XP users who sometimes exchange data with Windows 98SE/ME PCs.

For storing the data under Windows 2000/XP both partitions can be used. As the NTFS file system is not recognized by Windows 98SE/ME data to be used on these operating systems must be stored on the FAT32 partition.

Please follow the steps below to adapt the MediaPlayer-25 Drive-In Kit for your needs.

7.1 Partitioning your MediaPlayer-25 Drive-In Kit under Windows 98SE / Windows ME

Windows 98SE only: The fdisk version which is installed together with your operating system does not recognize the correct size of hard disks larger than 64 GB.

Windows 98SE/ME: For large partitions fdisk will not display the partition size correctly! Please ignore this as the partitioning results will still be OK.

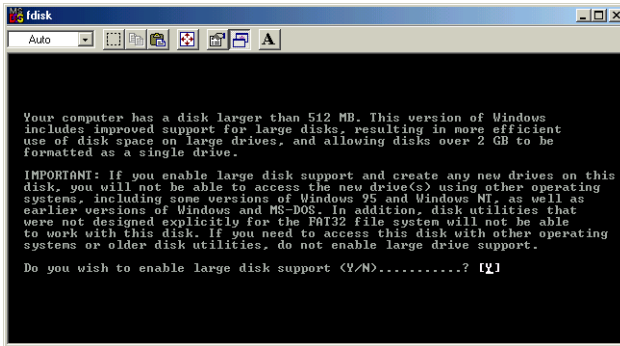
Further information and an update to fix this problem can be found in article 263044 of the "Microsoft Knowledge Base" on the Microsoft Website under <http://support.microsoft.com>.

Creating a partition on the MediaPlayer-25 Drive-In Kit under Windows 98 SE / ME

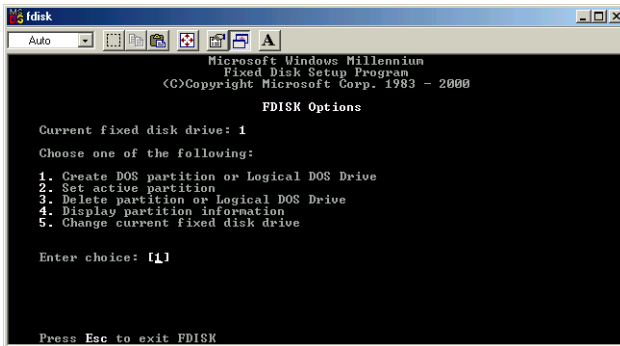
The following steps will guide you the process of creating partitions on your MediaPlayer-25 Drive-In Kit under Windows 98SE/ME. After this procedure your Freecom MediaPlayer-25 Drive-In Kit will be ready for use and it will be allocated a drive letter.

1. Click on the "Start" button.
2. Select "Run".

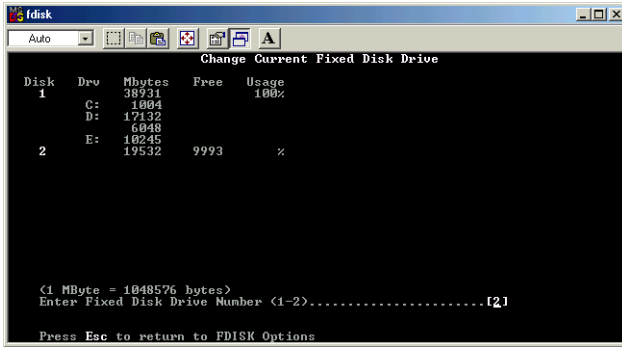
3. Enter "fdisk" and confirm with "OK".



4. Answer the question "Do you wish to enable large disk support?" by pressing the 'Return' key. FAT32 is now activated.
5. Choose Option "5 (Change current fixed disk drive)" by pressing '5' and 'Return'.



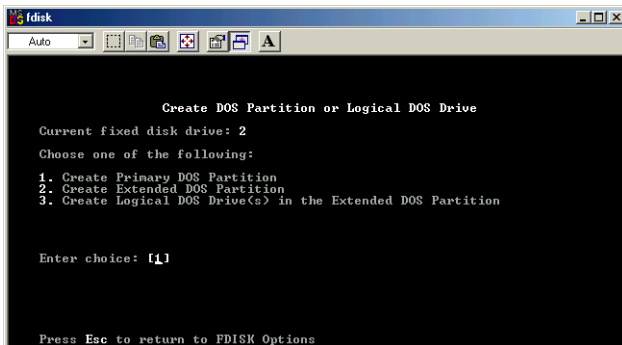
- Select the hard disk by its number where the "Usage" contains no value but only a percent symbol. Select the number of the corresponding hard disk and confirm by pressing the "Return" key.



Now your hard disk is activated and ready to be partitioned.

Note: Partition size of large hard disks will not be displayed correctly! However partitioning results will be OK.

- Select Option 1 "(Create DOS partition or Logical DOS drive)" by pressing '1' and confirm with 'Return'.
- Select Option 1 "(Create primary DOS partition)" by pressing '1' and confirm with 'Return'.



Wait until drive integrity is completely checked.

9. If only one partition is required then answer "Y" to the question: "Do you wish to use the maximum available size for a Primary DOS partition?" If more than one partition is required go to the next section "Create two or more partitions on the MediaPlayer-25 Drive-In Kit under Windows 98 / Windows ME".

Now the whole disk will be partitioned as one primary partition. Wait until the drive integrity check is completed.

10. Press the 'ESC' key to return to the fdisk options.
11. Now press the 'ESC' key to close the "fdisk window". Your hard disk is now partitioned.
12. Stop your hard disk by using the hot unplug icon in the lower right corner of your screen and remove the USB cable from your hard disk. Afterwards connect your hard disk again with your computer. The hard disk will now be recognized by Windows.

As Windows tries to access your hard disk an error message will appear. This happens, because your hard disk is not yet formatted.

Creating two or more partitions on the MediaPlayer-25 Drive-In Kit under Windows 98SE / ME

1. Repeat steps 1 to 7 from the previous chapter (Create one partition on the MediaPlayer-25 Drive-In Kit under Windows 98SE/Windows ME).
2. Answer the question "Do you wish to use the maximum available size for a primary DOS partition?" with "N".
3. Enter either the size or a percentage value for the partition size. Press 'Return' and wait until the drive integrity check is completed.
4. Press the 'ESC' key to return to the fdisk options.
5. Select Option 1 "(Create DOS partition or Logical DOS drive)" by pressing '1' and confirm with 'Return'.
6. Select Option 2 "(Create Extended DOS Partition)" by pressing '2' and confirm with 'Return'. Wait until the drive integrity check is completed.
7. Enter either the size or a percentage value for the partition size or press 'Return' to accept the default value.
8. Press 'ESC' to return and wait until the drive integrity check is completed.
9. A logical drive needs to be defined now. Enter the size of the logical drive and press 'Return' or accept the default value by pressing 'Return'.
10. Press 'ESC' to return to the fdisk options.
11. Now press the 'ESC' key to close the "fdisk window". Your hard disk is now partitioned.

12. Stop your hard disk by using the hot unplug icon in the lower right corner of your screen and remove the USB cable from your hard disk. Afterwards connect your hard disk again with your computer. The hard disk will now be recognized by Windows.

As Windows tries to access your hard disk an error message will appear. This happens, because your hard disk is not yet formatted.

Formatting partitions on the MediaPlayer-25 Drive-In Kit under Windows 98SE / ME

1. Double-click on the "My Computer" icon on your desktop.
2. Click with the right mouse button on the drive symbol of your MediaPlayer-25 Drive-In Kit. Now a menu will appear where you can choose the option "Format".
3. Please perform a complete formatting of your drive. You can also assign a name to your drive here.
4. After you have completed your selection, click on "Start".

Attention: Selecting the wrong drive will lead to a loss of your data. Please ensure that the correct drive is selected!

5. Confirm the next message with "OK".
6. After formatting is finished you can perform a disk scan. To do so, follow the instructions of the Windows Help system. If you don't want to scan your disk, just close the message window.

Repeat these steps for each partition if more than one partition was created.

Now your MediaPlayer-25 Drive-In Kit is ready for use. You can use it like an internal hard disk for storing your data.

Deleting a partition on the MediaPlayer-25 Drive-In Kit under Windows 98SE / ME

The following steps will explain how to delete a partition on your MediaPlayer-25 Drive-In Kit.

1. Click on the "Start" button.
2. Select "Run".
3. Enter "fdisk" and confirm with "OK".
4. fdisk will be started. Answer the question "Do you wish to enable large disk support?" by pressing the 'Return' key. FAT32 is now activated.
5. Choose Option 5 "(Change current fixed disk drive)" by pressing '5' and 'Return'.
6. Select the hard disk to be deleted by its number. ATTENTION: Please make sure that the correct drive is selected. Selecting the wrong drive will lead to a loss of your data!
7. Choose Option "3 (Delete partition or Logical DOS Drive)" by pressing '3' and 'Return'.
8. Select the partition to be deleted by pressing its number and 'Return'.
9. Enter the drive label and press 'Return'.
10. Confirm with 'Y' and 'Return' to delete the partition.
11. Press the 'ESC' key to return to the fdisk options.
12. Press 'ESC' to exit fdisk. Stop your hard disk by using the hot unplug icon in the lower right corner of your screen and remove the USB cable from your hard disk. Afterwards connect your hard disk again with your computer. The hard disk will now be recognized by Windows.

7.2 Partitioning your MediaPlayer-25 Drive-In Kit under Windows XP / 2000

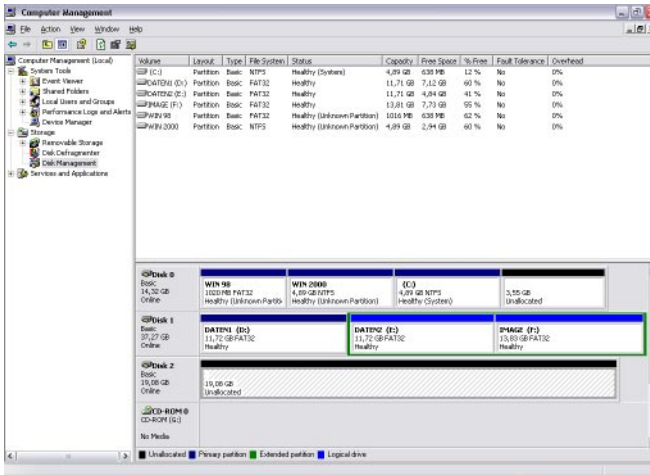
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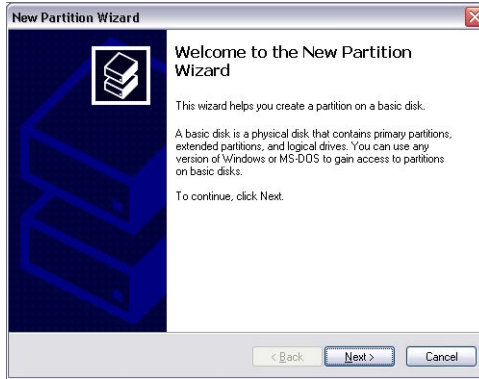
Creating a partition on the MediaPlayer-25 Drive-In Kit under Windows XP / 2000

The following steps will guide you through the process of creating partitions on your MediaPlayer-25 Drive-In Kit. After this procedure your Freecom MediaPlayer-25 Drive-In Kit will be ready for use and it will be allocated a drive letter.

1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose the hard disk, which is "unallocated". Ensure that the entire drive is "unallocated".



- Click with the right mouse button on the "unallocated" area and select the option "New Partition" (Windows 2000: "Create Partition Wizard"). The "New Partition Wizard" opens. Click on "Next".



- Select "Primary partition" and click on "Next".



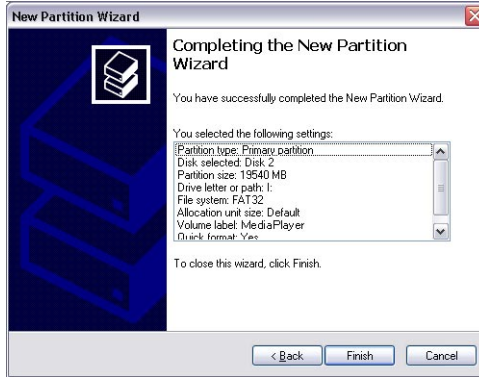
- Now you can adjust the size of your partition. Click on "Next" if only one partition is to be created. See next chapter (Creating two or more partitions on the MediaPlayer-25 Drive-In Kit under Windows XP/2000) how to create more than one partition.



- Assign a drive letter to your hard disk. Normally you can use the default options. Click on "Next".
- Select the formatting option. Choose either "FAT32" or "NTFS", the "Allocation Unit Size" should remain on "Default". Finally select "Perform Quick Format" and click on "Next".



- Click on "Finish" to complete the partitioning of your MediaPlayer-25 Drive-In Kit. Your MediaPlayer-25 Drive-In Kit will be formatted now and is ready-to-use afterwards.



Creating two or more partitions on the MediaPlayer-25 Drive-In Kit under Windows XP / 2000

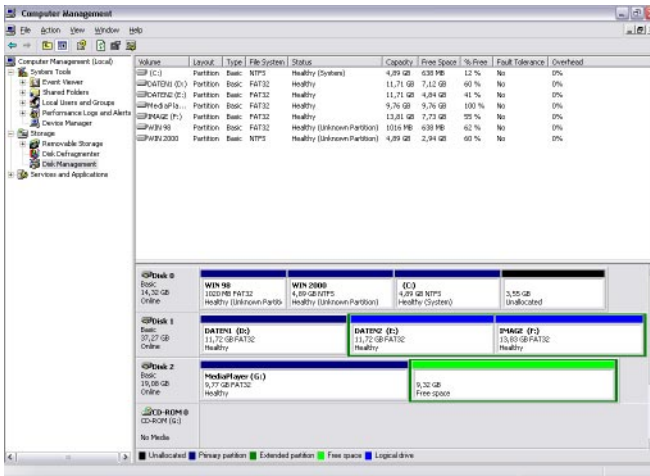
1. Repeat the steps from the previous chapter (Creating a partition on the MediaPlayer-25 Drive-In Kit under Windows XP/2000) for creating the first partition.
2. Click with the right mouse button on the "My Computer" icon on your desktop.
3. Select the option "Manage".
4. Select the option "Storage" -> "Disk Management".
5. Right-click on the unallocated space of your MediaPlayer-25 Drive-In Kit and select the option "New partition" (Windows 2000: "Create partition"). The "New Partition Wizard" (Windows 2000: "Create Partition Wizard") opens. Click on "Next".
6. Select "Extended partition" and click on "Next".



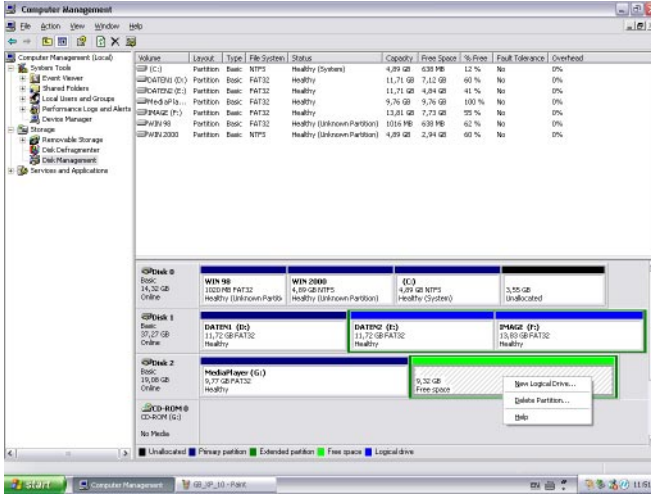
7. Now you can adjust the size of your partition. Enter the size and click on "Next".



8. Click on "Finish" to create the "Extended partition". The unallocated space now changed to "Free space".



9. Right-click on "Free Space" and select "New Logical Drive" (Windows 2000: "Create Logical Drive"). The "New Partition Wizard" (Windows 2000: "Create Partition Wizard") opens. Click on "Next".



10. "Logical drive" is already selected. Click on "Next".
11. Specify the partition size and click on "Next".
12. Assign a drive letter and click on "Next".
13. Select the formatting option. Choose either "FAT32" or "NTFS", the "Allocation Unit Size" should remain on "Default". Finally select "Perform Quick Format" and click on "Next".
14. Click on "Finish" to complete partitioning. Your partition will be formatted now and is ready-to-use.

Deleting a partition on the MediaPlayer-25 Drive-In Kit under Windows XP / 2000

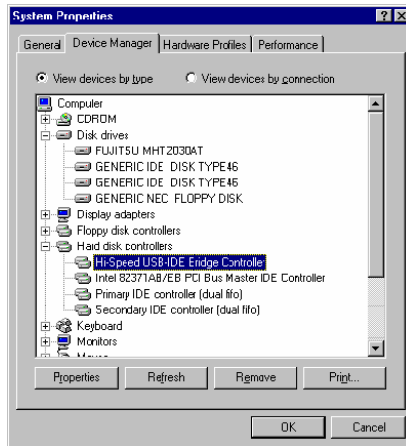
1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose your external hard drive and right-click on the partition.
5. Select "Delete Partition" and confirm by clicking on "Yes". The partition will be deleted now.

Appendix

Check the Driver Installation for the player in Windows

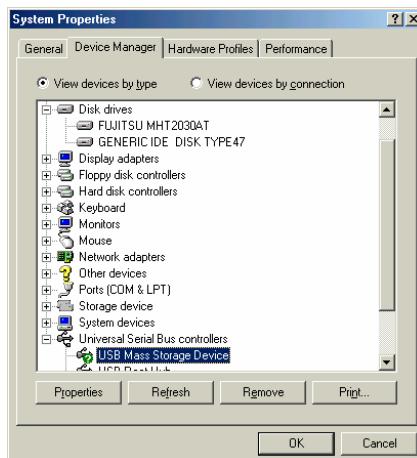
Windows 98SE

Check at [Start > Settings > Control Panel > System > Device Manager > Hard disk controllers > Hi-Speed USB-IDE Bridge Controller]



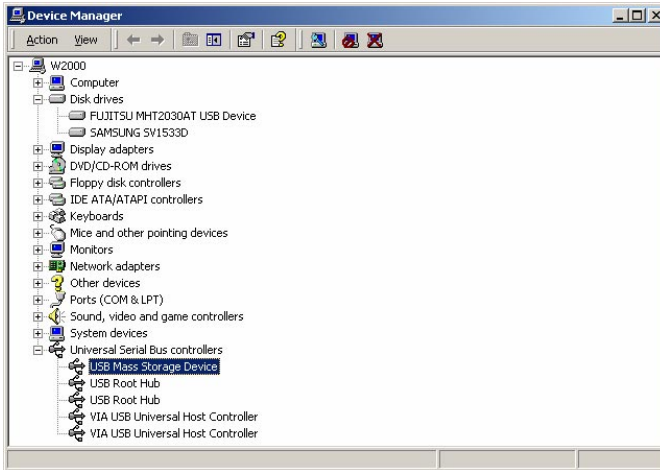
Windows ME

Check at [Start > Settings > Control Panel > (view all Control Panel options) > System > Device Manager > Universal Serial Bus controllers > USB Mass Storage Device]



Windows 2000/XP

Check at [Start > Settings > Control panel > (switch to classic View on Windows XP) > system > Hardware > Device manager > Universal Serial Bus controllers > USB Mass Storage Device]



Product Specifications

Product Name	Freecom MediaPlayer-25 Drive-In Kit
Power	DC 5V/2A
Weight	130g (without HDD)
Dimension	80 x 148 x 24 mm
Working Temperature	0° C ~ 5° C
Working Humidity	10% ~ 75%
Available OS	Windows 98SE/ME/2000/XP, Mac OS X higher, Linux 2.4 higher
PC Interface	480Mbps USB 2.0 High-Speed(USB 1.1 compatible)
HDD Type	2.5" IDE HDD
HDD File System	FAT32, NTFS
TV Type	PAL, NTSC

Supported Formats

Movie	MPEG 1, 2, 4 (MPG, MPEG, AVI, M2V, DAT, VOB, etc) DivX, XviD (except GMC, Qpel option applied format)
Music	MP3, OGG Vorbis, WMA, WAV
Photo	JPG

Video Output

Composite	1Ch. : 1.0Vp-p (75Ω load) Color Signal : 1.0Vp-p (75Ω load)
S-Video	Luminance Signal : 0.286Vp-p (75Ω load)
Component	Y : 1.0Vp-p (75Ω load) Pr : 0.70Vp-p (75Ω load) Pb : 0.70Vp-p (75Ω load)

Audio Output

Stereo 2Ch	Left (1/L) Right (2/R)
Digital Out	(Coaxial) 0.5 Vp-p(75.)
Audio Sampling Rate	32, 44.1, 48, 88.2, 96KHz
S/ N (Signal to Noise) Ratio	99dB
Dynamic Range	92dB
Harmonic Frequency Distortion	0.01%

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Conditions

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USB Floppy Disk Drive
USBCard (Pro)
USB 2.0 CardReader
DAT & LTO Drives (retail)
DAT-S Kits
ThinServer*
Beatman
Cables

Warranty period

1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)
3 years
2 years
1 year (Two years in Europe)
1 year (Two years in Europe)
1 year (Two years in Europe)

* Controller inside 3 years after online registration only.

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