

ICY BOX®

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User Manual

IB-MP3010HW

Multimediaspinner and Recorder



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1. INTRODUCTION

1.1 Preface

Dear Customer,

Thank you very much for purchasing this Home Multimedia Center with stronger function support. In the digital era, this product is quite suitable to be a home entertainment partner. With its outstanding designed features, you can enjoy movie and music, view photos of precious moments, and record your favorite TV or movie programs to make up for your regret of not being able to enjoy them in time. The editing function provides you with an easy way to save the essential part. The IB-MP3010HW can also backup the data in digital camera without PC. It's a good choice to use this product as a portable storage device for its built-in HDD and high-speed USB 2.0.

This player has main functions as follows:

Movie Playback – supports DAT (VCD), VOB (DVD), IFO (DVD), MPG (MPEG-2/1), AVI (MPEG-4 ASP: XviD), and MPEG-2 TS files; resolution up to 1080i;

Video Recording – supports one button recording and schedule recording in MPG format, can easily record programs from TV, DVD player and DV, and save as MPEG-2 (.mpg) format; also can edit the recorded titles;

Music Playback – supports MP3, OGG, and WMA* files, supports one button playlist music playback;

Photo Playback – supports digital camera JPEG, and BMP files;

Data Storage – works as a portable hard disk using USB 2.0 port.

Network Function – Ethernet & WLAN streaming playback and NAS function (Wireless function supported by the optional Wireless LAN USB Adapter).

We hope that this product will bring you a lot of enjoyment. We are committed to apply multimedia technology to work, entertainment, family, daily life, car and everywhere in the world. Welcome to be with us. Thank you again for choosing our IB-MP3010HW.

**Notice: WMA Pro & Advanced Profile and WMA with DRM are not supported*

1.2 Packing List

Part	Quantity	Part	Quantity
Player	1	Remote Control Battery	2
A/V cable	1	AC adaptor	1
Y/Pb/Pr cable	1	AC adaptor cable	1
SCART adaptor	1	User Manual	1
USB cable	1	Driver CD	1
Remote Control	1	Hard Disk Installation Guide	1
Wireless LAN USB Adapter	1		

Note: The actual contents in the package might be different from the packing list in this manual.

1.3 Caution

This player's design and manufacture has fully aware about safety. In order to safely and effectively use this player, please read the following before usage.

The IB-MP3010HW is a Networkmediaplayer and requires some knowledge about network issues, in order to connect the IB-MP3010HW perfectly to your home network. Make sure the perfect configuration of your network components before you start-up the IB-MP3010HW.

ICY BOX retains the right to continually improve the product. These changes may be made without being directly described in these operation instructions. For this reason, the information provided in these operation instructions may not reflect the current state of the art.

1.3.1 Usage cautions

User should not modify this player. If commercial hard disk is being used, the environmental temperature should be within +5°C ~ +35°C.

1.3.2 Power

The player's power voltage: DC 12V.

When using this player, please connect the supplied AC adaptor or AC adapter cable to the player's power jack. When placing the adapter cable, make sure they won't get damage or pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the player in humid or dusty area. Do not replace the adapter or cable's wire or connector.

1.3.3 Radio interference/compatibility

- If not properly shielded or fully radio compatibility supported, almost all electronic device will get radio interference. Under some conditions, your player might get interference.
- The design of this player has followed the FCC/CE standard, and has followed the following rules:
 - (1) This player may not cause harmful interference;
 - (2) This player could accept some interference received including interference that may cause undesired operation.

1.3.4 Repair

If the player has any problem, you should bring it to appointed repair center and let specialist to do the repair, never repair the player yourself, you might damage the player or endanger yourself or your data.

1.3.5 Disposing of the player

When you dispose of the player, be sure to dispose it appropriately. Some countries may regulate disposal of electrical device, please consult with your local authority.

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1.3.6 Hard disk cautions

The player uses an internal hard disk for data storage, in normal case, format or repair is not required.

If you bought the IB-MP3010HW without HDD you need to install a 3.5" SATA HDD. Please refer to the HDD Installation guide inside the package.

Only in our company suggested condition should you format the hard disk.

- Physical impact may create bad sector in the hard disk, you can use CHKDSK to fix the problem.
- All data store in the player may be lost due to physical impact, electrical shock, power lost, HDD format etc. Please backup your data.
- It is suggested to do defragment after a long period of usage.
- Regularly backup the data in the hard disk so that it can be recovered in the event of data corruption or loss. Our company takes no responsibility on loss of data stored on the hard disk.

1.3.7 Others

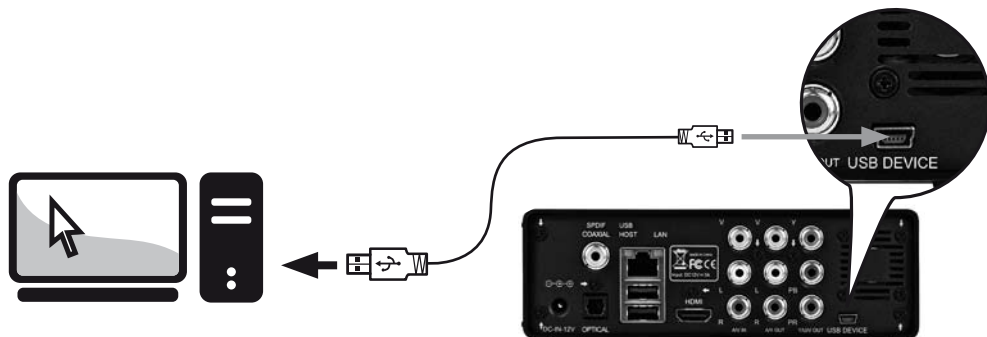
When using this player, please do not let the player come into contact with water or other liquid, if water is accidentally spill on the player, please use a dry cloth to absorb the spillage. Electronic products are vulnerable, when using please avoid shaking or hitting the player, and do not press the buttons too hard.

- Do not let the player come into contact with water or other liquid.
- Do not disassemble the player, repair the player or change the design of the player, any damage done will not be included in the repair policy.
- Do not press the buttons of the player too hard.
- Avoid hitting the player with hard object, avoid shaking the player, and stay away from magnetic fields.
- During electrostatic discharge and the strong electromagnetic field, the product will malfunction, then unplug the power cable and the product will return to normal performance next time it is powered on.

1.4 Connection

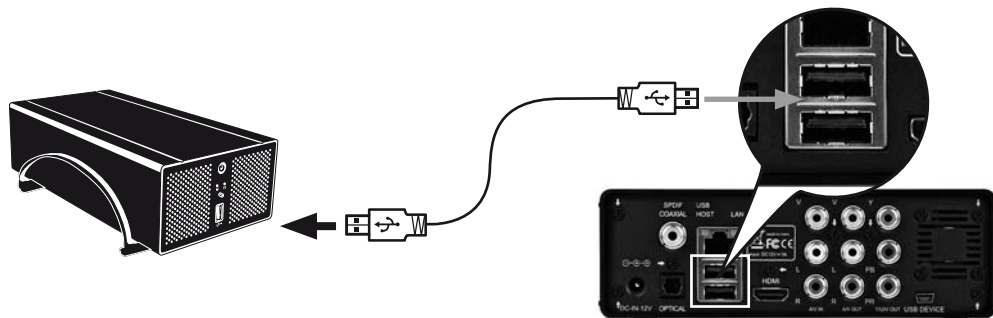
1.4.1 Connect to Computer

- (1) Make sure the player is powered on;
- (2) Plug in the mini connector of the USB cable to this player's USB DEVICE port;
- (3) Plug in the big connector of the USB cable to Computer.



1.4.2 USB mass storage device (like U disk, MP3, USB HDD etc.) Connection

- (1) Make sure the player is powered on;
- (2) Plug in the U disk or USB HDD etc. to one of the USB host ports of this player.

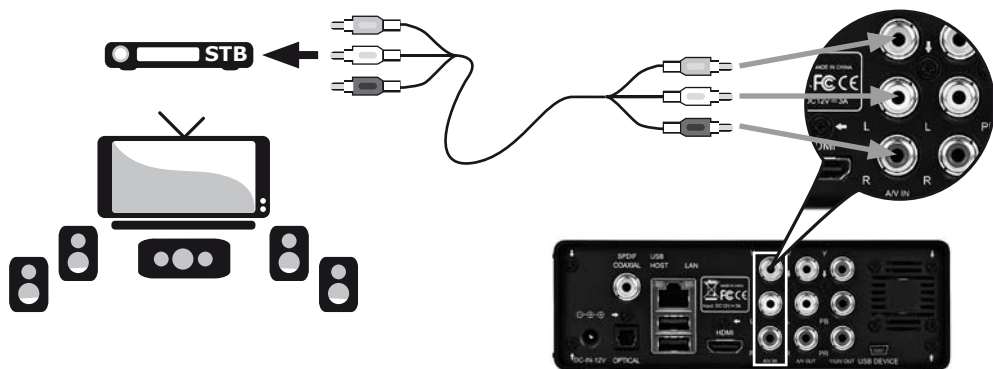


1.4.3 Audio/Video connection

1. A/V IN

- (1) Follow the picture and plug in the 3 color connector to the player's A/V IN jack;
- (2) Follow the picture and plug in the 3 color connector to the A/V OUT jack of the TV/IPTV Set-Top Box (STB).

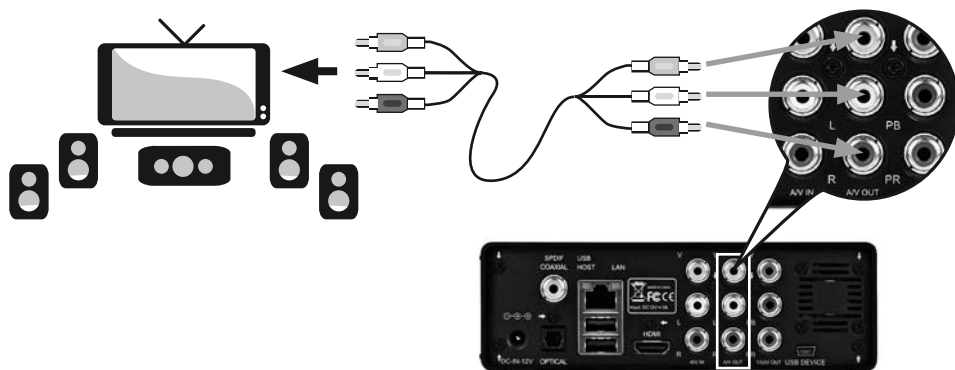
In this way, you can record TV programs from the TV/IPTV Set-Top Box.



2. A/V OUT

- (1) Follow the picture and plug in the 3 color connector to the player's A/V OUT jack;
- (2) Follow the picture and plug in the 3 color connector to the TV's A/V IN jack.

In this way, you can enjoy the content in the player on TV or other display devices.



3. Y/Pb/Pr OUT

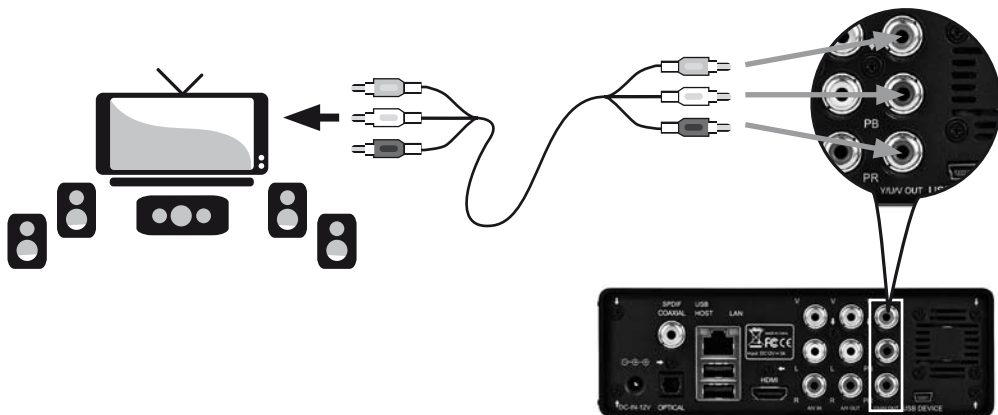
- (1) Follow the picture and plug in the 3 color connector to the player's Y/Pb/Pr jack;
- (2) Follow the picture and plug in the 3 color connector to the TV's Y/Pb/Pr jack.

Audio Connection while using Y/Pb/Pr Video out:

First method: use the audio output from the A/V OUT jack;

Second method: use the audio output from the S/PDIF Coaxial or Optical jack.

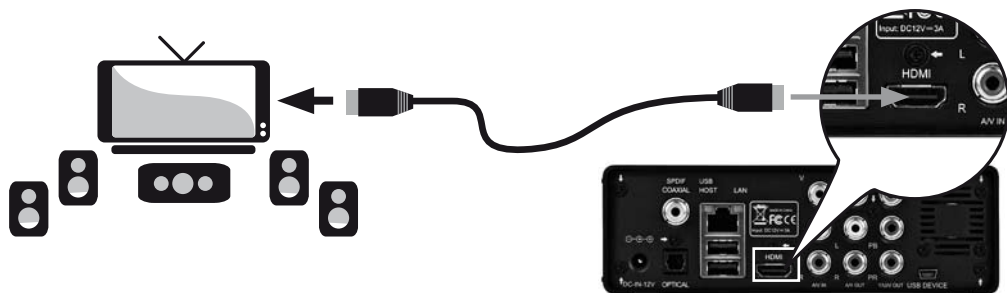
In this way, you can also enjoy videos, music, and photos in the player on TV.



4. HDMI

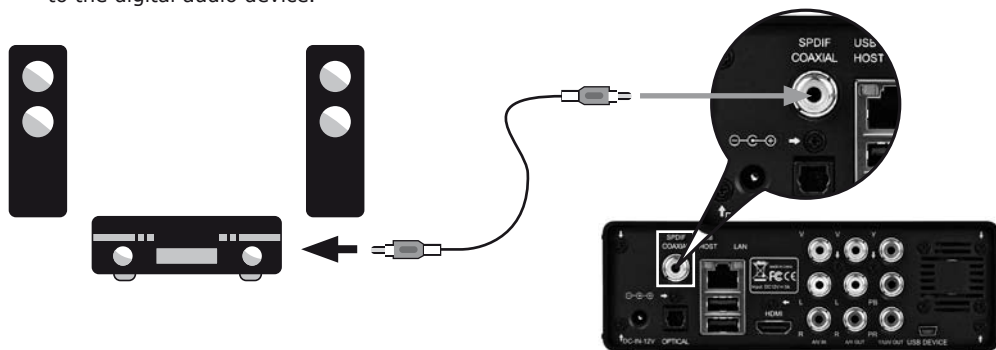
- (1) Follow the picture and plug one connector on your HDMI cable to the player's HDMI jack;
- (2) Follow the picture and plug the other connector on your HDMI cable to the TV's HDMI jack.

In this way, you can have the highest quality video and audio via a single cable.



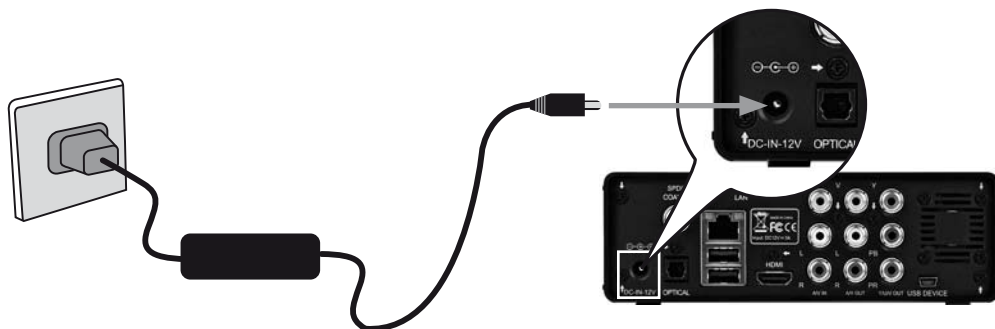
1.4.4 Digital Audio Device connection

- (1) Follow the picture and plug in the RCA connector on your coaxial cable to the player's S/PDIF Coaxial jack. Or if you use optical fiber, please plug in the Toslink connector on your optical fiber to the player's S/PDIF Optical jack;
- (2) Follow the picture and plug in the other connector on your coaxial cable or optical fiber to the digital audio device.



1.4.5 Power connection

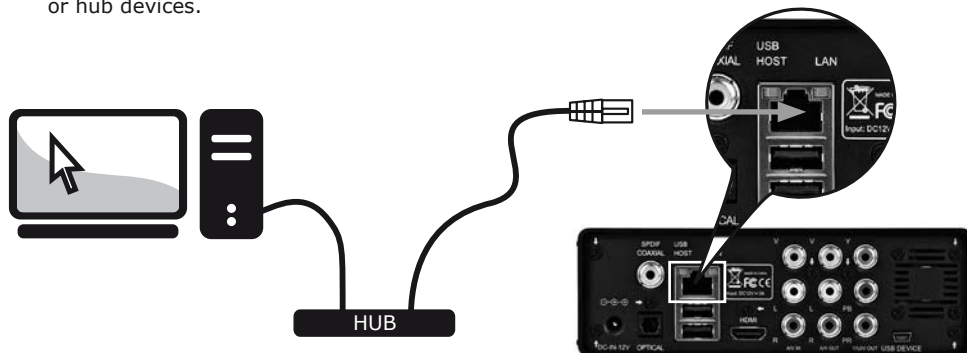
- (1) Follow the picture and connect the AC adaptor to the player's DC IN jack;
- (2) Follow the picture and plug in the AC adaptor to the power outlet.



1.4.6 Network connection

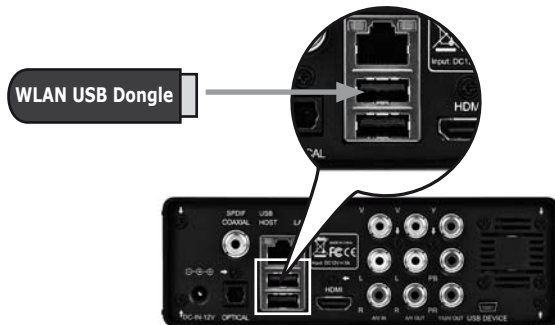
Before the following steps, you need to find a network cable (Cat5, Cat5e or Cat6) for LAN connection.

- (1) Connect one of the crystal plugs on the cable to the player's RJ45 socket;
- (2) Connect the other crystal plug on the cable to a RJ45 LAN port on your router, switch, or hub devices.



1.4.7 WLAN connection (with ICY BOX WLAN USB Adapter)

- (1) Make sure the player is powered on;
- (2) Plug the Wireless WLAN USB Adapter (only the delivered ICY BOX adapter) to the USB HOST port of the player.



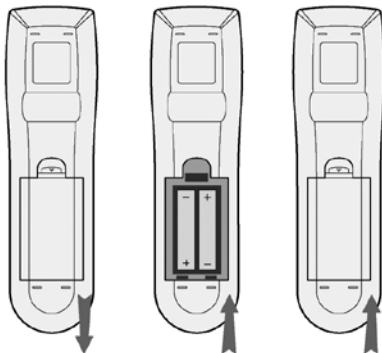
1.5 First Time Usage

1.5.1 HDD Format

For users who bought the player without HDD inside, and want to install the SATA HDD by himself, please see "HDD Format" in "6.5 Changing System Settings" for details.

1.5.2 Remote Control

First time usage of Remote control:
Install the battery before using the remote control, installation steps are as the picture shows:



1.5.3 Power on/off, language control

1. Power on

After connect to power, press the POWER button to turn on the player; after the player is on, the LED on the front panel will light in Blue color, wait for couple of seconds to enter the system.

2. Power off

In playback and other interface, press the POWER button to turn off the player, when power off the player will prompt you that the system is being shut down. After the system is shut down, the LED on the front panel will turn red.

3. Language control

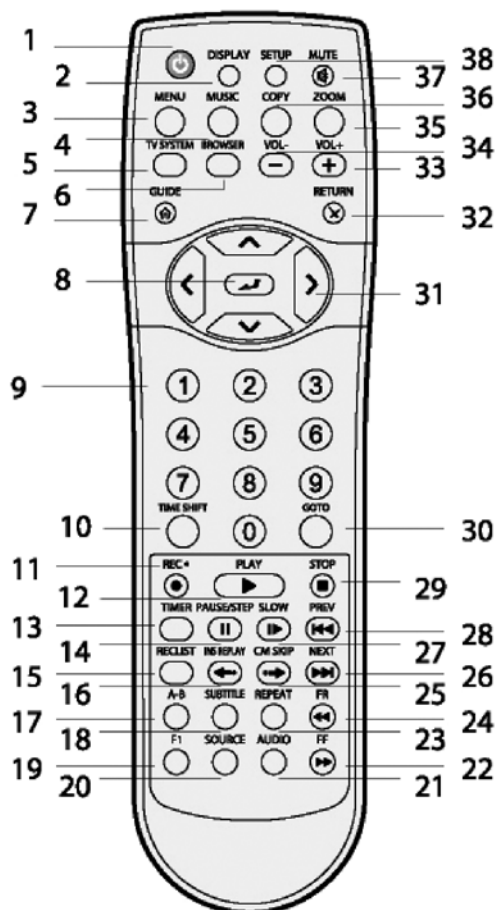
The system language of this player can be set to English or other languages. In setup interface, the selected language will take effect immediately.

2. ABOUT THE PLAYER










2.1 Remote Control


















All procedures in this manual can be carried out using the remote control buttons.

See the following for details on each button and its function:














1	POWER	2	DISPLAY
3	MENU	4	MUSIC
5	TV SYSTEM	6	BROWSER
7	GUIDE	8	ENTER
9	Numeric buttons	10	TIME SHIFT
11	REC	12	PLAY
13	TIMER	14	PAUSE/STEP
15	REC LIST	16	INS REPLAY
17	A-B	18	SUBTITLE
19	F1	20	SOURCE
21	AUDIO	22	FF
23	REPEAT	24	FR
25	CM SKIP	26	NEXT
27	SLOW	28	PREV
29	STOP	30	GOTO
31	Navigation buttons	32	RETURN
33	VOL+	34	VOL-
35	ZOOM	36	COPY
37	MUTE	38	SETUP

No.	Button	Function
1		POWER button: Press to power on/off.
2		DISPLAY button: Press to display current status. <ul style="list-style-type: none"> - Press during playback and an onscreen display appears, showing track number and time elapsed/remaining. - Press during recording and an onscreen display appears, showing the recording quality setting and time elapsed. - Press during live TV and an onscreen display appears, showing the current channel number and time. - Press during time shifting to turn the time shifting bar on/off.
3		MENU button: Press to activate tools menu. <ul style="list-style-type: none"> - Press in the Browser Menu to rename and delete files, or add music to playlists. - Press in My_Shortcuts in NET of the Browser Menu to add shortcuts for network access.
4		MUSIC button: When the machine is not playing, recording or connected with PC by a USB cable, press the button to start playback music in the first nonempty playlist . Press the button again to switch to the next playlist and playback music.
5		TV SYSTEM button: Press to switch between NTSC, PAL, 480P, 576P, 720P, and 1080I.
6		BROWSER button: Press to browse music, photo, and movie files on HDD, USB and NET.
7		GUIDE button: Press to view the GUIDE menu. See " The GUIDE Menu " in " 3. Getting Started " for more details.
8		ENTER button: Press to select options in menus.
9		Numeric buttons: Press to enter channel numbers or numeric input when changing settings.

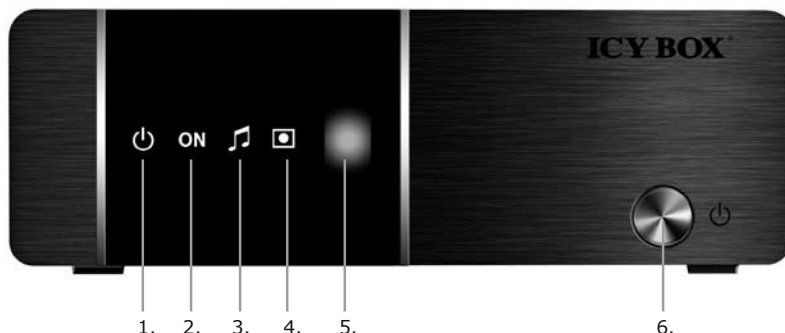
10		<p>TIME SHIFT button:</p> <p>While in Video In mode, press to activate the time shift function, which allows you to pause live TV and resume the program from the point you left it. While paused, the program is recorded to the HDD or USB device, as long as space is available.</p> <p>Press  to activate TIME SHIFT function and wait for the PLAY arrow to appear on the screen.</p> <p>Press  and the program will be paused. Press to resume viewing the program.</p> <p>Time shift mode remains active until you press .</p>
11		<p>RECORD button:</p> <p>Press to begin recording or to resume when recording has been paused. Press repeatedly to set one touch recording (OTR) length (30 MIN. / 60 MIN. / 90 MIN. / 120 MIN. / 180 MIN. / 240 MIN. / Off).</p>
12		<p>PLAY button:</p> <p>Press to begin playback of a title.</p>
13		<p>TIMER button:</p> <p>Press to enter the Timer Menu directly to add, edit and delete recording schedules. See "5.1 Creating a New Schedule" for more details.</p>
14		<p>PAUSE / STEP button:</p> <p>Press to pause current playback. Press again to step to the next frame.</p> <p>Press  to resume playback.</p>
15		<p>REC LIST button:</p> <p>Press to show the recording List.</p>
16		<p>INSTANT REPLAY button.</p> <p>Press to backward 10 seconds of the current playback, which suitable for sport program.</p>
17		<p>A-B button:</p> <p>Press to set the beginning and end points of a section to repeat.</p>
18		<p>SUBTITLE button:</p> <p>Press to activate available subtitles.</p>
19		<p>F1 button:</p> <p>Reserved button. No function has been assigned to it yet.</p>
20		<p>SOURCE button:</p> <p>Press to select input source. See "3.1 Selecting Video In" for more details.</p>
21		<p>AUDIO button:</p> <p>Press to select an audio track.</p>
22		<p>FAST FORWARD button:</p> <p>Press to fast forward the current playback. Press repeatedly to select speeds.</p>

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23		REPEAT 1/ALL button: Press to set repeat option - Chapter, Title or Off.
24		FAST REWIND button: Press to fast rewind the current playback. Press repeatedly to select speeds.
25		CM SKIP button: Press to advance 30 seconds when in playback or record mode.
26		NEXT button: Press to go the next chapter on a title.
27		SLOW MOTION button: Press to play back in slow motion. Three motion settings are available. Press to resume regular playback.
28		PREVIOUS button: Press to go the previous chapter on a title.
29		STOP button: Press to stop playback.
30		GOTO button: Press to jump to a specific point on a title. Specify the point using Title, Chapter and Time.
31		Navigational buttons: Press the arrow buttons to select menu options.
32		RETURN button: Press to return to the previous screen when navigating menus.
33		VOL+ button: Press to increase the volume.
34		VOL- button: Press to decrease the volume.
35		ZOOM button: Press to zoom in/out the image (photo or video).
36		COPY button: Press to enter the file copy menu.
37		MUTE button: Press to mute audio output, and press again to resume.
38		SETUP button: Press to access the Setup Menu directly.

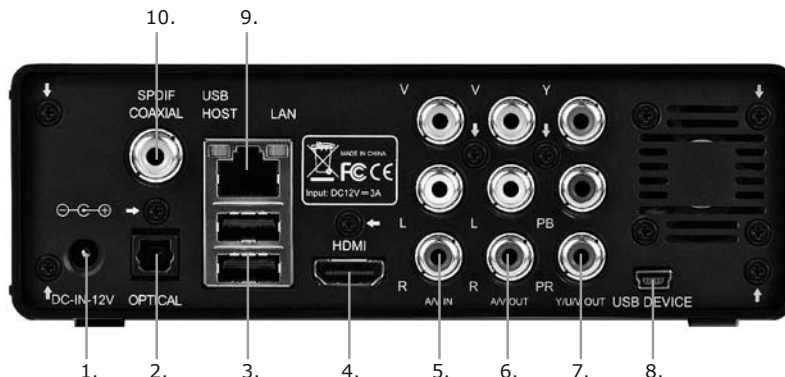
2.2 Front Panel

No.	Name	Function
1.	STANDBY indicator	Indicator (red) turns on when the system is in standby mode.
2.	ON indicator	Indicator (blue) turns on when the system is alive.
3.	MUSIC indicator	Indicator (blue) turns on during music playback.
4.	REC indicator	Indicator (red) turns on when recording starts.
5.	Infrared receiver window	receiving ir signals from the remote control.
6.	POWER/STANDBY button	Press to enter standby mode or wake up.



2.3 Rear Panel

- | | |
|------------------------|--|
| 1. DC IN jack | 6. A/V OUT jack |
| 2. S/PDIF Optical jack | 7. Y/Pb/Pr OUT jack (Components Video) |
| 3. 2x USB HOST port | 8. USB Device port |
| 4. HDMI jack | 9. RJ45 LAN socket |
| 5. A/V IN jack | 10. S/PDIF Coaxial jack |



3. GETTING STARTED


Power on the system, and after a few seconds, the system will enter a GUIDE menu.

To enter this menu, press  on the remote control too.

3.1 Selecting Video In



To pre-view the video to be recorded, or have time shift function.

To select an input source, press  on the remote control or select **Video In** button on the **GUIDE** menu page.

3.2 Selecting Playback


A clip recorded in HDD or USB device is called a Title.

Playback the recorded video, you can also Rename/Delete the recorded video titles.


Press  on the remote control or select **Playback** button on the main menu page to access Title List.

3.3 Selecting Browser

You can browse all the multimedia (Videos/ Music/Photos) files on the internal HDD/USB/Card/ or Network and playback them on TV.

Press  on the remote control or select **Browser** button on the **GUIDE** menu page to browser movie, photo, and music files stored either on a HDD, USB device or Network.


3.4 Selecting Setup

To enter the setup menu, select  on the remote control or select **Setup** button on the **GUIDE** menu page.

3.5 Selecting Playlist

To enter the music playlist menu, select Playlist button on the **GUIDE** menu page.

4. THE TITLE LIST MENU FOR RECORDED VIDEOS

The **Title List** menu allows you to play and edit all saved titles. To enter the menu, press  to enter Title List. To select **Playback** from the **Guide** menu will enter the Title List also.







4.1 Title List Menu



No.	Function	Description
1	Menu Bar	Press  or  to scroll through the menu. Here you can Play / Delete / Rename / Sort / Edit a recorded title.
2	Title Lists	Here lists all recorded titles. Here you can see thumbnail / length / quality / recorded channel / recorded date & time of a title. A ★ sign shows this recorded title has not been watched. A  sign shows this title is been recording now.
3	Information	Here you can see a playback progress bar of a title, the remained free space of HDD, and remained recording time of each quality.
4	Preview	Shows the preview window.








4.2 Playback Titles

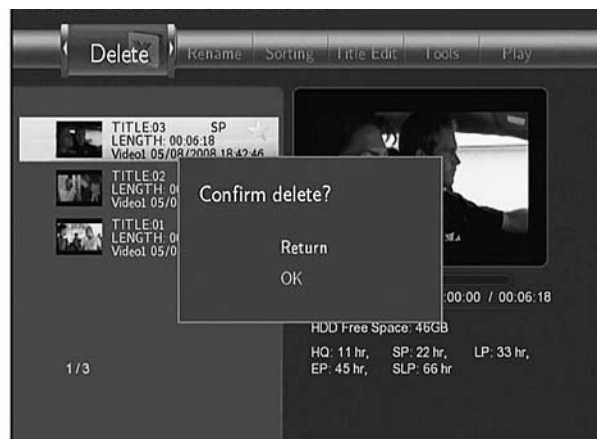
To rename a title, do the following:

1. Press  and  on the remote control to select the **Play** tab from the menu bar.
2. Press  and  on the remote control to select the title you wish to play.
3. Press  on the remote control or the **ENTER** (Play) button on the front panel to play the file.
4. Press  on the remote control or the **CANCEL** (Stop) button on the front panel to stop playback and return to the Title List menu screen.

4.3 Deleting Titles






To delete a title, do the following:

1. Press  and  on the remote control to select the file you wish to delete;
2. Press  on the remote control, and select **Delete** in the edit menu;
3. Press  to confirm and delete the file.
4. A confirmation message appears. Press  or  and select **OK**.
5. Press  to delete the selected file. To cancel delete, select **Return**.





4.4 Renaming Titles

To rename a title, do the following:

1. Press  and  on the remote control to select the **Rename** tab from the menu bar.
2. Press  and  on the remote control to select the file you wish to rename.
3. Press  on the remote control. The name entry screen appears.






4. Use the navigation arrows to select letters and numbers. Select **CAPS** to toggle between uppercase and lowercase letters. Press **<-** to delete a letter. Press **->** to insert a space.
Press  to input each letter or number.
5. Once you have entered the new name, select **OK** and press  to confirm all changes.






If you want to cancel the naming during the process, press






4.5 Sorting Files

- Press  and  on the remote control to select the **Sorting** tab from the menu bar.
- Press  and the menu appears.


























	Return	Select to return to the main screen.
	Title Number	Select to sort all files according to title numbers.
	Recording Time	Select to sort all files according to the length of the recordings
	Title Name	Select to sort all files alphabetically, according to title name.
	Fresh Titles	Select to sort all files according to freshness (i.e. the most recent recordings), listing the most recent recording first.





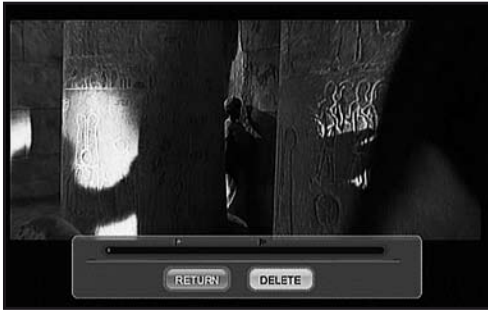



4.6 Title Edit Menu

- Press  and  on the remote control to select the **Title Edit** tab from the menu bar.
- Press  and the menu appears.






	Return	Select to return to the main screen.
	Set Thumbnail	<p>Select to change a thumbnail of the selected video. Press  or  on the remote control to select Set Thumbnail, an editing screen appears. You can press  or  to fast forward or fast rewind when searching a proper point. When you reach the point at which you wish to insert a thumbnail, press  or  to select CONFIRM and press .</p> 
	AB Erase	<p>Delete a specified clip in a title.</p>  <p>Select SET A and press  to mark the start for the section to be deleted. Select SET B and press  to mark the end of the section to be deleted. Select CONFIRM and press  to delete the section.</p>

	Split Title	<p>Select a title and divide them into sections. When you reach the point at which you wish to split the track, press  to confirm.</p> 
	Merge Title	 <p>Select more than two titles and combine them into one title. A confirmation message appears.</p> <p>Select CONFIRM to merge the files.</p>
	Add Chapter Mark	<p>Add a chapter mark to the selected file. A chapter mark is a marker inserted into the title. You can jump between marked sections by pressing  or  on the remote control. An editing screen appears. When you reach the point at which you wish to add the mark, press  to confirm.</p> 



	<p>Remove Chapter Mark</p>	<p>Remove a chapter mark that you have inserted. An editing screen appears.</p> <p>Use  and  to select the mark you wish to remove and press  to delete.</p> 
	<p>Copy to FAT32 partition</p>	<p>Copy function.</p> <p>In the Title List Menu, press  or  on the remote control to select which title you want to copy from UDF partition to FAT32 partition.</p>

4.7 Tools

Press  and  on the remote control to select the **Tools** tab from the menu bar.

Press  and the menu appears.




	Return	Select to return to the main screen.
	Delete All Title	Select to delete all titles.



4.8 Saving Your Recorded Titles

All the recorded titles are stored temporarily in a recording disc partition (UDF format) which cannot be identified by personal computers. If you want to share the recorded titles on your computer, please copy the titles from the recording disc to the multimedia disc which is in FAT32 format first. See Copy to FAT32 partition in 4.6 Title Edit Menu for more details.

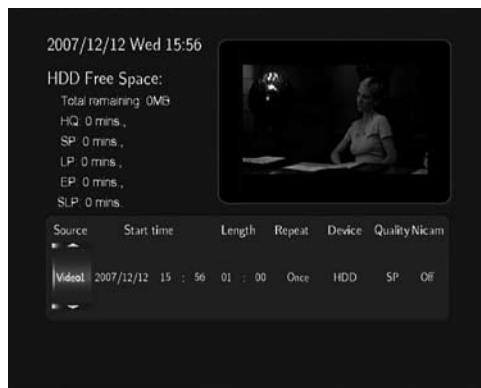
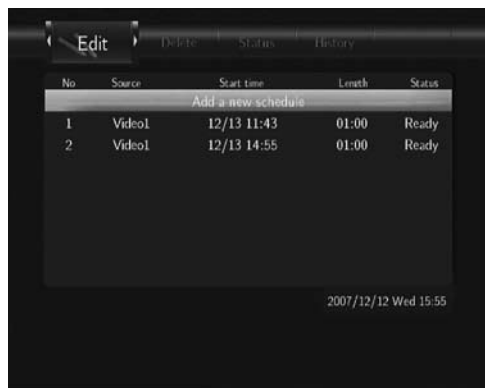
5. TIMER RECORD MENU





The **Timer Record** menu allows you to create, edit and delete recording schedules and view all schedule status and history. Press  on the remote control to enter the menu.

5.1 Create a New Schedule

Press  and  on the remote control to select the **Edit** tab from the menu bar.



Select **Add a New Schedule** and press . The schedule setting screen appears.

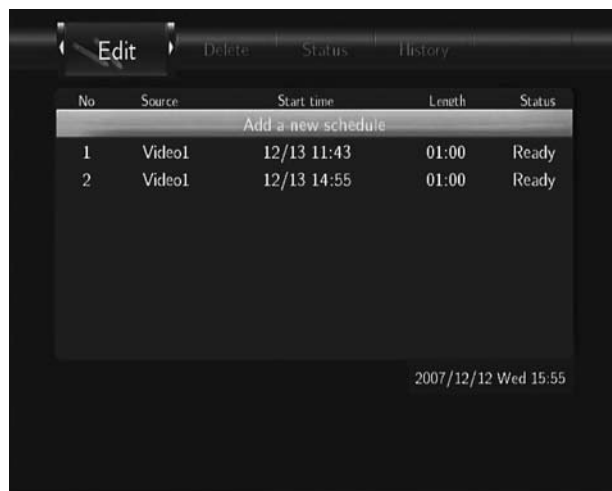



Use  and  on the remote control to move between fields and Press  and  to adjust each setting.

Start Time	Enter the date and time of the recording.
Length	Enter the length of the recording
Repeat	Select how often you want the schedule to record. Choose from Once, Every-day, Mon-Fri, Mon-Sat or for an individual day of the week.
Quality	Select the recording quality. Choose from HQ, SLP, EP, LP and SP. The higher the quality, the more space required on the hard drive. See HDD Free Space on the left of the screen for details of how long you can record for using each setting.
Preview	This small preview window will show the current program of the select channel.




5.2 Editing Schedule

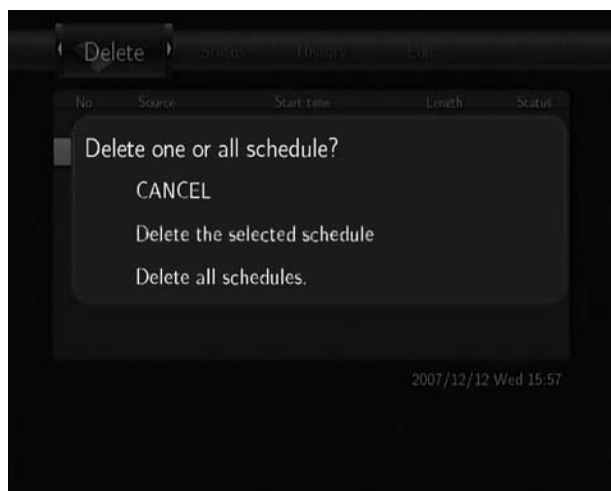
Press  and  on the remote control to select the **Edit** tab from the menu bar.



Select the schedule you want to edit from the list and press . The schedule setting screen appears. Modify the schedule as described in "**5.1 Creating a New Schedule**".



5.3 Deleting Schedules

Press  and  on the remote control to select the **Delete** tab from the menu bar. Select the schedule you want to delete and press . A confirmation message appears.

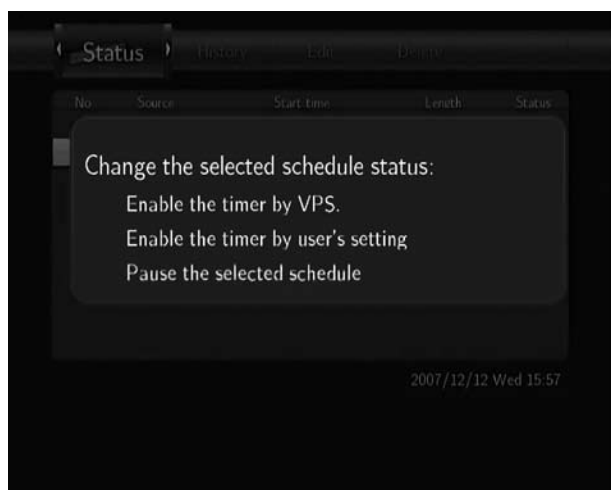


Select **CANCEL**, **Delete the selected schedule** or **Delete all schedules**. Press  to confirm.

5.4 Viewing Schedule Status



Press  and  on the remote control to select the **Status** tab from the menu bar.

The schedule list is displayed. Select a schedule and press .



Select **Enable VPS**, **Disable VPS** or **Pause the selected schedule**. Press  to confirm.

5.5 Viewing Recording History

Press  and  on the remote control to select the **History** tab from the menu bar.

Here you can view a complete history of all recordings that were set.



Result	Source	Start time	Length	Device
OK	Video1	12/12 11:47	01:00	HDD
FAIL	Video1	12/12 11:48	01:00	HDD
FAIL	Video1	12/12 11:58	01:00	HDD
OK	Video1	12/12 12:50	03:01	HDD
FAIL	Video1	12/12 12:50	01:00	HDD
FAIL	Video1	12/12 12:53	01:00	HDD
FAIL	Video1	12/12 13:59	01:00	HDD

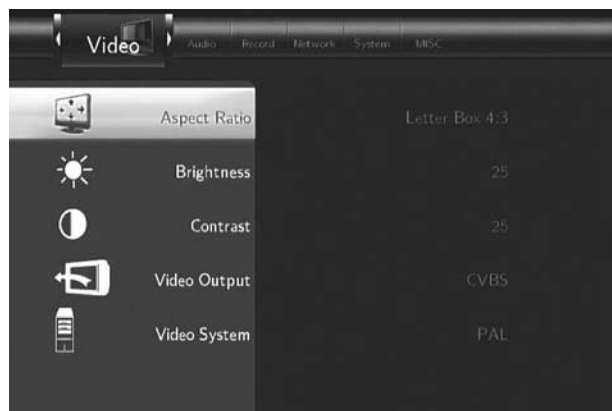
6. SETUP MENU













The Setup Menu allows you to configure audio, video, record, network and system settings.





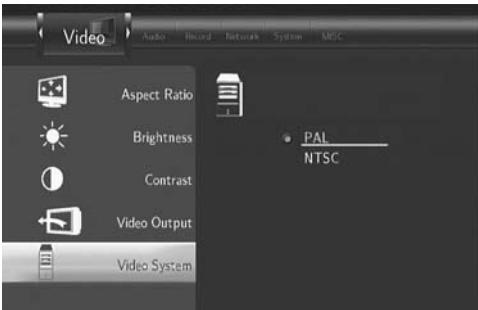



To enter the menu, select **Setup** from the **GUIDE** menu or select  on the remote control.

6.1 Changing Video Settings



Press  and  on the remote control to select the **Video** tab from the menu bar.

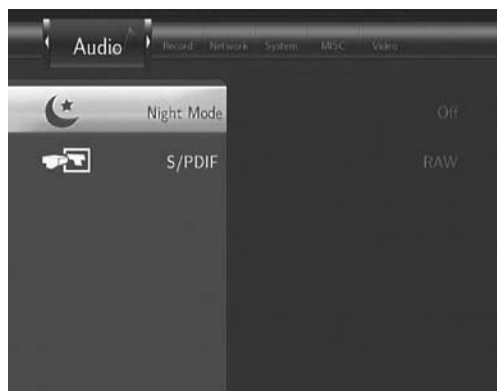


<p>Aspect Ratio</p>	<p>Select to set aspect ratio.</p> 	<p>Press  and  to select from Pan Scan 4:3, Letter Box 4:3, or 16:9.</p> <p>Press  to confirm.</p>
	<p>Pan Scan 4:3: Display a wide picture on the entire screen and cuts off the redundant portions. Select when a standard 4:3 TV is connected.</p> <p>Letter Box 4:3: Display a wide picture with two black borders on the top and bottom of 4:3 screen. Select when a standard 4:3 TV is connected.</p> <p>16:9: Compress the image to convert the whole image. Select when a 16:9 TV is connected.</p>	
<p>Brightness</p>	<p>Select to set brightness levels.</p> 	<p>Press  and  to adjust brightness.</p> <p>The new setting is previewed onscreen. Press  to confirm.</p>
<p>Contrast</p>	<p>Select to set contrast levels.</p> 	<p>Press  and  to adjust contrast.</p> <p>The new setting is previewed onscreen. Press  to confirm.</p>

Video Output	<p>Select to adjust video output type.</p> 	<p>Press  and  to set the video output type, depending on your viewing preferences. Press  to confirm.</p>
Video System	<p>Select to adjust TV system.</p> 	<p>Press  and  to set the TV system, depending on your viewing preferences. Press  to confirm.</p>



6.2 Changing Audio Settings

Press  and  on the remote control to select the **Audio** tab from the menu bar.















<p>Night Mode</p>	<p>Select to set night mode.</p> 	<p>Press  and  to select from Off, On, and Comfort. Press  to confirm.</p>
<p>S/PDIF</p>	<p>Select to set S/PDIF mode.</p> 	<p>Press  and  to select from Raw, and LPCM. Press  to confirm.</p>

6.3 Changing Record Settings



Press  and  on the remote control to select the **Record** tab from the menu bar.







<p>Quality</p>	<p>Select to set the default recording quality setting.</p> 	<p>Press  and  to select the quality setting you require.</p> <p>The highest quality setting is HQ which requires the most storage space. The other settings reduce recording quality sequentially but also require less storage space.</p> <p>Press  to confirm.</p>
<p>Auto Chapter</p>	<p>Select to add chapter marks automatically at set intervals.</p> 	<p>Press  and  to select the interval you require. An automatic chapter mark will be added at each interval, allowing you browse titles easily after recording.</p> <p>Press  to confirm.</p>
<p>Record Device</p>	<p>Select to set device to restore the recorded files.</p> 	<p>Press  and  to select from HDD and USB.</p> <p>Press  to confirm.</p>






<p>Timeshift Device</p>	<p>Select to set Time Shift device.</p> 	<p>Press  and  to select from HDD and USB.</p> <p>Press  to confirm.</p>
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6.4 Changing Network Settings

Press  and  on the remote control to select the **Network** tab from the menu bar.








<p>Wired Lan Setup</p>	<p>Select to set the Network Setting. Before use the Network functions, please check following items:</p> <ol style="list-style-type: none"> 1) Connect the Player to Network first; 2) Please enable NetBIOS of TCP/IP on computer; 3) Please turn off your PC's firewall; 4) Please enable your PC's "Guest" account; 5) Please share the folders which you wish to browse on your PC, and make sure that "Everyone" or "Guest" has the right to access. 	<p>Press  and  to select DHCP (AUTO) or FIXED IP (MANUAL).</p> <p>Press  to confirm.</p>
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	<p>DHCP IP(AUTO) Set the IP address by auto.</p> 	<p>Press  to confirm.</p>
	<p>FIX IP (MANUAL) Using Fixed IP, it is required to enter followings. IP address, Subnet Mask, Default Gateway. For further assistant to above settings, please contact to the network administrator.</p> 	<p>Use Navigation and Numeric buttons to enter IP address. Press  to confirm.</p>
<p>Wireless Setup</p>	<p>Before configuring the WLAN settings, please check the following:</p> <ol style="list-style-type: none"> 1) Make sure the WLAN USB Adapter is connected to the USB HOST port; 2) Make sure there is a wireless router or an AP (Access Point) on the network, or your PC is equipped with a wireless network adapter/card; 3) Make sure your player is in the effective range of the WLAN. 	<p>Select Modify if it is your first time to connect to a wireless network.</p>

There appear two connection modes: **Infrastructure (AP)** mode and **Peer to Peer (Ad Hoc)** mode.



Press  to cancel, and  for next step. Press  and  to select items, and  to confirm.

Infrastructure (AP)

Infrastructure mode is used to connect computers with wireless network adapters, also known as wireless clients, to an existing wired network with the help from wireless router or access point.



1) Get SSID Name

Select **Auto** to search for an existing SSID (Service Set Identifier).

Select the access point you wish to access from the SSID list.

Note: In the Security list, **WEP** (Wired Equivalent Privacy) and **WPA** (Wi-Fi Protected Access) means the network is encrypted, i.e. an encryption key is needed to access the network. **NONE** means it is an open system network.

**2) Confirm SSID Name****3) WLAN Security Setting**

Select **Open System** if the network is not encrypted. Otherwise, select **Shared Key (WEP)** or **WPA Key** to enter the encryption key.

**4) Wireless Address Setup**

Select **DHCP IP (AUTO)** to set the IP address automatically. Or select **FIX IP (MANUAL)** to set the IP address manually.

**5) Setting List**

The Setting List displays the network settings just now you configured.

**6) Test Connection**

The test will take for a while, please be patient to wait.



If the test is ok, the network information will be displayed.

Peer to Peer (Ad Hoc)

Peer to Peer mode, which is also called Ad Hoc mode or computer-to-computer mode, is used to connect wireless clients directly together, without the need for a wireless router or access point.

**1) Ad Hoc Setup**

Select Manual if you wish to change the default settings.



Then set the **Wireless SSID, Wireless Security, and Host IP** for the Ad Hoc connection.

Note: Both the player and your PC need to use the Ad Hoc mode, share a common SSID, and be put into the same IP range.





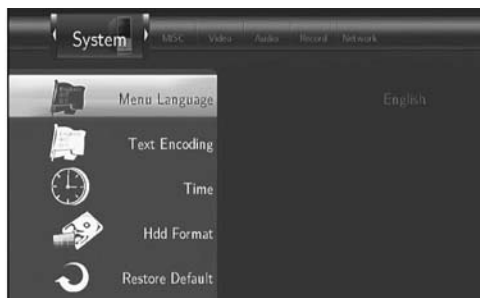
2) Save and Startup
Select **OK** to confirm the above settings.

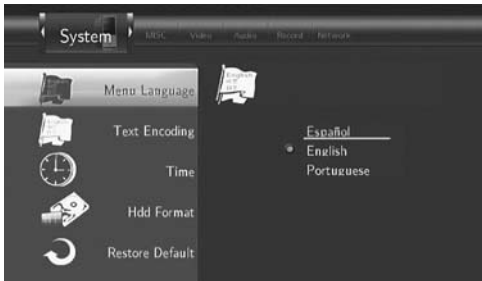























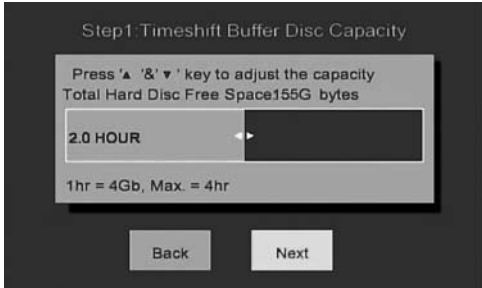





If the test is ok, the network information will be displayed.

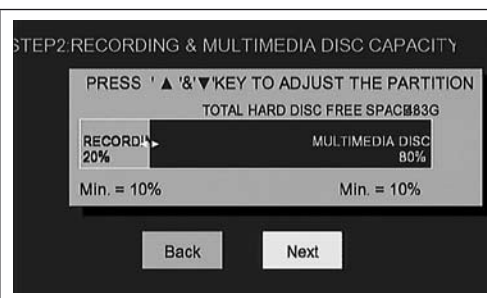





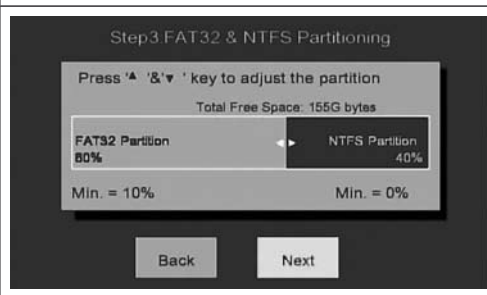





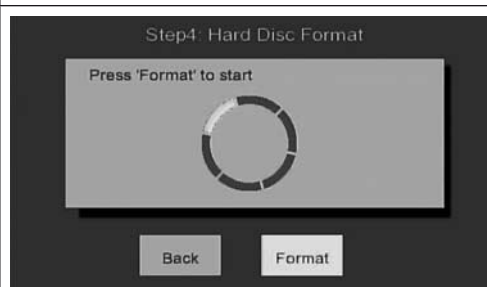
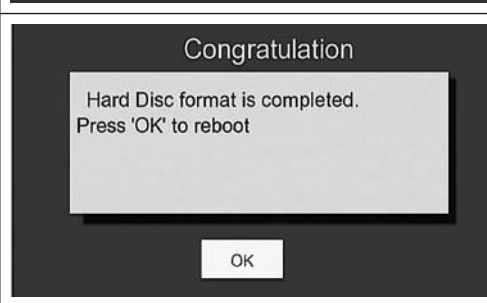




6.5 Changing System Settings


Press  and  on the remote control to select the **System** tab from the menu.





<p>Menu Language</p>	<p>Select to choose the OSD (On Screen Display) language.</p> 	<p>Press  and  to select the language. Press  to confirm.</p>
<p>Text Encoding</p>	<p>Select to set text encoding.</p> 	<p>Press  and  to select from Unicode, Chinese GBK, BIG5 and etc. Press  to confirm.</p>
<p>Time</p>	<p>Select to set the system time.</p> 	<p>Press  and enter Manual setup.</p>

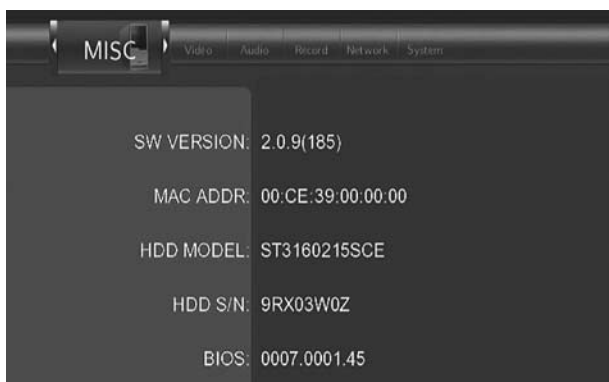
		<p>Enter the system menu and press  and  to select each field and the up and down navigation arrows to adjust each setting.</p> <p>Press .</p>
HDD Format	<p>Select to format the HDD.</p> 	<p>Press  and  to select HDD Format.</p> <p>Press  to confirm.</p>
		<p>Press  and  to select OK.</p> <p>Press  to confirm.</p>
		<p>Press  and  to adjust the capacity of time shift buffer. Press  and  to select NEXT, and  to confirm.</p>

		<p>Press  and  to adjust the capacities of recording and multimedia partitions. Press  and  to select NEXT, and  to confirm.</p>
		<p>Press  and  to adjust the capacities of FAT32 and NTFS partitions. Press  and  to select NEXT, and  to confirm.</p>
	 	<p>Press  and  to select Format. Press  to confirm. And the formatting will start, which will take for several minute, please be patient to wait.</p> <p>When formatting is completed, press  to return to the GUIDE menu.</p>
<p>Connect the player to PC via a USB cable, and copy the "sys" folder from the firmware folder to the first multimedia partition (HDD1, FAT32). In this way, you can gain enhanced font support and the NAS function.</p>		

Restore Default	<p>Select to restore factory defaults.</p> 	<p>A confirmation message appears. Select OK and press Enter to restore all settings to defaults.</p> <p>Caution: All settings made by user will disappear.</p>
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6.6 Miscellaneous

Press  and  on the remote control to select the **MISC** tab from the menu.

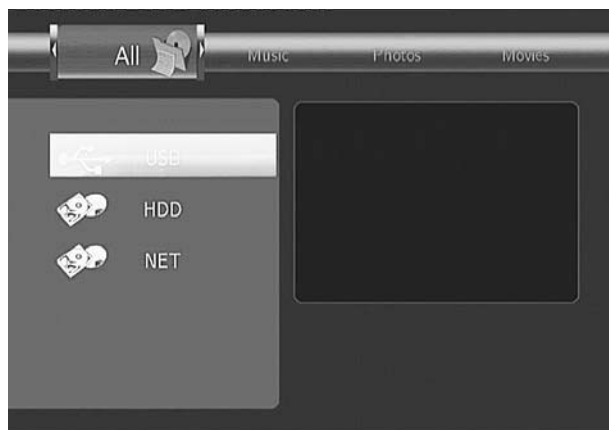


7. BROWSER MENU



The Browser menu allows you to browse and play music, photo and movie files stored on a HDD, an external USB device and Network. To enter the menu, select **Browser** from the **Guide** menu.




Press  and  to select the device on which the media is stored. Choose from HDD, USB and NET, and press .

When data on HDD or USB device is connected or connect the system to Network, you can also browse photos, listen to music, and watch movies.





7.1 Browsing All




Use  and  on the remote control to select the **All** tab.

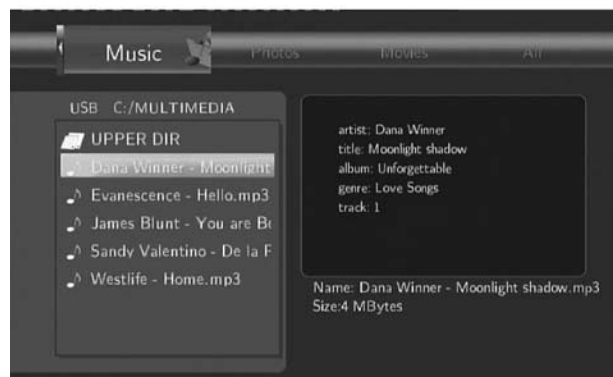
All directories and supported contents will be displayed. Press  and  to select the directory or file you wish to browse, and press  to confirm.




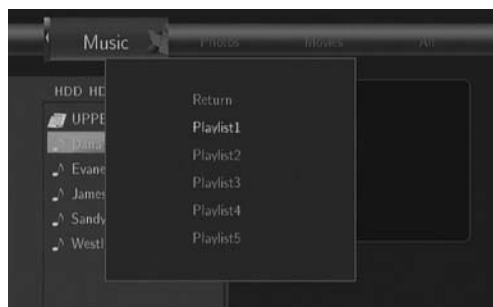
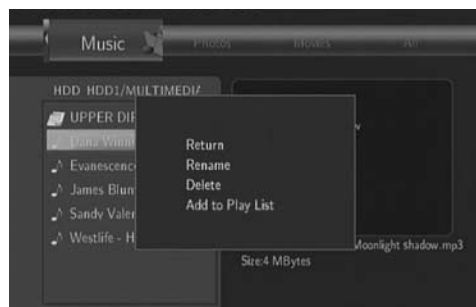
7.2 Browsing Music

Use  and  on the remote control to select the **Music** tab.



All directories and supported audio files in current directory will be displayed. Press  and  to select the file you want to play and press .






Press  and a tools menu appears which enables you to add the current music to the playlists.



7.3 Browsing Photos




Use  and  on the remote control to select the **Photos** tab.





All directories and supported image files in current directory will be displayed. Press  and  to select the photo you want to view and press . The photo will be displayed full screen.

Note:




1. When the photo is displayed in full screen mode, the slide show starts automatically.
2. While listening to music files, you can browse the photos at the same time.

While browsing a photo, you can press  and  to rotate a photo in any angle. Besides rotating a photo, you can press  to zoom in/out that photo. Three zoom levels are available.


7.4 Browsing Movies

Use  and  on the remote control to select the **Movies** tab.

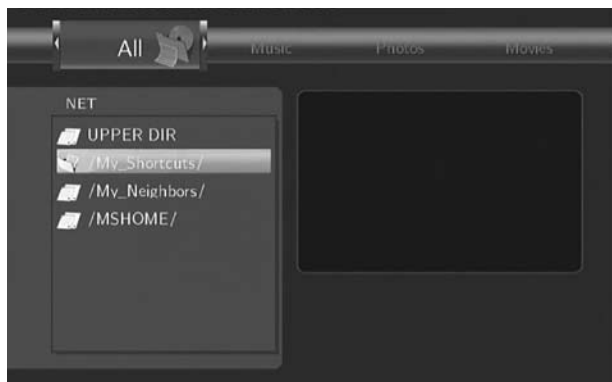


All directories and supported video files in current directory will be displayed. Press  and  to select the movie you want to view and press . The movie will be played in full screen mode.

This browsing movies function supports DAT, VOB, IFO, MPG, AVI, and TS file formats.

While browsing a movie in full screen mode, you can press  to zoom in/out the image. Four zoom levels are available.


7.5 Browsing via Network



You can stream playback the multimedia files shared on the local area network (Ethernet or WLAN). Before viewing the following, please make sure that you have read **6.4 Changing Network Settings** and made the right settings.

When selecting NET in the Browser menu, there are two ways to locate the multimedia files shared on your local network. One way is to browse through workgroup; the other way is to browse through "My_Shortcuts".

7.5.1 Browsing through Workgroup

You can choose the workgroup which your PC belongs to from the workgroup list, find your PC name, and press  to confirm.



Then select the shared multimedia file that you want to browse.




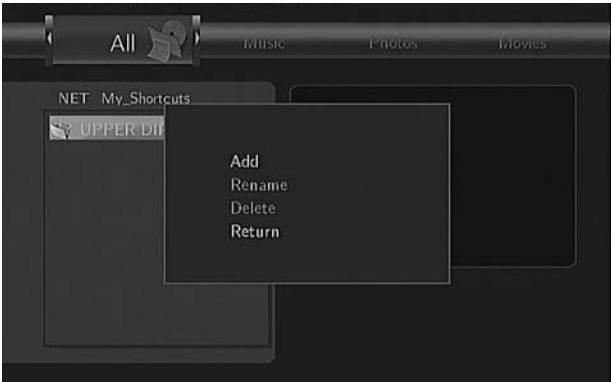
Note:




1. While browsing high definition video files (resolution up to 720p / 1080i) via Ethernet or WLAN, the video might be buffering. It is normal due to the limit of network speed or signal strength.
2. Due to different network conditions, sometimes the workgroup might not be accessed or shown in the list. And then you need to use "My_Shortcuts" to browse shared files.

7.5.2 Browsing through "My_Shortcuts"

You can also set "Specific File Server IP" and access it from "My_Shortcuts" in the menu.

Press  and a tools menu appears.



<p>Network Browser</p>		<p>Select to set Net User ID, Net Password, and Specific File Server IP, which enables to browse files on NET through "My_Shortcuts".</p>
		<p>Select Net User ID and the entry screen will appear. Use the navigation arrows to select letters and numbers. Select CAPS to toggle between uppercase and lowercase letters. Press <- to delete a letter. Press -> to insert a space.</p> <p>Press  to input each letter or number.</p>


Network Browser




Select Net Password and the entry screen will appear. See above.



Select Specific File Server IP, and use **Navigational** and **Numeric** buttons to enter IP address.

Press  to confirm.

Select your IP address and press  to confirm.



Then select the shared multimedia file that you want to browse.

8. PLAYLIST MENU

The Playlist menu allows you to browse and play your favorite music in the playlists. To enter the menu, select **Playlist** from the **GUIDE** menu. There are up to 5 playlists.

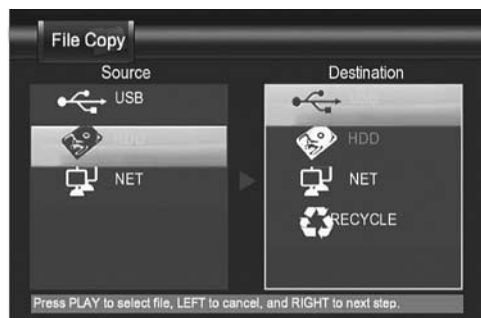


9. FILE COPY MENU



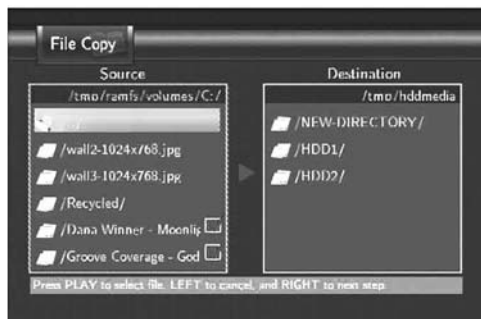
Press **F1** on the remote control to enter the **File Copy** menu, which allows you to copy files between HDD, USB devices and Network.




Step 1: Select the source device and destination device.



Press **UP** and **DOWN** to select device. Press **LEFT** to cancel, and **RIGHT** to next step.





Step 2: Select the source files you want to copy.



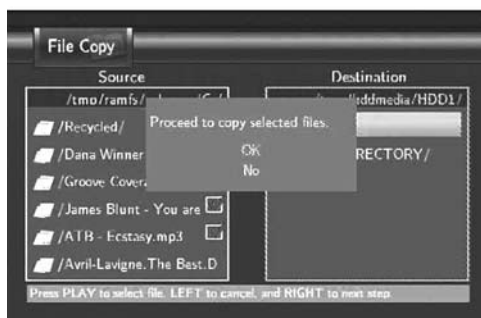
Press  to select files,
 to cancel, and  to next step.




Step 3: Select the destination folder to store the above files.

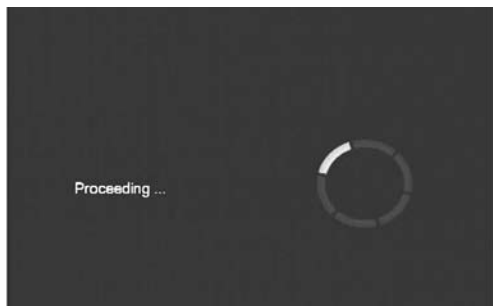


Press  and  to
 select folder. Press  to cancel,
 and  to next step.

Step 4: Proceed to copy selected files.



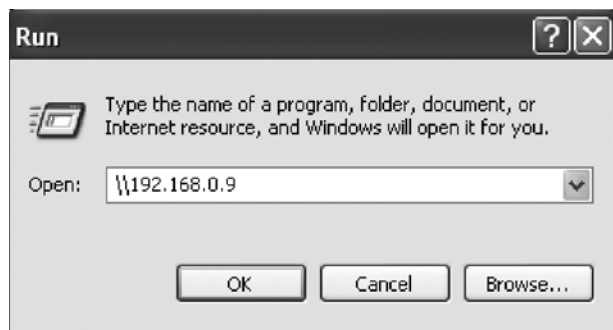
Press  and  to
 select **OK**, press  to
 confirm. And the copy will start.



10. NAS FUNCTION

This player can be used as a NAS (Network-Attached Storage) device. It can be attached to the home network via either Ethernet or WLAN. This feature allows homes to store and retrieve large amounts of data more affordably than ever before.

When the network connection is done correctly and ready for use, type: \\NAS or \\IP Address in the Run window (click Run in the start menu) or the address bar of Internet Explorer on your PC (For example, if the IP address of the player is 192.168.0.9, please type: \\192.168.0.9 or \\NAS), and click OK or press the Enter button on the keyboard.



Then you can view, and edit the files stored on the hard disk installed on the player. In this way, you can also playback and copy files via network between your PC and the player.

Note:

1. Partitions of NTFS file system format on the hard disc drive might be read-only.
2. Please make sure the "sys" directory which contains the SAMBA server is in HDD1, otherwise the NAS function won't work.

11. UPGRADING THE FIRMWARE

The firmware is the operating system (OS) installed on the device. Firmware upgrades can bring new features, improvements and bug fixes.

To check whether you have the latest version of firmware:

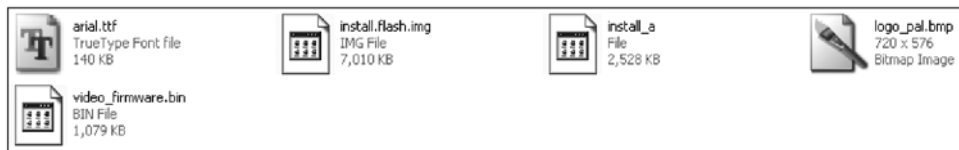
1. Select MISC in the Setup menu;
2. The firmware version number is displayed behind SW Version;
3. Compare it with the latest firmware version released.



Download the latest firmware from www.raidsonic.de if a new one is available.

Step 1: Prepare the USB Pen Drive

You will need a USB Pen Drive for firmware upgrade. Copy the 5 files for upgrade to the root directory of your USB Pen Drive.



Step 2: Connect the USB Pen Drive

Plug the USB Pen Drive into one of the USB HOST ports of the player.

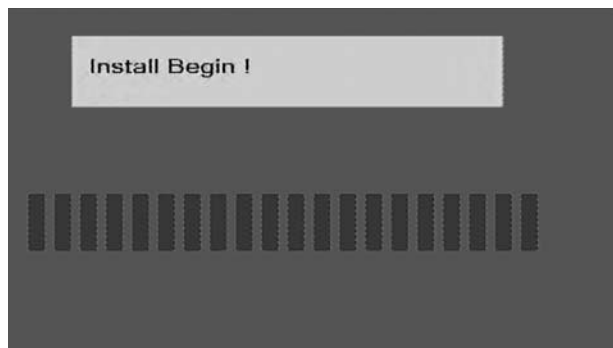
Step 3: Hold the POWER button

Press and hold the POWER button on the front panel, and do not loosen.

Step 4: Connect the power cable

Plug the power cable into the DC IN jack, wait for about 3 seconds or more, and then loosen your finger on the POWER button;

Firmware installation will start in about 30 seconds. The LED indicators on the front panel will be enlightened and flashing during installation. If it is connected to a TV set, a yellow install page will appear on the TV screen.



Please wait for about 2 minutes, the installation will be completed, the LED indicators will go off, and the player will be powered off automatically. Then you can press the POWER button to turn on the player and enjoy.

Note:

No power off during installation;

The USB Pen Drive is not allowed to be plugged off during installation.

12. APPENDIXES

12.1 Specifications

USB SUPPORTED:

- USB HDD
- Other USB Mass Storage Devices
- USB 2.0 Interface

CONTENT FORMATS SUPPORTED:

- DAT/VOB/IFO/MPG/AVI/MPEG-2 TS
- MP3/OGG/WMA
- Compression rate: between 32 kbps and 320 kbps
- JPEG/BMP

VIDEO CODECS SUPPORTED:

- MPEG-1/MPEG-2
- MPEG-4 ASP: XviD

AUDIO CODECS SUPPORTED:

- MP2/MP3 /OGG Vorbis/WMA Standard (DRM, Pro & Advanced Profile not supported)/PCM

SUBTITLE FORMATS SUPPORTED:

- SRT, SMI, SSA, IDX/SUB, SUB

RECORDABLE DEVICES SUPPORTED:

- Built in HDD
- USB HDD

VIDEO RECORDING MODE

Mode	80 GB HDD	120 GB HDD	160 GB HDD
HQ	16hrs	24hrs	33hrs
SP	32hrs	48hrs	66hrs
LP	48hrs	72hrs	99hrs
EP	64hrs	96hrs	132hrs
SLP	96hrs	144hrs	198hrs

VIDEO RECORDING FORMAT

- HQ/SP/LP/EP/SLP mode: MPEG-2 MP@ML

AUDIO RECORDING FORMAT

- HQ/SP/LP/EP/SLP mode: MP2 2-channel

VIDEO OUTPUT SPECIFICATION

Composite Output	1 Vpp 75 Ohm
Components Output	Y:1 Vpp 75 Ohm Cb:0.7 Vpp 75 Ohm Cr:0.7 Vpp 75 Ohm
HDMI Output	HDMI (Version 1.1)

NETWORK FEATURE

Ethernet	10/100Mbps Auto-Negotiation
WLAN	IEEE 802.11b/g, up to 54Mbps (supported by the optional Icy Box WLAN USB Adapter)

AUDIO PERFORMANCE

DA Converter	24-bit/192kHz
AD Converter	24-bit/96kHz
Signal-Noise (1kHz)	≥ 95dB
Dynamic Range (1kHz)	≥90dB
Channel Separation	≥95dB
Total Harmonic Distortion (1kHz)	≤-85dB

GENERAL

Power Supply	AC 100~240V	50~60Hz
Power Consumption	Approx. 35 W	
Operating Temperature	+5°C to +35°C (+36°F to +95°F)	
Operating Humidity	5% to 80% RH	
Hard Disk Dimensions (W/H/D)		
Net Weight	Approx 1.5 kg	

Note: The specifications and design of this product are subject to change without notice.

12.2 Frequently Asked Questions

Question 1. My computer does not recognize my player.

Answer:

- (1) Make sure the player is on. If it is off, the computer will not be able to find the player;
- (2) Make sure the player is connected to computer. (Refer to 1.4.1 for connecting player to computer);
- (3) When using Windows 98SE, install the USB driver first. After installation, restart the computer. Then reconnect the player to the computer. (Refer to 1.4.1 for connecting player to computer);
- (4) If you installed the Windows 98SE driver over your Windows® XP, 2000, or ME edition, problems might occur;
- (5) It is not recommend using the USB ports in the front of your computer, trying to use the USB ports in the rear, because the USB ports in the front are often from non-powered hubs.

Question 2. When I try to disconnect the USB device, I keep on getting "The device "Generic volume" cannot be stopped right now. Try stopping the device again later." message, what should I do?

Answer:

Close any program that might be accessing data on the player, including Windows® Explorer. If it does not work, close all programs and wait for another 20 seconds, then try the green arrow icon again. If it still does not work, you should shut down the player and disconnect the USB cable.

Question 3. I find new file names and folder names that I never created before or they have strange gibberish names.

Answer:

Most likely, the player's file allocation table (FAT) has been corrupted. This might be due to the player shutting down (due to low battery power) while reading or writing to your computer by the USB connection. Windows and Macintosh often write extra files to the hard disk such as finder.def or System volume info. These are normal and will not do any harm to the player.

Question 4. I used my player to transfer files back and forth between different computers. Will defragmenting the player hard disk do any harm to it?

Answer:

Defragmenting the player hard disk may be useful after having transferred many files to and from the player. It is never harmful to use the defragment on the player. Make sure no other programs are running while using the Windows® defragment utility. Make sure you have connected the player with the external power adapter during this procedure.

Question 5. My files have disappeared from the player.

Answer:

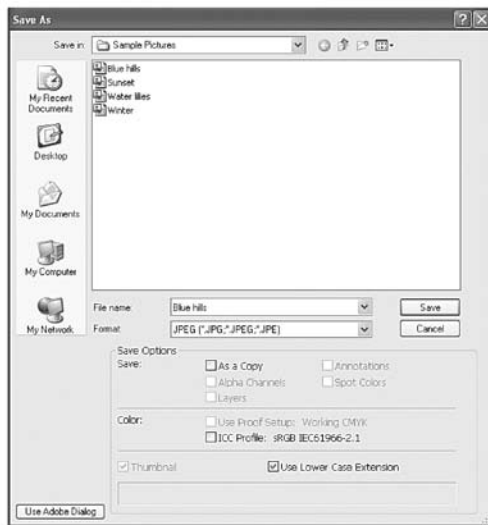
Make sure that you browse your files via the correct Browser mode which means correct filtered views such as Photos, Music, or Movies.

Question 6. Why some supported format photo cannot be shown in the photo function?

Answer:

In the JPEG format there are some different modes. The player doesn't support all the modes. So you have to change your photo format first as follow:

- (1) Use Photoshop to open the photo;
- (2) Choose "File" then "save as" from the menu, as the picture on the left hand side shows, select the picture format as JPEG, input the file name and click the "save" icon;
- (3) After click on the "save" icon, a new window will appear as the picture on the right hand side shows, select "Baseline (standard)" or "Baseline optimized";



(4) Click the "OK" icon.



Question 7. During power on, why will the TV have a short flash, blue screen or screensaver?

Answer:

This is normal, when the system initialize, it will setup the corresponding parameters so it can output the correct video signal to the TV, during the initializing time, the TV will receive incorrect signals or the signals will not be stable and will cause the TV screen to flash, some TV will treat it as no signal, and will display a blue screen or screensaver.

Question 8. Why when switch to Y/Pb/Pr 480P, 576P, 720P, 1080I, the TV screen will be a mess?

Answer:

Please check if your TV supports Y/Pb/Pr 480P, 576P, 720P, 1080I output, if your TV does not support, please use the A/V signal display instead, press the TV SYSTEM button on the remote control, then switch the TV's video input to NTSC or PAL.

Question 9. Why is there no sound in movie, music playback when using Y/Pb/Pr output?

Answer:

Y/Pb/Pr output is a video output only, and does not include sound signals, when using Y/Pb/Pr output, please plug the A/V OUT or the S/PDIF jack to output sounds.

Question10. Why couldn't the player find the hard disc?

Answer:

Make sure the firmware is installed correctly, and no system partitions on the HDD were deleted. If hard disc failure occurs, please backup your data and reinstall the firmware using the PC Installer software which is provided along with the player.

Question11. Some functions like recording, time shift etc. do not work. What should I do?

Answer:

If you find some functions do not work properly on the player, please change system settings to the default (Refer to 6.5 for changing system settings).

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12.4 Warranty

What your warranty does not cover:

- Acts of nature, such as fire, static discharge.
- Damage from unauthorized repair, alteration or accident.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Loss of customer's software, firmware, information, or memory data.
- Improper handling or installation.

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